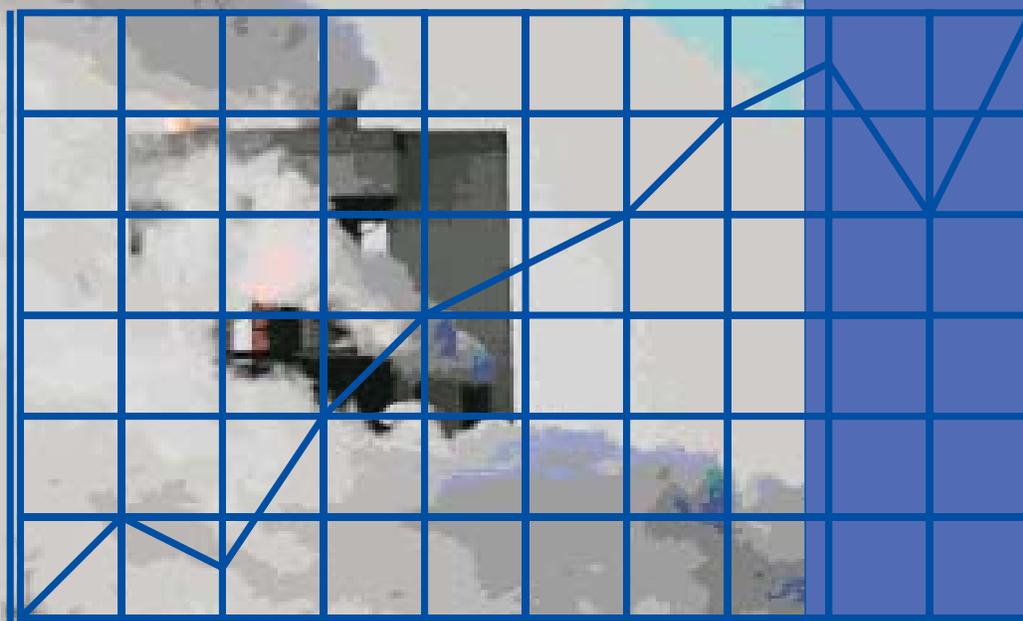


Statistics for Industry Groups and Industries: 2005

Issued November 2006

M05(AS)-1

Annual Survey of Manufactures



U S C E N S U S B U R E A U

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ACKNOWLEDGMENTS

This report was prepared in the Manufacturing and Construction Division under the direction of **Mendel D. Gayle**, Assistant Division Chief for Census and Related Programs who was responsible for the overall planning, management, and coordination. **Arminta N. Quash**, Chief, Census and Related Programs Support Branch, assisted by **Ernest Wilson, Jr.**, Section Chief, **Robert Reinard**, Chief, Consumer Goods Industries Branch, assisted by **Suzanne Conard**, **Susan DiCola**, and **James Hinckley**, Section Chiefs, **Raphael Corrado**, Chief, Investment Goods Industries Branch, assisted by **Chris Blackburn**, **Theresa Riddle**, and **Wanda Sledd**, Section Chiefs, **Nathaniel Shelton**, Chief, Primary Goods Industries Branch, assisted by **Walter Hunter**, **Joanna Nguyen**, and **Athanasios Theodoropoulos**, Section Chiefs, and **Tom Flood**, **Keith Fuller**, **Robert Miller**, and **Robert Rosati**, Special Assistants, performed the planning and implementation. **Karen Baum**, **Melissa Berry**, **Larry Blumberg**, **Kevin Brennan**, **Phillip Brown**, **Brenda Campbell**, **Catherine Cooper**, **Paul Corey**, **Mary Kim Corley**, **Vance Davis**, **Jesse Dawson**, **James Day**, **Merima Dulic**, **Michael Flaherty**, **Kellie Friedrich**, **Amanda Ganster**, **Joseph Guido**, **Vera Harris-Bourne**, **Steven Hood**, **Rachel Horwitz**, **Tom Ickes**, **Christina Kane**, **Daphne Kelly**, **Kristen Lauziere**, **Mai Ngan Le**, **Jennifer Lee**, **John Linehan**, **Christian Malagon**, **Keith McKenzie**, **Blynda Metcalf**, **Philippe Morris**, **Madelyn Nieves**, **Betty Pannell**, **Bridgett Parker-Bell**, **Gloria Peebles-Butler**, **Michael Perkinson**, **Lindsay Peters**, **Shelby Peterson**, **Deanna Pickerall**, **Michael Reich**, **Joseph Shinn**, **LaTanya Steele**, **Susan Sundermann**, **Betty Sutter**, **Dora Thomas**, **Rosanne Tingley**, **Ronanne Vinson**, **Keeley Voor**, **Denneth Wallace**, **Hilda Ward**, **Edward Watkins III**, **Ric Williamson**, and **Kevin Younes**, provided primary staff assistance.

Arminta N. Quash, Chief, Census and Related Programs Support Branch, assisted by **Arlinda Allen** and **Barbara Wongus**, Section Chiefs, performed overall coordination of the publication process. **Patrick Duck**, **Taylor C. Murph**, **Kristen Ricks**, and **Veronica White** provided primary staff assistance.

Mathematical and statistical techniques as well as the coverage operations were provided by **Paul Hsen**, Assistant Division Chief for Research and Methodology Programs, assisted by **Stacey Cole**, Chief, Manufacturing Methodology Branch. **Robert Struble**, Section Chief, and **Jeffrey Dalzell** and **Cathy Gregor** provided primary staff assistance.

Eddie J. Salyers, Assistant Division Chief of Economic Planning and Coordination Division, was responsible for overseeing the editing and tabulation procedures and the interactive analytical software. **Kim Wortman**, Special Assistant, **Dennis Shoemaker**, Chief, Edit and Micro Processing Branch, and **Brandy L. Yarbrough**, Chief, Register Operations Branch, were responsible for developing the systems and procedures for data collection, editing, review, and correction. **Deborah Stempowski**, Assistant Division Chief for Customer Relationship and Products, was responsible for overseeing the systems and information for dissemination. **Douglas J. Miller**, Chief, Summary Statistics Processing Branch, assisted by **Lisa Aispuro**, **Andrew W. Hait**, **Shawna Orzechowski**, **John Walsh**, and **Jeremy Wiedemann**, was responsible for developing the data dissemination systems and procedures.

The Geography Division staff, **Robert LaMacchia**, Chief, developed geographic coding procedures and associated computer programs.

The Economic Statistical Methods and Programming Division developed and coordinated the computer processing systems. **Barry F. Sessamen**, Assistant Division Chief for Economic Census Data Analysis and Dissemination, was responsible for design and implementation of the processing system and computer programs. **Gary T. Sheridan**, Chief, Macro Analytical Branch, assisted by **Apparao V. Katikineni** and **Keith Paterno**, provided computer programming and implementation.

The Systems Support Division provided the table composition system. **Robert Joseph Brown**, Table Image Processing System (TIPS) Senior Software Engineer, was responsible for the design and development of the TIPS, under the supervision of **Robert J. Bateman**, Assistant Division Chief, Information Systems.

The staff of the National Processing Center performed mailout preparation and receipt operations, clerical and analytical review activities, and data entry.

Bernadette J. Beasley and **Jamie Peters** of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, provided publication and printing management, graphics design and composition, and editorial review for print and electronic media. General direction and production management were provided by **James R. Clark**, Assistant Division Chief for Product Development and Publications Services, and **Wanda K. Cevis**, Chief, Publications Services Branch.

Special acknowledgment is also due the many businesses whose cooperation contributed to the publication of these data.

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U.S. Department of Commerce
Carlos M. Gutierrez,
Secretary

David A. Sampson,
Deputy Secretary

Economics and Statistics Administration
Cynthia A. Glassman,
Under Secretary for Economic Affairs

U.S. CENSUS BUREAU
Charles Louis Kincannon,
Director



**Economics
and Statistics
Administration**

Cynthia A. Glassman,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Charles Louis Kincannon,
Director

Hermann Habermann,
Deputy Director and
Chief Operating Officer

Thomas L. Mesenbourg,
Associate Director
for Economic Programs

C. Harvey Monk, Jr.,
Assistant Director
for Economic Programs

Thomas E. Zabelsky,
Chief, Manufacturing
and Construction Division

CONTENTS

Introduction	v
Tables	
1. Statistics for All Manufacturing Establishments: 2005 and Earlier Years.....	1
2. Statistics for Industry Groups and Industries: 2005 and Earlier Years	2
3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years	39
4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years ...	72
5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years	110
6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year ..	144
7. Value of Shipments by Industry: 2005 and 2004	183
8. Cost of Materials: 2005	196
Appendixes	
A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Comparability of NAICS Codes and NAICS-based Codes	F-1

-- Not applicable for this report.

Introduction

SCOPE

The Annual Survey of Manufactures (ASM) provides sample estimates of statistics for all manufacturing establishments with one or more paid employees. The Manufacturing sector (sector 31-33) comprises establishments engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products. The assembling of component parts of manufactured products is considered manufacturing, except in cases where the activity is appropriately classified in Sector 23, Construction. This report presents manufacturing establishment statistics from the 2005 ASM.

Establishments in the manufacturing sector are often described as plants, factories, or mills and characteristically use power-driven machines and materials-handling equipment. However, establishments that transform materials or substances into new products by hand or in the worker's home and those engaged in selling to the general public products made on the same premises from which they are sold, such as bakeries, candy stores, and custom tailors, may also be included in this sector. Manufacturing establishments may process materials or may contract with other establishments to process their materials for them. Both types of establishments are included in manufacturing.

The materials, substances, or components transformed by manufacturing establishments are raw materials that are products of agriculture, forestry, fishing, mining, or quarrying, as well as products of other manufacturing establishments. The materials used may be purchased directly from producers, obtained through customary trade channels, or secured without recourse to the market by transferring the product from one establishment to another, under the same ownership. The new product of a manufacturing establishment may be finished in the sense that it is ready for utilization or consumption, or it may be semifinished to become an input for an establishment engaged in further manufacturing. For example, the product of the alumina refinery is the input used in the primary production of aluminum; primary aluminum is the input to an aluminum wire drawing plant; and aluminum wire is the input for a fabricated wire product manufacturing establishment.

The subsectors in the manufacturing sector generally reflect distinct production processes related to material inputs, production equipment, and employee skills. In the machinery area, where assembling is a key activity, parts and accessories for manufactured products are classified in the industry of the finished manufactured item when they are made for separate sale. For example, a replacement refrigerator door would be classified with refrigerators and an attachment for a piece of metal working machinery would be classified with metal working machinery. However, components, input from other manufacturing establishments, are classified based on the production function of the component manufacturer. For example, electronic components are classified in Subsector 334, Computer and Electronic Product Manufacturing; and stampings are classified in Subsector 332, Fabricated Metal Product Manufacturing.

Manufacturing establishments often perform one or more activities that are classified outside the manufacturing sector of the North American Industry Classification System (NAICS). For instance, almost all manufacturing has some captive research and development or administrative operations, such as accounting, payroll, or management. These captive services are treated the same as captive manufacturing activities. When the services are provided by separate establishments, they are classified to the NAICS sector where such services are primary, not in manufacturing.

The boundaries of manufacturing and the other sectors of the classification system can be somewhat blurry. The establishments in the manufacturing sector are engaged in the transformation of materials into new products. Their output is a new product. However, the definition of what constitutes a new product can be somewhat subjective. As clarification, the following activities are

considered manufacturing in NAICS: milk bottling and pasteurizing; water bottling and processing; fresh fish packaging (oyster shucking, fish filleting); apparel jobbing (assigning of materials to contract factories or shops for fabrication or other contract operations); as well as contracting on materials owned by others; printing and related activities; ready-mixed concrete production; leather converting; grinding of lenses to prescription; wood preserving; electroplating, plating, metal heat treating, and polishing for the trade; lapidary work for the trade; fabricating signs and advertising displays; rebuilding or remanufacturing machinery (i.e., automotive parts); ship repair and renovation; machine shops; and tire retreading.

Exclusions. There are activities that are sometimes considered manufacturing, but for the North American Industry Classification System (NAICS) are classified in another sector. These activities include logging, classified in Sector 11, Agriculture, Forestry, Fishing and Hunting is considered a harvesting operation; the beneficiating of ores and other minerals, classified in Sector 21, Mining, is considered part of the activity of mining; the construction of structures and fabricating operations performed at the site of construction by contractors, is classified in Sector 23, Construction; establishments engaged in breaking of bulk and redistribution in smaller lots, including packaging, repackaging, or bottling products, such as liquors or chemicals; the customized assembly of computers; sorting of scrap; mixing paints to customer order; and cutting metals to customer order, classified in Sector 42, Wholesale Trade or Sector 44-45, Retail Trade, produce a modified version of the same product, not a new product; and publishing and the combined activity of publishing and printing, classified in Sector 51, Information, perform the transformation of information into a product where as the value of the product to the consumer lies in the information content, not in the format in which it is distributed (i.e., the book or software diskette).

The tabulations for this sector do not include central administrative offices, warehouses, or other establishments that serve manufacturing establishments within the same organization. Data for such establishments are classified according to the nature of the service they provide. For example, separate headquarters establishments are reported in NAICS Sector 55, Management of Companies and Enterprises.

The reports described below exclude establishments of firms with no paid employees. These “nonemployers” typically self-employed individuals or partnerships operating businesses that they have not chosen to incorporate, are reported separately in *Nonemployer Statistics*. The contribution of nonemployers, relatively small for this sector, may be examined at www.census.gov/nonemployerimpact.

Definitions. Terms are defined in Appendix A, Explanation of Terms.

REPORTS

The Annual Survey of Manufactures (ASM) consists of manufacturing establishment statistics from the 2005 ASM. Three reports are issued from this survey. Each of the following ASM reports provide sample estimates of statistics on all manufacturing establishments with one or more paid employees.

AS-1 — Statistics for Industry Groups and Industries. This report presents manufacturing establishments statistics for industry groups and industries from the Annual Survey of Manufactures (ASM). This ASM report presents 2005 through 2002 data at the three-through six-digit North American Industry Classification System (NAICS)-based levels. The 2004 data are from the 2004 ASM and include revisions made to the data since its initial release. This report also includes a historic table with data for the all-manufacturing level back to 1977. This report includes such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, detailed capital expenditures, supplemental labor costs, fuels and electric energy used, inventories by stage of fabrication, value of shipments, detailed miscellaneous receipts, and interplant transfers.

AS-2 — Value of Product Shipments. This report presents value of product shipments from the Annual Survey of Manufactures (ASM). This ASM report presents 2005 through 2002 shipments data for the 473 six-digit North American Industry Classification System (NAICS)-based product groups, 1,450 seven-digit NAICS product classes, and products primary to more than one industry.

AS-3 — Geographic Area Statistics. This report presents similar statistics at the “all manufacturing” level for the United States, each state, and the District of Columbia. This Annual Survey of Manufactures (ASM) report presents 2005 and 2004 data at the three-digit North American Industry Classification System (NAICS) level for employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, and total capital expenditures. Data for detailed capital expenditures, supplemental labor costs, fuels and electric energy used, and inventories by stage of fabrication are presented at the US and state levels.

Other reports. Data for this sector are also included in the 2002 Economic Census — Manufacturing and reports with multisector coverage, including *Nonemployer Statistics*, *Comparative Statistics*, *Bridge Between 2002 NAICS and 1997 NAICS*, *Business Expenses*, and the Survey of Business Owners reports.

GEOGRAPHIC AREAS COVERED

1. The United States as a whole.
2. States and the District of Columbia.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 2005 data are expressed in 2005 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

COMPARABILITY OF THE 2005 AND PRIOR YEARS ANNUAL SURVEY OF MANUFACTURES

The 2005 Annual Survey of Manufactures (ASM) and prior years ASM, present data based on the North American Industry Classification System (NAICS). While there were revisions to selected industries for the 2002 Economic Census, this sector was not affected by those revisions.

However for the historical data, the adoption of NAICS in the 1997 Economic Census — Manufacturing has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Another change resulting from the conversion to NAICS is that data for auxiliaries and central administrative offices (CAOs) associated with manufacturers are not presented with the manufacturing data.

It should also be noted that while the U.S. Census Bureau published “new capital expenditures” in the past, starting with the 1997 Economic Census — Manufacturing, it began publishing “total capital expenditures.” The historic data presented in this report have been adjusted to be consistent with the new policy.

For 2003 and 2004, several additional data tables were added that did not exist in prior years ASM. The additional table added in 2003 includes value of shipments for industry groups and industries. The additional table added in 2004 includes products primary to more than one industry. Also beginning in 2003, a new industry grouping (NAICS five-digit) is published for certain industries.

RELIABILITY OF DATA

All data compiled for this sector are subject to sampling errors as well as nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the actual universe; definition and classification difficulties; differences in the interpretation of questions; errors in recording or coding the data obtained; and other errors of collection, response, coverage, processing, and estimation for missing or misreported data.

No direct measurement of these effects has been obtained except for estimation for missing or misreported data, as by the percentages shown in the tables. Precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors. More information on the reliability of the data is included in Appendix C, Methodology.

DISCLOSURE

In accordance with federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments in a specific industry or geographic area is not considered a disclosure; therefore, this information may be released even though other information is withheld. Techniques employed to limit disclosure are discussed at www.census.gov/epcd/ec02/disclosure.htm.

The disclosure analysis for “industry statistics” files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. Nonetheless, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures, which can be suppressed even though value of shipments data are published.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The U.S. Census Bureau conducts the Annual Survey of Manufactures (ASM) in each of the 4 years between the Economic Censuses, which is collected for years ending in 2 and 7. The ASM is a probability-based sample of approximately 55,000 establishments and collects many of the same industry statistics (including employment, payroll, value of shipments, etc.) as the Economic Census — Manufacturing. However, there are selected statistics not included in the ASM. Among these are the number of companies and establishments, detailed product and materials data, and sub-state geographic data. In addition to the Economic Census — Manufacturing, the Census Bureau conducts the Current Industrial Reports (CIR) program. The CIR program publishes selected detailed product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. The Census Bureau also conducts the monthly Manufacturers’ Shipments, Inventories, and Orders (M3) Program, which publishes detailed statistics for manufacturing industries at the U.S. level.

In addition, the County Business Patterns (CBP) program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county, and Statistics of U.S. Businesses provides annual statistics classified by the employment size of the enterprise, further classified by industry for the United States, and by broader categories for states and metropolitan areas.

CONTACTS FOR DATA USERS

Questions about these data may be directed to the U.S. Census Bureau, Manufacturing & Construction Division, Information Services Center, 301-763-4673 or ask.census.gov.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with these data:

A	Standard error of 100 percent or more
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals
N	Not available or not comparable
S	Withheld because estimates did not meet publication standards
X	Not applicable
f	950 to 999 employees
g	1,000 to 2,499 employees
h	2,500 to 4,999 employees
i	5,000 to 9,999 employees
j	10,000 to 24,999 employees
k	25,000 to 49,999 employees
l	50,000 to 99,999 employees
m	100,000 employees or more
r	Revised
nsk	Not specified by kind
-	Represents zero (page image/print only)

Table 1. Statistics for All Manufacturing Establishments: 2005 and Earlier Years

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Year ¹	Establishments ²		All employees ³		Production workers			Value added ⁵ (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ⁶ (\$1,000)	Total capital expenditures ⁷ (\$1,000)
	Total	With 20 employees or more	Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
2005	N	N	13 168 822	579 890 961	9 230 151	19 069 641	337 490 264	2 204 094 956	2 555 491 508	4 735 383 666	128 325 224
2004	N	N	13 394 079	569 703 575	9 365 130	19 283 817	332 873 474	2 041 433 991	2 283 143 958	4 308 970 620	113 793 133
2003	N	N	13 872 958	567 602 408	9 796 581	19 853 892	330 480 113	1 923 414 910	2 095 279 074	4 015 387 243	112 175 561
2002	350 728	108 654	14 664 385	575 165 127	10 319 528	20 431 721	336 540 063	1 889 290 940	2 022 158 348	3 914 719 163	123 066 761
2001	N	N	15 845 612	591 558 514	11 212 063	22 384 367	342 268 242	1 850 709 351	2 105 337 943	3 967 698 457	142 984 511
2000	N	N	16 651 904	617 211 426	11 943 646	23 954 395	363 380 819	1 973 622 421	2 245 839 293	4 208 582 047	154 478 902
1999	N	N	16 685 639	601 472 998	11 977 196	24 209 596	355 790 664	1 954 498 206	2 084 316 398	4 031 884 590	150 325 065
1998	N	N	16 944 977	586 957 735	12 189 519	24 582 584	348 953 570	1 891 265 885	2 018 054 521	3 899 809 755	152 708 100
1997	362 829	119 748	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	151 510 757
1996	N	N	17 326 300	560 518 300	12 167 800	25 010 500	324 495 800	1 749 661 900	1 975 362 100	3 715 428 200	146 467 500
1995	N	N	17 419 200	545 362 700	12 253 100	25 072 000	317 767 500	1 711 442 300	1 897 570 700	3 594 359 600	134 318 100
1994	N	N	17 059 400	522 565 700	11 947 100	24 560 100	304 663 000	1 605 980 000	1 752 735 100	3 348 019 200	118 664 700
1993	N	N	16 943 500	504 363 100	11 726 200	23 845 100	290 293 200	1 483 054 100	1 647 492 600	3 127 620 400	108 628 500
1992	370 912	118 967	16 948 900	494 108 900	11 640 900	23 565 100	281 538 200	1 424 699 700	1 571 773 500	3 045 939 100	110 643 800
1991	N	N	17 081 200	477 174 600	11 652 000	23 383 000	270 601 000	1 341 386 200	1 531 221 300	2 878 164 800	103 152 900
1990	N	N	17 796 200	480 223 500	12 232 700	24 463 300	275 208 400	1 346 970 100	1 574 617 300	2 912 228 500	106 462 800
1989	N	N	18 045 700	470 479 200	12 535 500	24 933 900	273 119 900	1 325 433 600	1 532 330 000	2 840 376 000	101 894 300
1988	N	N	17 989 600	453 309 400	12 438 700	24 815 400	265 147 100	1 269 313 000	1 444 500 900	2 695 432 300	84 706 100
1987	358 952	120 822	17 718 000	428 480 000	12 280 400	24 302 700	251 449 500	1 165 740 800	1 319 844 600	2 634 700 920	85 662 100
1986	N	N	17 086 800	402 466 700	11 765 400	23 178 200	236 599 400	1 035 437 400	1 217 608 600	2 260 314 600	80 795 100
1985	N	N	17 508 300	396 610 500	12 174 400	23 731 600	235 790 800	1 000 142 000	1 276 009 600	2 280 183 800	91 244 900
1984	N	N	17 854 900	384 921 500	12 572 800	24 637 100	231 783 900	983 227 700	1 288 413 600	2 253 429 300	80 659 900
1983	N	N	17 453 100	354 232 200	12 203 000	23 611 600	212 416 400	882 014 500	1 170 237 800	2 045 853 300	67 479 800
1982	348 385	117 959	17 818 100	341 406 200	12 400 600	23 538 300	204 787 200	824 117 700	1 130 142 700	1 960 205 800	77 045 700
1981	N	N	18 919 800	341 319 800	13 542 800	26 233 100	212 200 900	837 506 500	1 193 969 600	2 017 542 500	83 767 000
1980	N	N	19 311 400	316 494 500	13 900 100	26 745 700	198 164 000	773 831 300	1 093 567 600	1 852 668 300	74 624 600
1979	N	N	19 756 500	298 529 100	14 537 800	28 324 300	192 881 500	747 480 500	999 157 500	1 727 214 600	65 796 600
1978	N	N	19 239 400	271 540 900	14 228 700	27 676 500	176 416 800	657 412 000	877 424 700	1 522 937 300	58 346 000
1977	350 757	113 843	18 515 900	242 031 900	13 691 000	26 686 700	157 163 700	585 165 600	782 417 700	1 358 526 400	51 907 300

¹Statistics presented for years ending in 2 and 7 are census data. Interim years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM). Also, in census year 1997, collection and publication of census and subsequent ASM data changed from the Standard Industrial Classification (SIC) basis to the North American Industry Classification System (NAICS) basis. For a discussion of the impact of this change on the data, see introductory text.

²Includes establishments with payroll at any time during year. Beginning in census year 1997, auxiliary establishments associated with manufacturing companies are classified separately. For 1996 and earlier years, establishment counts for auxiliaries are included.

³Figures include employment and payroll data for employees at manufacturing establishments engaged in nonmanufacturing activities (such as distribution and construction). Beginning in census year 1997, auxiliary establishments associated with manufacturing companies are classified separately. For 1996 and earlier years, employment and payroll data for auxiliaries are included.

⁴Figures for 2005 represent average number of production workers for the March 12, June 12, September 12, and December 12 pay periods, plus other employees for the payroll period that includes the 12th of March. Figures for earlier years represent the average number of production workers for the payroll periods that include the 12th of March, May, August, and November, plus other employees for the March 12th pay period.

⁵Beginning in 1982, all respondents were requested to report their inventories at cost or market prior to adjustment to LIFO cost. This is a change from prior years in which respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, 1982 data for value added are not comparable to prior years.

⁶Data represent total value of shipments for most industries. For industries 311411, 311412, 311421, 311422, 311711, 311712, 311941, 311999, 312140, 312210, 312221, and 312229 value of production is shown. For industry 336611, value of work done is shown.

⁷Beginning in 1997, the data shown are for total capital expenditures (new and used). Prior to 1997, only data for new capital expenditures were shown in this table. For 1996 and earlier years, data have been adjusted to show total capital expenditures.

Note 1: Previous years' data may differ from that published in the 2004 Annual Survey of Manufactures (ASM) because of changes encountered in subsequent review of the 2005 ASM.

Note 2: The data in this table are based on the 2005 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
311	Food manufacturing—Con.										
3113	Sugar and confectionery product manufacturing—Con.										
31132	Chocolate and confectionery manufacturing from cacao beans ...	2005.. 7 942	353 986	6 028	12 219	245 005	1 920 981	2 337 001	4 221 412	1	1
		2004.. 8 659	378 875	6 777	13 793	275 455	1 802 605	2 397 624	4 135 160	1	1
		2003.. 8 999	372 625	7 336	14 967	274 608	1 437 546	2 573 000	4 017 150	1	8
		2002.. 8 789	378 456	7 101	14 773	290 149	1 903 829	2 187 510	4 078 568	X	X
311320	Chocolate and confectionery manufacturing from cacao beans	2005.. 7 942	353 986	6 028	12 219	245 005	1 920 981	2 337 001	4 221 412	1	1
		2004.. 8 659	378 875	6 777	13 793	275 455	1 802 605	2 397 624	4 135 160	1	1
		2003.. 8 999	372 625	7 336	14 967	274 608	1 437 546	2 573 000	4 017 150	1	8
		2002.. 8 789	378 456	7 101	14 773	290 149	1 903 829	2 187 510	4 078 568	X	X
31133	Confectionery manufacturing from purchased chocolate	2005.. 26 442	961 868	20 233	42 349	693 987	7 185 239	3 219 045	10 390 146	4	1
		2004.. 28 041	964 745	21 826	42 877	699 701	6 589 949	3 278 509	9 817 646	3	1
		2003.. 31 580	1 005 533	24 049	46 752	709 301	6 318 570	3 120 807	9 486 642	2	1
		2002.. 32 881	1 004 206	23 705	45 918	702 213	5 708 718	3 103 099	8 833 323	X	X
311330	Confectionery manufacturing from purchased chocolate	2005.. 26 442	961 868	20 233	42 349	693 987	7 185 239	3 219 045	10 390 146	4	1
		2004.. 28 041	964 745	21 826	42 877	699 701	6 589 949	3 278 509	9 817 646	3	1
		2003.. 31 580	1 005 533	24 049	46 752	709 301	6 318 570	3 120 807	9 486 642	2	1
		2002.. 32 881	1 004 206	23 705	45 918	702 213	5 708 718	3 103 099	8 833 323	X	X
31134	Nonchocolate confectionery manufacturing	2005.. 19 830	774 275	15 235	31 553	521 714	4 318 102	2 476 425	6 785 894	3	1
		2004.. 19 529	735 781	14 797	29 807	486 397	3 566 439	2 153 242	5 717 924	3	1
		2003.. 21 523	781 239	16 688	32 965	497 531	3 445 794	2 071 412	5 460 137	1	1
		2002.. 24 037	785 208	19 057	36 436	527 755	3 754 048	2 197 683	5 948 671	X	X
311340	Nonchocolate confectionery manufacturing	2005.. 19 830	774 275	15 235	31 553	521 714	4 318 102	2 476 425	6 785 894	3	1
		2004.. 19 529	735 781	14 797	29 807	486 397	3 566 439	2 153 242	5 717 924	3	1
		2003.. 21 523	781 239	16 688	32 965	497 531	3 445 794	2 071 412	5 460 137	1	1
		2002.. 24 037	785 208	19 057	36 436	527 755	3 754 048	2 197 683	5 948 671	X	X
3114	Fruit and vegetable preserving and specialty food manufacturing	2005.. 166 962	5 614 439	137 645	287 666	4 081 327	27 126 118	27 647 806	54 950 710	1	1
		2004.. 164 623	5 230 689	136 094	277 674	3 824 535	27 799 203	25 417 677	53 322 632	1	1
		2003.. 171 303	5 411 310	143 183	287 591	3 977 723	28 638 353	24 519 121	53 068 204	1	2
		2002.. 179 594	5 460 993	149 124	298 516	3 964 524	29 682 109	24 137 034	53 804 688	X	X
31141	Frozen food manufacturing	2005.. 85 727	2 718 875	71 320	149 610	2 005 726	11 751 438	11 902 909	23 664 781	2	1
		2004.. 84 167	2 475 513	70 633	141 199	1 850 475	11 370 018	10 674 968	22 042 047	2	1
		2003.. 87 244	2 546 244	73 508	145 529	1 888 002	11 859 670	10 194 952	22 050 619	1	1
		2002.. 90 586	2 523 995	76 264	152 061	1 880 336	12 032 474	9 904 862	21 907 166	X	X
31141M	Frozen food manufacturing	2005.. 85 727	2 718 875	71 320	149 610	2 005 726	11 751 438	11 902 909	23 664 781	2	1
		2004.. 84 167	2 475 513	70 633	141 199	1 850 475	11 370 018	10 674 968	22 042 047	2	1
		2003.. 87 244	2 546 244	73 508	145 529	1 888 002	11 859 670	10 194 952	22 050 619	1	1
		2002.. 90 586	2 523 995	76 264	152 061	1 880 336	12 032 474	9 904 862	21 907 166	X	X
31142	Fruit and vegetable canning, pickling, and drying	2005.. 81 234	2 895 564	66 325	138 056	2 075 602	15 374 680	15 744 898	31 285 928	2	1
		2004.. 80 456	2 755 176	65 461	136 475	1 974 060	16 429 186	14 742 709	31 280 584	2	1
		2003.. 84 059	2 865 066	69 675	142 061	2 089 721	16 778 683	14 324 169	31 017 585	3	3
		2002.. 89 008	2 936 998	72 860	146 455	2 084 188	17 649 635	14 232 172	31 897 522	X	X
31142M	Fruit and vegetable canning, pickling, and drying	2005.. 81 234	2 895 564	66 325	138 056	2 075 602	15 374 680	15 744 898	31 285 928	2	1
		2004.. 80 456	2 755 176	65 461	136 475	1 974 060	16 429 186	14 742 709	31 280 584	2	1
		2003.. 84 059	2 865 066	69 675	142 061	2 089 721	16 778 683	14 324 169	31 017 585	3	3
		2002.. 89 008	2 936 998	72 860	146 455	2 084 188	17 649 635	14 232 172	31 897 522	X	X
3115	Dairy product manufacturing	2005.. 127 774	5 315 790	88 864	184 421	3 322 056	25 375 671	51 777 446	76 925 769	1	1
		2004.. 126 664	5 093 610	87 805	182 075	3 187 099	24 601 759	48 996 038	73 446 490	1	1
		2003.. 129 557	5 013 575	88 892	187 678	3 157 834	22 679 792	45 170 826	67 773 763	1	1
		2002.. 129 842	4 860 690	87 874	179 260	2 977 962	22 319 986	44 018 909	66 211 933	X	X
31151	Dairy product (except frozen) manufacturing	2005.. 108 597	4 573 451	73 771	155 234	2 790 608	20 444 686	47 611 624	67 912 403	1	1
		2004.. 108 784	4 396 528	73 670	154 555	2 692 896	20 260 853	45 361 633	65 453 752	1	1
		2003.. 110 264	4 299 968	74 308	158 838	2 654 098	18 728 858	41 678 809	60 343 001	1	1
		2002.. 109 346	4 131 227	72 438	149 631	2 474 449	17 909 069	40 216 617	58 005 956	X	X
311513	Cheese manufacturing	2005.. 37 647	1 436 860	31 430	65 440	1 092 468	5 815 904	21 358 920	27 116 279	1	1
		2004.. 36 655	1 359 108	30 614	62 914	1 033 262	5 792 462	20 148 639	25 824 521	1	1
		2003.. 36 853	1 318 666	30 639	63 567	1 000 043	5 068 755	17 802 284	22 824 331	2	3
		2002.. 37 280	1 271 810	30 648	60 740	953 698	5 030 722	17 043 450	22 042 079	X	X
311514	Dry, condensed, and evaporated dairy product manufacturing	2005.. 12 614	633 557	8 861	19 190	395 326	4 276 821	5 344 173	9 585 867	1	1
		2004.. 13 187	604 490	9 184	19 655	379 278	4 561 451	5 123 885	9 688 958	1	1
		2003.. 14 186	612 222	9 835	21 702	395 519	4 371 862	4 995 620	9 377 025	4	3
		2002.. 13 901	598 025	9 598	20 757	375 138	4 242 248	5 208 274	9 470 187	X	X
31151N	Fluid milk and butter manufacturing	2005.. 58 336	2 503 034	33 481	70 604	1 302 814	10 351 962	20 908 532	31 210 256	1	1
		2004.. 58 942	2 432 930	33 873	71 987	1 280 356	9 906 940	20 089 110	29 940 272	1	2
		2003.. 59 226	2 369 080	33 834	73 569	1 258 536	9 288 241	18 880 905	28 141 645	1	2
		2002.. 58 165	2 261 392	32 192	68 134	1 145 613	8 636 099	17 964 893	26 493 690	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
311	Food manufacturing—Con.										
3115	Dairy product manufacturing—Con.										
31152	Ice cream and frozen dessert manufacturing	2005..	19 177	742 339	15 092	29 187	531 448	4 930 985	4 165 822	9 013 366	2 2
		2004..	17 879	697 081	14 135	27 519	494 202	4 340 907	3 634 404	7 992 738	2 1
		2003..	19 293	713 607	14 584	28 841	503 736	3 950 934	3 492 018	7 430 762	2 1
		2002..	20 496	729 463	15 436	29 629	503 513	4 410 917	3 802 292	8 205 977	X X
311520	Ice cream and frozen dessert manufacturing	2005..	19 177	742 339	15 092	29 187	531 448	4 930 985	4 165 822	9 013 366	2 2
		2004..	17 879	697 081	14 135	27 519	494 202	4 340 907	3 634 404	7 992 738	2 1
		2003..	19 293	713 607	14 584	28 841	503 736	3 950 934	3 492 018	7 430 762	2 1
		2002..	20 496	729 463	15 436	29 629	503 513	4 410 917	3 802 292	8 205 977	X X
3116	Animal slaughtering and processing ...	2005..	485 965	13 285 735	416 940	881 800	10 268 110	53 631 679	96 843 680	150 436 812	1 1
		2004..	489 172	13 030 945	418 550	895 311	10 041 838	47 837 807	94 026 916	141 801 204	1 1
		2003..	493 247	12 662 339	424 534	890 015	9 735 169	43 877 440	90 604 990	134 236 415	1 1
		2002..	505 923	12 642 822	435 664	904 970	9 782 409	40 717 294	82 361 098	122 827 468	X X
31161	Animal slaughtering and processing	2005..	485 965	13 285 735	416 940	881 800	10 268 110	53 631 679	96 843 680	150 436 812	1 1
		2004..	489 172	13 030 945	418 550	895 311	10 041 838	47 837 807	94 026 916	141 801 204	1 1
		2003..	493 247	12 662 339	424 534	890 015	9 735 169	43 877 440	90 604 990	134 236 415	1 1
		2002..	505 923	12 642 822	435 664	904 970	9 782 409	40 717 294	82 361 098	122 827 468	X X
311615	Poultry processing	2005..	226 396	5 328 010	199 065	415 379	4 291 887	27 158 756	20 688 961	47 819 049	1 1
		2004..	233 003	5 247 457	205 049	426 688	4 270 580	23 286 065	20 428 046	43 679 371	1 2
		2003..	231 576	5 003 797	205 731	409 099	4 068 485	20 560 752	18 762 937	39 225 146	1 1
		2002..	243 831	5 144 956	217 621	429 834	4 240 846	19 165 051	18 760 533	37 739 747	X X
31161N	Animal (except poultry) slaughtering and processing	2005..	259 569	7 957 725	217 874	466 421	5 976 223	26 472 923	76 154 719	102 617 763	1 1
		2004..	256 169	7 783 488	213 501	468 623	5 771 258	24 551 741	73 598 869	98 121 833	1 1
		2003..	261 671	7 658 543	218 804	480 917	5 666 683	23 316 688	71 842 053	95 011 269	1 1
		2002..	262 092	7 497 866	218 043	475 136	5 541 563	21 552 243	63 600 565	85 087 721	X X
3117	Seafood product preparation and packaging	2005..	39 243	1 172 012	32 252	63 145	795 152	3 970 857	6 168 437	10 144 831	1 2
		2004..	39 038	1 086 479	32 355	62 260	743 554	3 631 602	5 586 361	9 209 265	1 2
		2003..	42 764	1 129 140	36 825	69 891	795 383	3 395 597	5 417 543	8 827 274	4 2
		2002..	41 301	1 058 106	34 170	63 313	702 295	3 264 610	5 521 473	8 797 171	X X
31171	Seafood product preparation and packaging	2005..	39 243	1 172 012	32 252	63 145	795 152	3 970 857	6 168 437	10 144 831	1 2
		2004..	39 038	1 086 479	32 355	62 260	743 554	3 631 602	5 586 361	9 209 265	1 2
		2003..	42 764	1 129 140	36 825	69 891	795 383	3 395 597	5 417 543	8 827 274	4 2
		2002..	41 301	1 058 106	34 170	63 313	702 295	3 264 610	5 521 473	8 797 171	X X
31171M	Seafood product preparation and packaging	2005..	39 243	1 172 012	32 252	63 145	795 152	3 970 857	6 168 437	10 144 831	1 2
		2004..	39 038	1 086 479	32 355	62 260	743 554	3 631 602	5 586 361	9 209 265	1 2
		2003..	42 764	1 129 140	36 825	69 891	795 383	3 395 597	5 417 543	8 827 274	4 2
		2002..	41 301	1 058 106	34 170	63 313	702 295	3 264 610	5 521 473	8 797 171	X X
3118	Bakeries and tortilla manufacturing	2005..	278 573	8 809 574	174 710	320 919	4 988 471	35 139 459	18 628 509	53 665 976	1 1
		2004..	285 766	8 862 536	174 095	322 556	5 027 590	37 122 227	17 514 409	52 282 383	1 1
		2003..	294 581	8 969 186	177 776	327 625	4 909 307	32 174 376	16 827 063	48 916 323	1 1
		2002..	307 765	9 246 308	185 314	340 328	5 046 674	32 104 360	17 045 828	49 062 387	X X
31181	Bread and bakery product manufacturing	2005..	218 870	6 758 409	128 048	229 077	3 501 112	22 595 381	11 390 779	33 883 664	2 2
		2004..	224 224	6 805 665	126 341	228 443	3 546 002	21 590 448	10 310 114	31 899 100	2 2
		2003..	230 207	6 724 911	125 653	227 778	3 377 338	19 128 301	9 887 568	28 981 587	2 2
		2002..	239 823	6 947 056	131 991	235 449	3 459 386	20 746 411	10 220 634	30 943 119	X X
31181M	Bread and bakery product manufacturing	2005..	218 870	6 758 409	128 048	229 077	3 501 112	22 595 381	11 390 779	33 883 664	2 2
		2004..	224 224	6 805 665	126 341	228 443	3 546 002	21 590 448	10 310 114	31 899 100	2 2
		2003..	230 207	6 724 911	125 653	227 778	3 377 338	19 128 301	9 887 568	28 981 587	2 2
		2002..	239 823	6 947 056	131 991	235 449	3 459 386	20 746 411	10 220 634	30 943 119	X X
31182	Cookie, cracker, and pasta manufacturing	2005..	46 757	1 715 739	36 326	73 602	1 246 323	11 260 873	6 425 762	17 688 879	2 2
		2004..	49 555	1 746 311	38 062	77 121	1 259 149	11 967 546	6 477 953	18 491 601	1 3
		2003..	51 651	1 940 837	41 442	79 899	1 305 400	11 966 016	6 339 805	18 284 206	2 1
		2002..	55 348	1 989 643	42 799	86 144	1 356 841	10 386 980	6 262 980	16 587 001	X X
31182M	Cookie, cracker, and pasta manufacturing	2005..	46 757	1 715 739	36 326	73 602	1 246 323	11 260 873	6 425 762	17 688 879	2 2
		2004..	49 555	1 746 311	38 062	77 121	1 259 149	11 967 546	6 477 953	18 491 601	1 3
		2003..	51 651	1 940 837	41 442	79 899	1 305 400	11 966 016	6 339 805	18 284 206	2 1
		2002..	55 348	1 989 643	42 799	86 144	1 356 841	10 386 980	6 262 980	16 587 001	X X
31183	Tortilla manufacturing	2005..	12 945	335 426	10 336	18 240	241 036	1 283 205	811 968	2 093 433	4 2
		2004..	11 988	310 560	9 692	16 992	222 439	1 164 233	726 341	1 891 682	3 3
		2003..	12 723	303 438	10 681	19 948	226 569	1 080 059	599 690	1 650 529	5 3
		2002..	12 594	309 609	10 524	18 735	230 447	970 969	562 214	1 532 267	X X
311830	Tortilla manufacturing	2005..	12 945	335 426	10 336	18 240	241 036	1 283 205	811 968	2 093 433	4 2
		2004..	11 988	310 560	9 692	16 992	222 439	1 164 233	726 341	1 891 682	3 3
		2003..	12 723	303 438	10 681	19 948	226 569	1 080 059	599 690	1 650 529	5 3
		2002..	12 594	309 609	10 524	18 735	230 447	970 969	562 214	1 532 267	X X
3119	Other food manufacturing	2005..	175 102	6 432 922	122 914	239 981	3 753 393	38 303 738	29 021 756	67 293 439	1 1
		2004..	176 438	6 190 792	126 244	249 532	3 761 074	37 587 042	27 152 648	64 629 361	1 1
		2003..	162 456	5 637 090	119 947	238 412	3 467 712	36 271 846	25 381 730	61 583 913	1 1
		2002..	160 132	5 271 466	115 641	223 086	3 173 686	33 679 731	23 149 170	56 826 892	X X

See footnotes at end of table.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—		
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F	
												A
316	Leather and allied product manufacturing	2005..	37 384	1 100 770	28 957	56 708	688 399	2 865 246	3 184 270	6 012 884	3	2
		2004..	38 811	1 089 557	30 197	56 752	661 346	2 771 164	3 019 327	5 811 551	2	1
		2003..	40 616	1 121 737	31 838	60 469	677 680	2 912 479	2 877 167	5 807 243	1	2
		2002..	44 607	1 177 167	35 146	66 098	726 445	2 837 523	2 991 040	5 906 231	X	X
3161	Leather and hide tanning and finishing	2005..	6 080	229 709	4 678	9 261	153 964	502 123	1 260 851	1 773 875	1	1
		2004..	6 928	234 357	5 361	10 425	157 316	633 210	1 151 705	1 794 925	1	1
		2003..	7 871	257 977	6 196	12 131	179 514	678 691	1 174 055	1 854 962	1	2
		2002..	8 837	280 689	7 096	13 664	198 740	712 655	1 167 234	1 910 582	X	X
31611	Leather and hide tanning and finishing	2005..	6 080	229 709	4 678	9 261	153 964	502 123	1 260 851	1 773 875	1	1
		2004..	6 928	234 357	5 361	10 425	157 316	633 210	1 151 705	1 794 925	1	1
		2003..	7 871	257 977	6 196	12 131	179 514	678 691	1 174 055	1 854 962	1	2
		2002..	8 837	280 689	7 096	13 664	198 740	712 655	1 167 234	1 910 582	X	X
316110	Leather and hide tanning and finishing	2005..	6 080	229 709	4 678	9 261	153 964	502 123	1 260 851	1 773 875	1	1
		2004..	6 928	234 357	5 361	10 425	157 316	633 210	1 151 705	1 794 925	1	1
		2003..	7 871	257 977	6 196	12 131	179 514	678 691	1 174 055	1 854 962	1	2
		2002..	8 837	280 689	7 096	13 664	198 740	712 655	1 167 234	1 910 582	X	X
3162	Footwear manufacturing	2005..	15 631	438 643	12 722	24 640	286 552	1 053 733	982 677	2 020 722	1	1
		2004..	16 914	457 457	13 808	25 713	284 962	980 871	999 881	2 010 677	1	1
		2003..	17 811	481 757	14 225	27 386	292 407	1 181 700	1 040 290	2 240 267	2	5
		2002..	19 562	505 243	15 594	29 559	307 284	1 101 366	1 155 917	2 302 650	X	X
31621	Footwear manufacturing	2005..	15 631	438 643	12 722	24 640	286 552	1 053 733	982 677	2 020 722	1	1
		2004..	16 914	457 457	13 808	25 713	284 962	980 871	999 881	2 010 677	1	1
		2003..	17 811	481 757	14 225	27 386	292 407	1 181 700	1 040 290	2 240 267	2	5
		2002..	19 562	505 243	15 594	29 559	307 284	1 101 366	1 155 917	2 302 650	X	X
31621M	Footwear manufacturing	2005..	15 631	438 643	12 722	24 640	286 552	1 053 733	982 677	2 020 722	1	1
		2004..	16 914	457 457	13 808	25 713	284 962	980 871	999 881	2 010 677	1	1
		2003..	17 811	481 757	14 225	27 386	292 407	1 181 700	1 040 290	2 240 267	2	5
		2002..	19 562	505 243	15 594	29 559	307 284	1 101 366	1 155 917	2 302 650	X	X
3169	Other leather and allied product manufacturing	2005..	15 673	432 418	11 557	22 808	247 882	1 309 390	940 742	2 218 287	8	4
		2004..	14 969	397 743	11 028	20 614	219 069	1 157 084	867 741	2 005 950	4	3
		2003..	14 935	382 004	11 417	20 951	205 760	1 052 088	662 823	1 712 014	2	2
		2002..	16 208	391 235	12 456	22 875	220 421	1 023 502	667 889	1 692 999	X	X
31699	Other leather and allied product manufacturing	2005..	15 673	432 418	11 557	22 808	247 882	1 309 390	940 742	2 218 287	8	4
		2004..	14 969	397 743	11 028	20 614	219 069	1 157 084	867 741	2 005 950	4	3
		2003..	14 935	382 004	11 417	20 951	205 760	1 052 088	662 823	1 712 014	2	2
		2002..	16 208	391 235	12 456	22 875	220 421	1 023 502	667 889	1 692 999	X	X
31699M	Other leather and allied product manufacturing	2005..	15 673	432 418	11 557	22 808	247 882	1 309 390	940 742	2 218 287	8	4
		2004..	14 969	397 743	11 028	20 614	219 069	1 157 084	867 741	2 005 950	4	3
		2003..	14 935	382 004	11 417	20 951	205 760	1 052 088	662 823	1 712 014	2	2
		2002..	16 208	391 235	12 456	22 875	220 421	1 023 502	667 889	1 692 999	X	X
321	Wood product manufacturing	2005..	539 103	17 832 302	431 113	911 506	12 620 931	44 762 514	67 739 453	112 017 533	1	1
		2004..	535 996	17 008 545	429 752	908 834	12 174 518	43 733 529	60 904 957	104 135 194	1	1
		2003..	513 900	15 696 546	421 725	862 269	11 349 849	37 077 225	55 032 506	92 068 903	1	1
		2002..	539 981	16 043 559	441 738	876 476	11 554 993	35 121 393	53 984 547	89 019 024	X	X
3211	Sawmills and wood preservation	2005..	105 323	3 875 923	87 081	196 534	2 966 403	10 946 148	22 004 990	32 786 339	1	1
		2004..	106 496	3 709 966	89 051	200 557	2 882 963	10 746 346	19 958 833	30 529 740	1	1
		2003..	104 207	3 463 409	89 370	191 355	2 729 939	8 477 531	18 384 576	26 821 775	2	2
		2002..	108 087	3 497 283	92 219	192 431	2 748 722	7 771 151	18 066 119	25 928 957	X	X
32111	Sawmills and wood preservation	2005..	105 323	3 875 923	87 081	196 534	2 966 403	10 946 148	22 004 990	32 786 339	1	1
		2004..	106 496	3 709 966	89 051	200 557	2 882 963	10 746 346	19 958 833	30 529 740	1	1
		2003..	104 207	3 463 409	89 370	191 355	2 729 939	8 477 531	18 384 576	26 821 775	2	2
		2002..	108 087	3 497 283	92 219	192 431	2 748 722	7 771 151	18 066 119	25 928 957	X	X
32111M	Sawmills and wood preservation	2005..	105 323	3 875 923	87 081	196 534	2 966 403	10 946 148	22 004 990	32 786 339	1	1
		2004..	106 496	3 709 966	89 051	200 557	2 882 963	10 746 346	19 958 833	30 529 740	1	1
		2003..	104 207	3 463 409	89 370	191 355	2 729 939	8 477 531	18 384 576	26 821 775	2	2
		2002..	108 087	3 497 283	92 219	192 431	2 748 722	7 771 151	18 066 119	25 928 957	X	X
3212	Veneer, plywood, and engineered wood product manufacturing	2005..	115 467	4 111 980	92 967	202 680	2 926 016	11 077 981	15 691 139	26 608 647	1	1
		2004..	111 459	3 884 790	89 606	196 607	2 789 898	10 946 300	13 971 806	24 844 397	1	1
		2003..	110 897	3 659 663	89 941	194 272	2 627 194	9 030 476	12 633 432	21 725 563	1	1
		2002..	114 255	3 679 908	93 390	194 081	2 667 369	8 083 979	12 155 870	20 195 136	X	X
32121	Veneer, plywood, and engineered wood product manufacturing	2005..	115 467	4 111 980	92 967	202 680	2 926 016	11 077 981	15 691 139	26 608 647	1	1
		2004..	111 459	3 884 790	89 606	196 607	2 789 898	10 946 300	13 971 806	24 844 397	1	1
		2003..	110 897	3 659 663	89 941	194 272	2 627 194	9 030 476	12 633 432	21 725 563	1	1
		2002..	114 255	3 679 908	93 390	194 081	2 667 369	8 083 979	12 155 870	20 195 136	X	X
321219	Reconstituted wood product manufacturing	2005..	21 358	899 532	17 036	37 565	648 163	3 983 681	4 386 426	8 341 218	2	1
		2004..	20 786	845 745	16 573	36 579	616 212	4 147 961	3 726 300	7 854 114	2	1
		2003..	21 076	803 600	17 198	36 774	584 638	3 065 371	3 590 465	6 685 759	1	2
		2002..	22 539	830 494	18 145	37 537	604 150	2 506 342	3 336 047	5 828 833	X	X
32121N	Veneer and plywood manufacturing	2005..	38 736	1 370 365	34 200	75 947	1 113 287	3 063 436	5 763 928	8 762 581	2	2
		2004..	38 802	1 355 860	34 421	76 570	1 120 253	3 347 486	5 338 941	8 666 741	2	2
		2003..	40 799	1 318 275	36 114	79 488	1 078 403	2 753 668	5 105 502	7 898 872	2	2
		2002..	44 262	1 424 790	39 381	83 814	1 170 909	2 565 895	5 284 999	7 825 124	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
322	Paper manufacturing—Con.										
3222	Converted paper product manufacturing	2005.. 293 991	12 473 962	225 917	485 538	8 099 981	37 270 158	50 359 551	87 419 914	1	1
		2004.. 302 530	12 431 798	230 836	498 969	8 092 435	37 117 086	46 842 016	83 755 886	1	1
		2003.. 317 837	12 448 988	243 568	507 816	8 097 097	37 091 193	45 461 722	82 782 364	1	1
		2002.. 333 075	12 648 707	253 247	522 671	8 153 651	37 525 629	46 152 196	83 787 378	X	X
32221	Paperboard container manufacturing	2005.. 162 816	6 975 382	124 766	272 356	4 471 669	17 627 996	28 526 390	46 127 331	1	1
		2004.. 168 946	7 013 749	128 584	283 967	4 505 837	18 138 323	26 497 608	44 507 393	1	1
		2003.. 178 032	6 990 719	136 310	287 752	4 492 627	17 569 884	25 687 453	43 435 890	1	1
		2002.. 185 053	7 097 102	140 657	293 299	4 516 285	17 483 210	26 072 141	43 530 631	X	X
32221M	Paperboard container manufacturing	2005.. 162 816	6 975 382	124 766	272 356	4 471 669	17 627 996	28 526 390	46 127 331	1	1
		2004.. 168 946	7 013 749	128 584	283 967	4 505 837	18 138 323	26 497 608	44 507 393	1	1
		2003.. 178 032	6 990 719	136 310	287 752	4 492 627	17 569 884	25 687 453	43 435 890	1	1
		2002.. 185 053	7 097 102	140 657	293 299	4 516 285	17 483 210	26 072 141	43 530 631	X	X
32222	Paper bag and coated and treated paper manufacturing	2005.. 61 828	2 718 657	46 381	99 963	1 716 082	8 970 111	11 076 990	19 943 043	1	1
		2004.. 61 028	2 620 716	45 295	97 453	1 582 915	8 466 801	10 170 498	18 170 868	1	1
		2003.. 64 629	2 644 767	48 143	99 137	1 677 124	8 654 506	9 660 223	18 312 029	1	1
		2002.. 66 646	2 653 567	48 852	100 768	1 654 338	8 359 165	9 876 596	18 306 659	X	X
32222N	Coated and laminated paper and packaging manufacturing.....	2005.. 37 453	1 768 703	26 683	56 983	1 042 872	6 418 344	7 205 892	13 560 484	1	1
		2004.. 39 010	1 779 348	27 717	59 162	1 080 485	6 290 537	7 022 581	13 294 400	1	1
		2003.. 41 688	1 805 695	29 827	60 675	1 104 789	6 515 033	6 534 985	13 067 059	1	1
		2002.. 43 314	1 812 829	30 238	61 689	1 077 716	6 276 714	6 821 550	13 130 791	X	X
32222P	Coated, uncoated, and multiwall bag and packaging manufacturing	2005.. 24 375	949 954	19 697	42 980	673 210	2 551 767	3 871 098	6 382 559	2	3
		2004.. 22 018	841 368	17 578	38 291	582 430	2 176 264	3 147 917	5 298 468	2	3
		2003.. 22 941	839 073	18 316	38 462	572 335	2 139 473	3 125 237	5 244 970	1	1
		2002.. 23 332	840 738	18 614	39 079	576 622	2 082 451	3 055 046	5 175 868	X	X
32223	Stationery product manufacturing ...	2005.. 33 369	1 256 045	26 083	53 360	839 586	3 261 279	4 727 832	8 002 297	1	2
		2004.. 35 692	1 296 224	27 791	57 050	867 338	3 240 514	4 426 787	7 690 810	1	2
		2003.. 36 554	1 286 088	28 683	59 186	863 518	3 275 021	4 406 834	7 666 850	1	1
		2002.. 38 591	1 297 402	30 226	61 170	888 316	3 364 048	4 547 298	7 977 650	X	X
32223M	Stationery product manufacturing	2005.. 33 369	1 256 045	26 083	53 360	839 586	3 261 279	4 727 832	8 002 297	1	2
		2004.. 35 692	1 296 224	27 791	57 050	867 338	3 240 514	4 426 787	7 690 810	1	2
		2003.. 36 554	1 286 088	28 683	59 186	863 518	3 275 021	4 406 834	7 666 850	1	1
		2002.. 38 591	1 297 402	30 226	61 170	888 316	3 364 048	4 547 298	7 977 650	X	X
32229	Other converted paper product manufacturing	2005.. 35 978	1 523 878	28 688	59 860	1 072 643	7 410 771	6 028 339	13 347 242	2	2
		2004.. 36 864	1 501 109	29 166	60 499	1 056 344	7 271 447	5 747 123	12 964 816	1	1
		2003.. 38 622	1 527 414	30 433	61 743	1 063 828	7 591 782	5 707 213	13 367 594	1	1
		2002.. 42 785	1 600 636	33 512	67 434	1 094 712	8 319 206	5 656 161	13 972 438	X	X
322291	Sanitary paper product manufacturing	2005.. 16 064	785 525	13 106	28 078	590 712	5 008 165	3 579 093	8 546 156	3	2
		2004.. 16 462	766 730	13 187	28 391	572 250	4 959 136	3 462 816	8 395 305	2	1
		2003.. 18 324	826 886	14 543	30 881	614 940	5 475 017	3 617 320	9 142 527	1	1
		2002.. 20 053	843 966	15 851	32 421	617 681	6 008 981	3 525 488	9 542 802	X	X
322299	All other converted paper product manufacturing	2005.. 19 913	738 354	15 582	31 782	481 931	2 402 607	2 449 246	4 801 087	3	4
		2004.. 20 403	734 379	15 979	32 108	484 094	2 312 311	2 284 306	4 569 511	2	2
		2003.. 20 298	700 529	15 889	30 862	448 888	2 116 765	2 089 893	4 225 067	3	2
		2002.. 22 732	756 670	17 661	35 013	477 031	2 310 225	2 130 673	4 429 636	X	X
323	Printing and related support activities	2005.. 642 343	24 892 878	456 692	897 751	15 405 877	58 930 067	38 425 315	97 094 544	1	1
		2004.. 659 385	24 762 738	466 390	910 112	15 414 415	57 472 300	36 319 559	93 594 772	1	1
		2003.. 673 832	25 077 290	487 226	940 045	15 512 656	56 750 481	35 731 144	92 553 417	1	1
		2002.. 715 832	25 631 105	513 888	969 564	15 908 271	58 986 903	36 579 329	95 611 584	X	X
3231	Printing and related support activities	2005.. 642 343	24 892 878	456 692	897 751	15 405 877	58 930 067	38 425 315	97 094 544	1	1
		2004.. 659 385	24 762 738	466 390	910 112	15 414 415	57 472 300	36 319 559	93 594 772	1	1
		2003.. 673 832	25 077 290	487 226	940 045	15 512 656	56 750 481	35 731 144	92 553 417	1	1
		2002.. 715 832	25 631 105	513 888	969 564	15 908 271	58 986 903	36 579 329	95 611 584	X	X
32311	Printing	2005.. 593 423	22 910 499	420 233	824 737	14 139 033	55 025 162	37 142 627	91 899 422	1	1
		2004.. 608 531	22 805 350	428 545	834 748	14 166 804	53 569 399	35 120 174	88 487 569	1	1
		2003.. 620 746	23 065 625	447 123	862 873	14 234 565	52 850 764	34 567 973	87 503 394	1	1
		2002.. 659 737	23 508 745	471 589	888 844	14 551 563	54 801 122	35 348 139	90 200 981	X	X
32311M	Printing	2005.. 593 423	22 910 499	420 233	824 737	14 139 033	55 025 162	37 142 627	91 899 422	1	1
		2004.. 608 531	22 805 350	428 545	834 748	14 166 804	53 569 399	35 120 174	88 487 569	1	1
		2003.. 620 746	23 065 625	447 123	862 873	14 234 565	52 850 764	34 567 973	87 503 394	1	1
		2002.. 659 737	23 508 745	471 589	888 844	14 551 563	54 801 122	35 348 139	90 200 981	X	X
32312	Support activities for printing.....	2005.. 48 920	1 982 379	36 459	73 014	1 266 843	3 904 905	1 282 687	5 195 123	2	2
		2004.. 50 854	1 957 387	37 845	75 365	1 247 611	3 902 901	1 199 385	5 107 203	2	2
		2003.. 53 086	2 011 665	40 103	77 172	1 278 091	3 899 717	1 163 171	5 050 023	3	3
		2002.. 56 095	2 122 360	42 299	80 720	1 356 708	4 185 781	1 231 190	5 410 603	X	X
32312M	Support activities for printing.....	2005.. 48 920	1 982 379	36 459	73 014	1 266 843	3 904 905	1 282 687	5 195 123	2	2
		2004.. 50 854	1 957 387	37 845	75 365	1 247 611	3 902 901	1 199 385	5 107 203	2	2
		2003.. 53 086	2 011 665	40 103	77 172	1 278 091	3 899 717	1 163 171	5 050 023	3	3
		2002.. 56 095	2 122 360	42 299	80 720	1 356 708	4 185 781	1 231 190	5 410 603	X	X

See footnotes at end of table.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
325 3251 32518	Chemical manufacturing—Con. Basic chemical manufacturing—Con. Other basic inorganic chemical manufacturing	2005.. 52 145 2004.. 53 331 2003.. 56 001 2002.. 57 313	3 534 233 3 388 976 3 464 598 3 480 261	28 510 28 732 30 211 31 037	59 801 59 989 62 030 65 838	1 709 168 1 592 139 1 638 124 1 679 616	14 500 999 12 208 753 11 902 500 11 340 748	10 804 542 9 368 578 8 493 949 8 601 624	25 082 464 21 625 987 20 436 856 19 979 652	1 1 1 X	1 1 1 X
325181	Alkalies and chlorine manufacturing	2005.. 7 599 2004.. 7 163 2003.. 5 819 2002.. 6 312	536 228 465 575 370 320 388 341	5 244 5 010 4 095 4 329	10 722 9 882 8 025 9 235	348 433 302 293 241 979 252 155	3 241 415 2 096 781 1 845 219 1 299 762	3 243 917 2 295 276 1 687 782 1 543 555	6 455 923 4 389 376 3 539 481 2 831 314	1 1 1 X	1 1 1 X
325182	Carbon black manufacturing	2005.. 1 593 2004.. 1 625 2003.. 1 619 2002.. 1 665	95 715 94 549 98 476 99 409	1 098 1 080 1 041 1 111	2 565 2 406 2 305 2 235	64 304 58 848 60 322 60 580	541 349 527 592 540 648 514 981	692 663 629 983 594 172 531 912	1 191 173 1 151 127 1 136 506 1 043 515	1 1 1 X	1 2 1 X
325188	All other basic inorganic chemical manufacturing	2005.. 42 953 2004.. 44 543 2003.. 48 563 2002.. 49 336	2 902 291 2 828 852 2 995 801 2 992 511	22 168 22 642 25 075 25 597	46 514 47 701 51 700 54 368	1 296 431 1 230 998 1 335 823 1 366 881	10 718 234 9 584 381 9 516 633 9 526 005	6 867 962 6 443 319 6 211 995 6 526 157	17 435 368 16 085 484 15 760 870 16 104 823	1 1 1 X	1 1 1 X
32519	Other basic organic chemical manufacturing	2005.. 74 347 2004.. 79 580 2003.. 83 507 2002.. 88 801	5 172 788 5 316 376 5 223 955 5 405 458	44 872 47 573 50 790 52 499	99 377 106 779 112 683 114 355	2 764 620 2 968 580 2 845 981 2 896 104	30 122 002 26 156 378 22 250 338 21 458 260	49 856 750 46 083 011 40 790 136 35 444 225	79 388 681 71 395 177 63 144 574 56 910 272	1 1 1 X	1 1 4 X
32519M	Other basic organic chemical manufacturing	2005.. 74 347 2004.. 79 580 2003.. 83 507 2002.. 88 801	5 172 788 5 316 376 5 223 955 5 405 458	44 872 47 573 50 790 52 499	99 377 106 779 112 683 114 355	2 764 620 2 968 580 2 845 981 2 896 104	30 122 002 26 156 378 22 250 338 21 458 260	49 856 750 46 083 011 40 790 136 35 444 225	79 388 681 71 395 177 63 144 574 56 910 272	1 1 1 X	1 1 4 X
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	2005.. 85 472 2004.. 85 919 2003.. 95 281 2002.. 100 349	5 198 078 4 919 236 5 141 067 5 284 795	58 863 58 641 65 682 69 178	129 801 130 000 141 613 145 211	3 188 921 3 047 034 3 140 422 3 270 182	32 909 432 29 261 557 23 966 019 22 616 143	57 984 371 45 499 166 40 693 133 37 872 629	89 986 705 73 883 995 64 664 641 60 274 763	1 2 1 X	1 1 1 X
32521	Resin and synthetic rubber manufacturing	2005.. 66 994 2004.. 65 408 2003.. 72 032 2002.. 76 817	4 384 612 4 063 026 4 178 138 4 329 426	43 979 42 217 47 143 50 503	95 677 92 800 101 775 104 253	2 580 078 2 419 037 2 470 302 2 589 714	29 104 160 25 501 032 20 436 089 19 038 566	52 823 638 40 992 470 35 946 144 33 486 518	81 024 424 65 655 975 56 366 464 52 321 610	2 2 1 X	1 1 1 X
325211	Plastics material and resin manufacturing	2005.. 58 419 2004.. 57 173 2003.. 61 852 2002.. 67 061	3 874 809 3 582 537 3 583 163 3 810 236	37 984 36 718 40 355 43 903	84 173 81 372 87 357 90 977	2 257 115 2 114 465 2 105 104 2 264 792	26 750 124 23 166 719 17 774 412 16 471 055	48 379 019 37 186 286 32 618 532 30 585 869	74 327 971 59 552 466 50 380 874 46 846 851	2 2 1 X	1 1 1 X
325212	Synthetic rubber manufacturing ...	2005.. 8 575 2004.. 8 235 2003.. 10 181 2002.. 9 756	509 803 480 489 594 975 519 190	5 995 5 499 6 788 6 600	11 504 11 428 14 418 13 276	322 963 304 573 365 198 324 922	2 354 036 2 334 313 2 661 677 2 567 511	4 444 619 3 806 184 3 327 613 2 900 649	6 696 453 6 103 510 5 985 590 5 474 759	2 1 2 X	1 1 2 X
32522	Artificial and synthetic fibers and filaments manufacturing	2005.. 18 478 2004.. 20 511 2003.. 23 248 2002.. 23 532	813 466 856 210 962 929 955 369	14 884 16 424 18 540 18 675	34 124 37 201 39 838 40 958	608 843 627 996 740 120 680 468	3 805 272 3 760 526 3 529 930 3 577 577	5 160 733 4 506 696 4 746 989 4 386 111	8 962 281 8 228 020 8 298 176 7 953 153	1 1 1 X	1 1 1 X
32522M	Artificial and synthetic fibers and filaments manufacturing	2005.. 18 478 2004.. 20 511 2003.. 23 248 2002.. 23 532	813 466 856 210 962 929 955 369	14 884 16 424 18 540 18 675	34 124 37 201 39 838 40 958	608 843 627 996 740 120 680 468	3 805 272 3 760 526 3 529 930 3 577 577	5 160 733 4 506 696 4 746 989 4 386 111	8 962 281 8 228 020 8 298 176 7 953 153	1 1 1 X	1 1 1 X
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2005.. 27 535 2004.. 28 502 2003.. 30 488 2002.. 31 287	1 480 609 1 490 412 1 481 299 1 494 326	17 743 18 315 19 794 19 765	38 009 40 280 42 486 42 264	836 871 821 407 848 678 830 476	14 505 124 12 167 423 10 204 212 9 282 504	13 551 796 12 127 894 11 057 182 9 896 006	27 826 804 24 264 706 21 272 257 19 306 831	2 2 2 X	1 1 1 X
32531	Fertilizer manufacturing	2005.. 17 152 2004.. 17 843 2003.. 19 688 2002.. 20 718	890 851 886 309 918 832 941 557	11 589 12 046 13 383 13 656	25 283 27 111 29 278 29 646	553 063 550 537 583 705 571 896	5 009 284 4 693 609 3 702 728 3 407 370	8 857 250 8 260 576 7 634 878 6 790 576	13 752 793 12 911 693 11 310 526 10 219 830	1 1 1 X	2 2 2 X
325311	Nitrogenous fertilizer manufacturing	2005.. 3 462 2004.. 3 583 2003.. 4 285 2002.. 4 760	231 298 220 762 253 040 282 589	2 264 2 261 2 827 2 971	4 772 4 954 6 133 6 521	153 537 140 880 164 984 166 936	1 978 877 1 780 270 1 383 592 971 247	2 921 433 2 599 820 2 552 121 2 258 835	4 863 424 4 393 867 3 895 723 3 291 075	1 1 2 X	2 2 3 X
325312	Phosphatic fertilizer manufacturing	2005.. 6 077 2004.. 6 251 2003.. 6 223 2002.. 6 306	360 940 365 458 346 056 335 864	4 479 4 598 4 670 4 630	10 225 11 338 10 691 10 766	244 065 249 672 243 520 235 035	1 406 321 1 474 933 1 137 253 1 361 338	3 817 207 3 727 503 3 167 386 2 638 098	5 195 131 5 146 533 4 339 511 3 955 155	2 2 1 X	5 4 2 X
325314	Fertilizer (mixing only) manufacturing	2005.. 7 612 2004.. 8 010 2003.. 9 180 2002.. 9 652	298 613 300 089 319 736 323 104	4 846 5 187 5 886 6 055	10 285 10 819 12 454 12 359	155 461 159 985 175 201 169 925	1 624 086 1 438 406 1 181 883 1 074 785	2 118 610 1 933 253 1 915 371 1 893 643	3 694 237 3 371 293 3 075 292 2 973 600	3 3 3 X	3 2 4 X

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		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F	
												A
325	Chemical manufacturing—Con.											
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing—Con.											
32532	Pesticide and other agricultural chemical manufacturing	2005..	10 383	589 758	6 154	12 727	283 808	9 495 840	4 694 545	14 074 012	4	2
		2004..	10 659	604 104	6 269	13 170	270 870	7 473 814	3 867 317	11 353 012	4	2
		2003..	10 800	562 467	6 410	13 208	264 973	6 501 484	3 422 304	9 961 731	6	2
		2002..	10 569	552 769	6 109	12 618	258 580	5 875 134	3 105 430	9 087 001	X	X
325320	Pesticide and other agricultural chemical manufacturing	2005..	10 383	589 758	6 154	12 727	283 808	9 495 840	4 694 545	14 074 012	4	2
		2004..	10 659	604 104	6 269	13 170	270 870	7 473 814	3 867 317	11 353 012	4	2
		2003..	10 800	562 467	6 410	13 208	264 973	6 501 484	3 422 304	9 961 731	6	2
		2002..	10 569	552 769	6 109	12 618	258 580	5 875 134	3 105 430	9 087 001	X	X
3254	Pharmaceutical and medicine manufacturing	2005..	236 049	15 684 247	113 397	227 653	5 495 994	124 586 044	42 349 636	165 969 281	1	1
		2004..	234 420	14 613 548	112 828	224 406	5 134 679	118 599 869	40 314 590	157 609 598	1	1
		2003..	243 111	14 353 530	119 657	233 845	5 294 639	115 012 844	38 195 182	151 926 891	1	2
		2002..	249 222	13 802 955	116 394	230 943	4 995 345	104 300 076	38 902 743	142 977 563	X	X
32541	Pharmaceutical and medicine manufacturing	2005..	236 049	15 684 247	113 397	227 653	5 495 994	124 586 044	42 349 636	165 969 281	1	1
		2004..	234 420	14 613 548	112 828	224 406	5 134 679	118 599 869	40 314 590	157 609 598	1	1
		2003..	243 111	14 353 530	119 657	233 845	5 294 639	115 012 844	38 195 182	151 926 891	1	2
		2002..	249 222	13 802 955	116 394	230 943	4 995 345	104 300 076	38 902 743	142 977 563	X	X
325411	Medicinal and botanical manufacturing	2005..	20 441	1 392 406	10 606	20 881	539 024	5 708 987	3 769 613	9 642 899	2	2
		2004..	21 122	1 350 742	10 623	21 377	540 531	6 668 221	3 846 704	10 599 413	1	3
		2003..	20 477	1 131 010	11 067	21 880	492 605	7 137 763	3 890 350	10 947 090	1	2
		2002..	20 605	1 100 937	10 938	21 536	495 449	7 955 203	4 313 368	12 242 919	X	X
325412	Pharmaceutical preparation manufacturing	2005..	165 921	11 049 326	81 917	165 022	3 886 707	102 136 372	32 527 834	133 668 095	2	1
		2004..	163 327	10 114 848	81 280	161 292	3 547 308	96 890 318	30 998 436	126 762 621	1	1
		2003..	170 248	10 056 554	86 088	166 986	3 706 211	94 842 686	29 290 426	123 032 014	2	2
		2002..	176 737	9 875 165	82 470	164 961	3 500 805	84 611 875	29 955 836	114 665 643	X	X
325413	In-vitro diagnostic substance manufacturing	2005..	26 324	1 870 202	9 211	18 617	480 984	7 618 123	3 009 632	10 697 172	1	2
		2004..	27 294	1 808 957	9 586	19 205	493 837	7 459 726	2 750 794	10 139 701	1	2
		2003..	28 901	1 846 471	10 763	21 529	568 856	6 483 010	2 280 614	8 771 479	1	1
		2002..	27 233	1 521 088	10 271	20 315	466 371	5 727 462	2 048 423	7 810 480	X	X
325414	Biological product (except diagnostic) manufacturing	2005..	23 362	1 372 313	11 663	23 133	589 279	9 122 562	3 042 558	11 961 116	2	6
		2004..	22 678	1 339 002	11 339	22 533	553 004	7 581 604	2 718 656	10 107 863	1	5
		2003..	23 485	1 319 495	11 739	23 450	526 966	6 549 385	2 733 791	9 176 308	1	1
		2002..	24 647	1 305 765	12 715	24 131	532 720	6 005 536	2 585 116	8 258 521	X	X
3255	Paint, coating, and adhesive manufacturing	2005..	60 121	3 050 958	34 517	71 979	1 399 014	17 107 027	15 787 569	32 802 471	1	2
		2004..	62 279	3 056 832	35 171	73 522	1 408 073	15 861 444	14 544 790	30 322 594	1	2
		2003..	65 811	3 028 996	38 183	78 473	1 358 284	14 305 544	13 750 512	28 061 653	1	2
		2002..	67 600	2 997 339	38 370	75 922	1 332 203	13 341 216	14 004 638	27 381 892	X	X
32551	Paint and coating manufacturing	2005..	39 779	2 040 346	21 751	44 840	912 206	12 684 316	11 180 291	23 818 561	2	2
		2004..	41 547	2 032 404	22 480	46 074	912 767	11 677 610	10 482 841	22 113 218	2	3
		2003..	44 852	2 056 323	24 691	50 593	874 462	9 827 573	9 827 957	20 123 925	1	1
		2002..	46 347	2 051 902	25 261	49 593	876 536	9 533 554	10 321 918	19 917 828	X	X
325510	Paint and coating manufacturing	2005..	39 779	2 040 346	21 751	44 840	912 206	12 684 316	11 180 291	23 818 561	2	2
		2004..	41 547	2 032 404	22 480	46 074	912 767	11 677 610	10 482 841	22 113 218	2	3
		2003..	44 852	2 056 323	24 691	50 593	874 462	9 827 573	9 827 957	20 123 925	1	1
		2002..	46 347	2 051 902	25 261	49 593	876 536	9 533 554	10 321 918	19 917 828	X	X
32552	Adhesive manufacturing	2005..	20 342	1 010 612	12 766	27 140	486 808	4 422 711	4 607 278	8 983 910	1	4
		2004..	20 732	1 024 428	12 692	27 448	495 305	4 183 834	4 061 949	8 209 376	1	1
		2003..	20 959	972 672	13 492	27 880	483 821	4 041 971	3 922 555	7 937 728	2	5
		2002..	21 253	945 437	13 109	26 329	455 667	3 807 662	3 682 720	7 464 064	X	X
325520	Adhesive manufacturing	2005..	20 342	1 010 612	12 766	27 140	486 808	4 422 711	4 607 278	8 983 910	1	4
		2004..	20 732	1 024 428	12 692	27 448	495 305	4 183 834	4 061 949	8 209 376	1	1
		2003..	20 959	972 672	13 492	27 880	483 821	4 041 971	3 922 555	7 937 728	2	5
		2002..	21 253	945 437	13 109	26 329	455 667	3 807 662	3 682 720	7 464 064	X	X
3256	Soap, cleaning compound, and toilet preparation manufacturing	2005..	98 385	4 977 171	60 906	125 234	2 606 262	43 528 619	34 270 213	77 352 430	2	1
		2004..	99 827	4 822 148	61 488	127 124	2 480 551	40 259 451	29 908 866	69 843 662	1	1
		2003..	110 443	5 062 487	71 137	142 312	2 614 034	36 867 903	25 310 489	61 967 536	2	1
		2002..	115 430	4 969 850	71 440	140 427	2 500 769	40 771 790	23 209 071	64 055 431	X	X
32561	Soap and cleaning compound manufacturing	2005..	44 839	2 244 507	27 904	58 368	1 259 582	20 821 435	17 133 075	37 801 183	1	1
		2004..	45 814	2 202 258	27 414	57 317	1 171 025	19 209 434	14 892 828	33 976 326	1	1
		2003..	48 388	2 282 365	29 399	62 191	1 174 228	16 540 357	13 772 577	30 268 772	2	1
		2002..	48 659	2 219 966	28 630	57 630	1 137 674	18 082 637	12 730 243	30 860 271	X	X
32561M	Soap and cleaning compound manufacturing	2005..	44 839	2 244 507	27 904	58 368	1 259 582	20 821 435	17 133 075	37 801 183	1	1
		2004..	45 814	2 202 258	27 414	57 317	1 171 025	19 209 434	14 892 828	33 976 326	1	1
		2003..	48 388	2 282 365	29 399	62 191	1 174 228	16 540 357	13 772 577	30 268 772	2	1
		2002..	48 659	2 219 966	28 630	57 630	1 137 674	18 082 637	12 730 243	30 860 271	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
325	Chemical manufacturing—Con.										
3256	Soap, cleaning compound, and toilet preparation manufacturing—Con.										
32562	Toilet preparation manufacturing	2005..	53 546	2 732 664	33 002	66 866	1 346 679	22 707 184	17 137 138	39 551 247	3 1
		2004..	54 013	2 619 890	34 074	69 806	1 309 526	21 050 017	15 016 038	35 867 336	2 1
		2003..	62 055	2 780 122	41 738	80 121	1 439 806	20 327 546	11 537 913	31 698 765	2 1
		2002..	66 771	2 749 884	42 810	82 797	1 363 095	22 689 153	10 478 828	33 195 160	X X
325620	Toilet preparation manufacturing	2005..	53 546	2 732 664	33 002	66 866	1 346 679	22 707 184	17 137 138	39 551 247	3 1
		2004..	54 013	2 619 890	34 074	69 806	1 309 526	21 050 017	15 016 038	35 867 336	2 1
		2003..	62 055	2 780 122	41 738	80 121	1 439 806	20 327 546	11 537 913	31 698 765	2 1
		2002..	66 771	2 749 884	42 810	82 797	1 363 095	22 689 153	10 478 828	33 195 160	X X
3259	Other chemical product and preparation manufacturing	2005..	97 193	4 814 248	55 699	114 479	2 345 432	20 407 933	20 430 952	40 700 753	3 1
		2004..	101 662	4 862 325	57 464	116 344	2 353 035	19 237 487	19 576 866	38 744 230	2 1
		2003..	113 618	5 386 483	65 458	129 754	2 601 888	19 197 453	19 805 209	39 185 433	1 1
		2002..	108 394	5 220 124	64 971	130 698	2 558 681	20 204 439	18 792 307	39 060 059	X X
32591	Printing ink manufacturing	2005..	12 148	588 082	7 227	14 999	286 557	2 050 795	3 071 739	5 086 678	3 4
		2004..	12 875	613 528	7 631	15 834	301 591	1 956 115	2 862 043	4 802 181	2 2
		2003..	12 085	584 171	6 849	14 501	278 947	1 878 334	2 345 954	4 260 171	3 3
		2002..	12 394	589 612	6 830	13 962	274 562	2 021 098	2 357 855	4 369 801	X X
325910	Printing ink manufacturing	2005..	12 148	588 082	7 227	14 999	286 557	2 050 795	3 071 739	5 086 678	3 4
		2004..	12 875	613 528	7 631	15 834	301 591	1 956 115	2 862 043	4 802 181	2 2
		2003..	12 085	584 171	6 849	14 501	278 947	1 878 334	2 345 954	4 260 171	3 3
		2002..	12 394	589 612	6 830	13 962	274 562	2 021 098	2 357 855	4 369 801	X X
32592	Explosives manufacturing	2005..	5 566	255 685	3 694	7 648	135 286	577 580	610 429	1 190 099	3 2
		2004..	5 234	233 418	3 707	7 781	143 687	578 825	491 700	1 063 927	2 2
		2003..	5 534	224 101	3 876	8 068	129 471	607 296	409 552	1 018 023	7 7
		2002..	5 721	231 263	4 153	7 679	138 587	600 090	414 775	1 027 797	X X
325920	Explosives manufacturing	2005..	5 566	255 685	3 694	7 648	135 286	577 580	610 429	1 190 099	3 2
		2004..	5 234	233 418	3 707	7 781	143 687	578 825	491 700	1 063 927	2 2
		2003..	5 534	224 101	3 876	8 068	129 471	607 296	409 552	1 018 023	7 7
		2002..	5 721	231 263	4 153	7 679	138 587	600 090	414 775	1 027 797	X X
32599	All other chemical product and preparation manufacturing	2005..	79 479	3 970 481	44 778	91 832	1 923 589	17 779 558	16 748 784	34 423 976	3 1
		2004..	83 553	4 015 380	46 126	92 730	1 907 757	16 702 547	16 223 122	32 878 122	3 1
		2003..	95 999	4 578 212	54 733	107 185	2 193 470	16 711 823	17 049 702	33 907 240	1 1
		2002..	90 279	4 399 249	53 988	109 057	2 145 532	17 583 251	16 019 677	33 662 461	X X
325991	Custom compounding of purchased resins	2005..	20 167	972 143	13 500	28 800	531 430	3 847 636	5 739 840	9 537 802	2 2
		2004..	20 982	963 798	13 687	29 262	516 726	3 210 563	5 209 560	8 344 714	2 2
		2003..	23 191	1 029 267	15 327	31 385	539 355	2 969 481	4 894 978	7 918 276	1 3
		2002..	21 463	912 655	13 944	28 714	490 936	3 074 791	4 376 791	7 385 935	X X
32599N	All other miscellaneous chemical product and preparation manufacturing (including photographic)	2005..	59 312	2 998 338	31 277	63 033	1 392 158	13 931 922	11 008 944	24 886 174	4 1
		2004..	62 571	3 051 582	32 440	63 468	1 391 031	13 491 985	11 013 562	24 533 408	4 1
		2003..	72 808	3 548 945	39 406	75 800	1 654 114	13 742 342	12 154 724	25 988 964	1 1
		2002..	68 816	3 486 594	40 044	80 343	1 654 596	14 508 460	11 642 886	26 276 526	X X
326	Plastics and rubber products manufacturing	2005..	885 440	33 155 605	688 014	1 436 533	22 152 286	96 348 020	104 958 140	200 488 728	1 1
		2004..	891 940	32 393 086	690 669	1 436 307	21 747 048	93 150 567	92 263 859	184 710 503	1 1
		2003..	944 936	32 593 846	739 847	1 509 409	21 844 838	92 284 848	86 213 142	178 327 425	1 1
		2002..	985 909	32 683 597	767 785	1 520 645	21 879 554	92 550 548	82 278 150	174 675 372	X X
3261	Plastics product manufacturing	2005..	727 702	26 397 646	563 619	1 179 569	17 322 501	78 945 804	85 656 960	163 926 636	1 1
		2004..	733 155	25 752 577	566 699	1 176 826	17 000 524	75 853 482	74 675 740	149 965 287	1 1
		2003..	775 561	25 849 997	607 427	1 238 596	17 047 562	74 901 320	70 303 969	144 971 973	1 1
		2002..	805 781	25 869 569	626 895	1 236 688	17 027 025	75 393 550	66 659 460	141 896 335	X X
32611	Unsupported plastics film, sheet, and bag manufacturing	2005..	99 094	4 261 963	75 579	164 770	2 857 501	14 474 687	18 155 896	32 478 893	1 1
		2004..	100 469	4 194 591	76 286	167 864	2 832 690	13 466 827	15 350 854	28 716 272	1 1
		2003..	109 465	4 322 333	84 452	178 279	2 905 165	13 621 670	15 066 019	28 640 936	2 1
		2002..	113 822	4 300 033	88 167	177 894	2 879 953	13 868 464	14 256 964	28 112 288	X X
326111	Plastics bag manufacturing	2005..	31 758	1 235 360	25 116	55 387	861 929	4 022 991	4 933 176	8 895 709	1 1
		2004..	31 937	1 212 283	25 094	55 513	849 534	4 058 019	4 125 891	8 135 564	1 1
		2003..	34 087	1 215 426	27 113	60 570	861 822	4 039 288	3 974 045	8 025 907	1 2
		2002..	33 816	1 143 058	27 114	55 849	798 017	3 752 137	3 601 034	7 337 433	X X
326112	Plastics packaging film and sheet (including laminated) manufacturing	2005..	23 324	1 034 728	18 352	38 975	720 710	3 890 730	4 115 919	7 975 119	1 1
		2004..	23 188	1 003 862	18 144	39 357	700 512	3 397 424	3 470 169	6 861 394	1 1
		2003..	23 888	999 146	18 860	40 131	702 262	3 320 569	3 495 874	6 788 212	1 2
		2002..	24 492	1 018 793	19 228	40 328	716 755	3 227 474	3 273 051	6 511 144	X X
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2005..	44 011	1 991 875	32 111	70 408	1 274 862	6 560 966	9 106 801	15 608 064	2 2
		2004..	45 344	1 978 446	33 048	72 994	1 282 644	6 011 384	7 754 794	13 719 315	2 2
		2003..	51 490	2 107 762	38 479	77 577	1 341 081	6 261 813	7 596 101	13 826 817	3 2
		2002..	55 514	2 138 182	41 825	81 717	1 365 181	6 888 853	7 382 879	14 263 711	X X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—		
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F	
												A
326	Plastics and rubber products manufacturing—Con.											
3262	Rubber product manufacturing—Con.											
32622	Rubber and plastics hoses and belting manufacturing	20 958	810 183	16 315	34 378	541 278	2 221 150	2 323 167	4 522 358	2	2	
		21 570	806 909	16 566	34 864	537 242	2 103 994	2 089 252	4 177 637	1	1	
		22 376	781 871	17 100	35 305	526 698	2 111 508	1 846 437	3 992 700	1	1	
		2002..	23 597	798 747	18 115	36 059	530 664	2 121 044	1 914 536	4 039 105	X	X
326220	Rubber and plastics hoses and belting manufacturing	20 958	810 183	16 315	34 378	541 278	2 221 150	2 323 167	4 522 358	2	2	
		21 570	806 909	16 566	34 864	537 242	2 103 994	2 089 252	4 177 637	1	1	
		22 376	781 871	17 100	35 305	526 698	2 111 508	1 846 437	3 992 700	1	1	
		2002..	23 597	798 747	18 115	36 059	530 664	2 121 044	1 914 536	4 039 105	X	X
32629	Other rubber product manufacturing	74 972	2 786 616	57 693	117 273	1 840 884	7 693 198	8 047 957	15 665 107	3	3	
		74 700	2 718 938	56 922	120 630	1 793 641	7 262 916	7 494 611	14 706 337	3	2	
		81 137	2 809 744	62 671	129 952	1 851 574	7 262 878	6 737 420	14 011 209	1	1	
		2002..	87 275	2 864 466	67 008	134 719	1 885 247	7 357 599	6 644 366	13 996 451	X	X
32629M	Other rubber product manufacturing	74 972	2 786 616	57 693	117 273	1 840 884	7 693 198	8 047 957	15 665 107	3	3	
		74 700	2 718 938	56 922	120 630	1 793 641	7 262 916	7 494 611	14 706 337	3	2	
		81 137	2 809 744	62 671	129 952	1 851 574	7 262 878	6 737 420	14 011 209	1	1	
		2002..	87 275	2 864 466	67 008	134 719	1 885 247	7 357 599	6 644 366	13 996 451	X	X
327	Nonmetallic mineral product manufacturing	464 938	19 146 522	359 675	774 949	13 343 890	64 545 108	50 014 273	114 320 662	1	1	
		458 457	18 273 577	354 445	762 069	12 745 717	59 290 855	43 764 370	102 879 645	1	1	
		463 158	17 752 261	361 652	761 714	12 521 398	55 211 716	41 735 132	96 944 634	1	1	
		2002..	482 672	17 910 511	375 005	765 162	12 525 866	54 764 960	40 465 791	95 063 864	X	X
3271	Clay product and refractory manufacturing	52 327	1 938 633	41 531	84 698	1 350 106	5 952 257	3 115 258	9 002 865	1	1	
		54 160	1 914 809	42 524	86 400	1 320 876	5 568 039	2 891 854	8 429 450	1	1	
		57 253	1 928 077	45 638	93 062	1 343 441	5 365 310	2 855 173	8 213 656	1	2	
		2002..	60 570	2 033 150	47 765	97 018	1 400 190	5 449 685	2 904 649	8 300 253	X	X
32711	Pottery, ceramics, and plumbing fixture manufacturing	22 652	795 716	17 929	34 848	557 839	2 172 581	917 663	3 078 324	3	2	
		24 600	836 977	19 320	37 590	575 353	2 082 767	965 039	3 065 992	2	2	
		26 240	842 085	20 890	41 669	582 546	2 120 550	980 125	3 081 960	2	1	
		2002..	29 637	965 849	23 512	47 816	661 933	2 208 533	1 128 270	3 325 350	X	X
327111	Vitreous china plumbing fixture and china and earthenware bathroom accessories manufacturing	6 704	244 929	5 582	11 626	190 339	954 080	262 423	1 179 468	3	2	
		6 902	244 305	5 625	11 541	186 072	795 722	250 864	1 056 825	2	2	
		7 153	236 279	6 096	12 586	192 853	824 806	244 130	1 048 918	1	1	
		2002..	8 054	282 537	6 717	14 010	220 410	835 905	309 810	1 136 525	X	X
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	9 432	288 448	7 386	12 311	197 838	624 713	260 204	904 960	6	5	
		10 775	319 345	8 337	14 539	215 552	621 258	305 225	926 669	4	4	
		11 045	296 664	8 892	16 984	204 183	611 367	327 526	926 776	3	4	
		2002..	12 683	336 124	10 197	19 895	236 274	625 926	374 335	1 006 769	X	X
327113	Porcelain electrical supply manufacturing	6 516	262 339	4 962	10 911	169 662	593 787	395 037	993 896	4	5	
		6 923	273 327	5 358	11 510	173 729	665 787	408 950	1 082 498	2	3	
		8 042	309 142	5 901	12 099	185 510	684 378	408 468	1 106 266	2	2	
		2002..	8 900	347 188	6 598	13 911	205 249	746 702	444 125	1 182 056	X	X
32712	Clay building material and refractories manufacturing	29 676	1 142 918	23 602	49 850	792 268	3 779 676	2 197 595	5 924 540	1	2	
		29 560	1 077 833	23 203	48 809	745 523	3 485 271	1 926 815	5 363 457	1	1	
		31 013	1 085 992	24 748	51 393	760 895	3 244 760	1 875 048	5 131 696	1	3	
		2002..	30 933	1 067 301	24 253	49 202	738 257	1 776 379	4 974 903	X	X	
327121	Brick and structural clay tile manufacturing	12 966	462 604	10 617	23 398	333 699	1 573 382	787 661	2 328 809	1	3	
		12 995	437 482	10 742	23 306	321 124	1 493 262	646 290	2 121 768	1	2	
		13 465	435 942	11 328	23 893	325 662	1 380 826	555 725	1 938 818	1	2	
		2002..	13 208	429 924	10 788	22 045	314 564	1 383 086	511 589	1 848 490	X	X
327122	Ceramic wall and floor tile manufacturing	5 979	204 801	4 971	9 979	149 709	705 894	369 938	1 078 518	1	2	
		6 101	204 863	4 953	9 835	144 887	708 395	331 405	1 022 959	1	3	
		6 650	210 321	5 544	11 207	157 293	654 094	339 400	987 783	1	1	
		2002..	6 482	202 466	5 316	10 604	146 732	659 874	320 685	978 394	X	X
327123	Other structural clay product manufacturing	1 531	56 684	1 232	2 766	40 528	149 911	70 148	220 199	1	2	
		1 468	51 969	1 132	2 626	35 875	141 283	58 114	199 929	1	3	
		1 585	53 459	1 229	2 658	37 402	143 254	62 358	204 412	1	1	
		2002..	1 628	53 796	1 266	2 657	37 835	58 764	195 277	X	X	
32712N	Refractory manufacturing	9 201	418 829	6 782	13 707	268 332	1 350 488	969 847	2 297 014	4	3	
		8 996	383 518	6 377	13 043	243 656	1 142 331	891 006	2 018 801	3	2	
		9 313	386 269	6 647	13 635	240 538	1 066 587	917 565	2 000 683	4	7	
		2002..	9 615	381 115	6 883	13 896	239 126	1 059 003	885 341	1 952 742	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
331	Primary metal manufacturing—Con.										
3312	Steel product manufacturing from purchased steel—Con.										
33121	Iron and steel pipe and tube manufacturing from purchased steel.....	20 025	924 495	15 266	34 290	631 616	3 223 345	5 743 539	8 812 135	1	1
	2004..	20 180	872 493	15 351	33 893	611 669	3 112 145	4 669 802	7 572 406	1	1
	2003..	20 953	838 479	16 302	35 042	596 773	1 979 947	3 641 703	5 646 647	2	3
	2002..	22 301	899 298	17 147	36 834	629 336	2 372 127	3 717 370	6 113 542	X	X
331210	Iron and steel pipe and tube manufacturing from purchased steel.....	20 025	924 495	15 266	34 290	631 616	3 223 345	5 743 539	8 812 135	1	1
	2004..	20 180	872 493	15 351	33 893	611 669	3 112 145	4 669 802	7 572 406	1	1
	2003..	20 953	838 479	16 302	35 042	596 773	1 979 947	3 641 703	5 646 647	2	3
	2002..	22 301	899 298	17 147	36 834	629 336	2 372 127	3 717 370	6 113 542	X	X
33122	Rolling and drawing of purchased steel.....	23 419	1 088 706	18 407	38 505	767 368	3 960 449	7 269 156	11 206 615	3	2
	2004..	24 299	1 098 754	18 928	38 909	778 344	3 767 615	6 394 722	9 903 733	2	2
	2003..	27 856	1 141 101	21 672	45 335	801 935	3 081 565	5 162 887	8 272 795	1	2
	2002..	30 505	1 241 252	23 786	49 487	877 753	3 271 575	5 320 781	8 555 396	X	X
33122M	Rolling and drawing of purchased steel.....	23 419	1 088 706	18 407	38 505	767 368	3 960 449	7 269 156	11 206 615	3	2
	2004..	24 299	1 098 754	18 928	38 909	778 344	3 767 615	6 394 722	9 903 733	2	2
	2003..	27 856	1 141 101	21 672	45 335	801 935	3 081 565	5 162 887	8 272 795	1	2
	2002..	30 505	1 241 252	23 786	49 487	877 753	3 271 575	5 320 781	8 555 396	X	X
3313	Alumina and aluminum production and processing.....	64 635	3 077 971	49 810	113 606	2 143 599	10 194 707	26 421 987	36 459 647	1	1
	2004..	63 767	2 947 400	49 055	111 877	2 036 714	9 520 123	22 359 629	31 584 035	1	1
	2003..	68 336	2 935 046	52 419	116 392	2 011 946	8 462 182	19 297 625	27 527 810	1	1
	2002..	70 381	3 089 607	53 663	112 780	2 133 265	9 408 149	18 941 929	28 276 285	X	X
33131	Alumina and aluminum production and processing.....	64 635	3 077 971	49 810	113 606	2 143 599	10 194 707	26 421 987	36 459 647	1	1
	2004..	63 767	2 947 400	49 055	111 877	2 036 714	9 520 123	22 359 629	31 584 035	1	1
	2003..	68 336	2 935 046	52 419	116 392	2 011 946	8 462 182	19 297 625	27 527 810	1	1
	2002..	70 381	3 089 607	53 663	112 780	2 133 265	9 408 149	18 941 929	28 276 285	X	X
331311	Alumina refining.....	1 696	101 441	1 224	2 670	62 827	489 159	769 594	1 243 893	1	1
	2004..	1 584	86 516	1 118	2 466	54 721	407 151	609 509	1 014 795	1	1
	2003..	1 644	87 909	1 122	2 730	55 506	140 409	674 336	809 362	1	3
	2002..	1 554	89 451	1 149	2 633	60 510	260 084	576 901	830 110	X	X
331312	Primary aluminum production.....	8 737	457 222	6 856	14 432	332 687	1 773 304	3 041 761	4 864 591	1	1
	2004..	10 030	522 167	7 894	16 864	379 630	2 166 728	3 030 407	5 127 995	1	1
	2003..	11 029	541 329	8 532	17 995	389 590	1 667 040	2 837 045	4 528 226	1	1
	2002..	12 085	627 391	9 250	19 024	464 209	1 769 112	2 874 429	4 724 242	X	X
331314	Secondary smelting and alloying of aluminum.....	6 781	337 751	5 042	11 524	225 462	1 157 251	4 275 683	5 418 635	2	5
	2004..	5 925	265 094	4 383	10 461	176 604	817 711	3 437 565	4 231 724	3	7
	2003..	6 411	258 181	4 841	11 140	174 914	653 848	3 121 046	3 760 272	4	2
	2002..	5 808	251 032	4 180	9 073	158 423	716 203	2 921 038	3 657 943	X	X
331316	Aluminum extruded product manufacturing.....	26 175	1 032 686	20 477	47 041	726 070	2 504 845	5 602 931	8 020 843	1	1
	2004..	25 719	983 941	20 281	45 488	683 086	2 415 010	4 194 760	6 553 474	1	1
	2003..	27 286	1 006 565	21 508	48 567	689 003	2 225 884	3 512 652	5 733 877	2	2
	2002..	27 991	1 004 976	22 006	45 572	684 847	2 335 957	3 435 994	5 777 832	X	X
33131N	Aluminum rolling and drawing.....	21 246	1 148 871	16 211	37 939	796 552	4 270 148	12 732 017	16 911 685	1	3
	2004..	20 510	1 089 682	15 378	36 598	742 674	3 713 524	11 087 387	14 656 048	1	1
	2003..	21 965	1 041 062	16 416	35 961	702 934	3 775 002	9 152 546	12 696 073	1	1
	2002..	22 943	1 116 757	17 078	36 478	765 276	4 326 793	9 133 567	13 286 158	X	X
3314	Nonferrous metal (except aluminum) production and processing.....	56 248	2 743 363	40 582	86 859	1 744 316	10 438 051	22 582 791	32 464 804	1	1
	2004..	56 957	2 666 322	41 066	88 485	1 694 134	9 588 877	18 092 382	27 250 089	1	1
	2003..	60 981	2 672 804	44 009	93 285	1 701 572	8 055 551	14 073 427	22 166 689	1	2
	2002..	66 780	2 859 322	48 167	98 775	1 808 947	7 893 416	13 985 236	22 050 687	X	X
33141	Nonferrous metal (except aluminum) smelting and refining.....	8 397	433 938	5 740	12 631	262 893	2 718 423	4 560 117	7 218 170	3	1
	2004..	8 127	419 654	5 635	12 506	250 866	2 429 228	4 049 821	6 357 164	3	1
	2003..	8 646	414 340	5 976	12 936	250 754	1 660 482	3 147 567	4 790 900	1	1
	2002..	10 484	482 516	7 198	15 006	295 098	1 767 883	3 150 549	4 958 460	X	X
331411	Primary smelting and refining of copper.....	1 371	65 872	1 101	2 369	49 324	1 356 569	2 498 541	3 817 874	1	1
	2004..	1 424	66 492	1 158	2 539	51 724	1 302 055	2 233 317	3 439 240	1	1
	2003..	1 469	64 482	1 187	2 586	49 810	655 030	1 704 694	2 314 119	1	1
	2002..	2 672	110 727	2 169	4 443	84 375	787 249	1 772 004	2 615 052	X	X
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum).....	7 026	368 066	4 639	10 262	213 569	1 361 854	2 061 576	3 400 296	4	2
	2004..	6 703	353 162	4 777	9 967	199 142	1 127 173	1 816 504	2 917 924	4	3
	2003..	7 177	349 858	4 789	10 350	200 944	1 005 452	1 442 872	2 476 781	2	2
	2002..	7 812	371 789	5 029	10 563	210 723	980 634	1 378 545	2 343 408	X	X
33142	Copper rolling, drawing, extruding, and alloying.....	24 429	1 097 294	18 579	40 100	741 583	2 952 796	13 145 666	15 968 022	1	1
	2004..	25 278	1 118 371	19 278	41 287	756 777	3 563 620	10 102 159	13 487 740	1	1
	2003..	27 148	1 136 653	20 507	43 384	753 347	3 255 811	7 189 383	10 397 737	1	2
	2002..	29 897	1 208 741	22 539	46 096	789 682	3 136 591	7 036 637	10 203 017	X	X

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Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
332	Fabricated metal product manufacturing—Con.										
3322	Cutlery and handtool manufacturing—Con.										
33221	Cutlery and hand tool manufacturing	2005..	52 330	2 178 475	37 566	75 509	1 278 841	6 234 183	4 449 976	10 680 091	2 2
		2004..	54 424	2 159 110	39 236	77 888	1 290 940	6 024 330	3 953 612	9 966 174	2 1
		2003..	60 472	2 274 733	44 610	86 912	1 376 311	6 421 828	4 067 606	10 498 442	1 1
		2002..	64 599	2 401 437	47 211	93 453	1 437 577	6 745 883	4 316 708	11 034 665	X X
33221N	Cutlery, kitchen utensil, pot, and pan manufacturing	2005..	9 749	425 069	7 250	14 577	264 706	1 695 894	1 456 999	3 190 993	1 1
		2004..	10 555	453 726	7 781	15 509	281 696	1 692 815	1 189 841	2 876 223	1 1
		2003..	13 065	523 598	10 019	19 341	335 989	1 963 824	1 410 363	3 364 551	2 2
		2002..	13 083	526 580	9 847	18 954	327 710	1 935 990	1 392 109	3 301 854	X X
33221P	Hand tool and saw blade manufacturing	2005..	42 581	1 753 406	30 317	60 932	1 014 135	4 538 289	2 992 977	7 489 098	3 2
		2004..	43 868	1 705 384	31 455	62 379	1 009 244	4 331 515	2 763 771	7 089 951	3 2
		2003..	47 408	1 751 134	34 592	67 571	1 040 322	4 458 004	2 657 243	7 133 891	1 1
		2002..	51 516	1 874 857	37 364	74 499	1 109 867	4 809 893	2 924 599	7 732 811	X X
3323	Architectural and structural metals manufacturing	2005..	355 227	13 825 431	252 862	527 254	8 386 022	36 072 025	37 821 684	73 556 812	1 1
		2004..	362 297	13 368 958	259 355	531 311	8 185 751	32 452 351	32 598 652	64 620 210	2 1
		2003..	370 656	13 140 293	266 970	544 120	8 054 523	30 080 705	28 967 790	59 027 157	1 1
		2002..	386 715	13 449 222	277 674	550 027	8 189 871	31 238 809	28 757 402	59 945 410	X X
33231	Plate work and fabricated structural product manufacturing ...	2005..	141 407	5 894 032	99 696	209 532	3 611 313	16 597 812	18 412 142	34 757 918	2 2
		2004..	147 874	5 746 819	105 238	214 739	3 560 209	14 187 708	15 564 142	29 671 770	4 3
		2003..	152 834	5 752 612	106 837	218 561	3 494 700	13 380 462	13 898 346	27 207 800	1 2
		2002..	162 832	6 015 105	114 829	230 584	3 653 990	14 169 868	13 991 178	28 070 900	X X
33231M	Plate work and fabricated structural product manufacturing	2005..	141 407	5 894 032	99 696	209 532	3 611 313	16 597 812	18 412 142	34 757 918	2 2
		2004..	147 874	5 746 819	105 238	214 739	3 560 209	14 187 708	15 564 142	29 671 770	4 3
		2003..	152 834	5 752 612	106 837	218 561	3 494 700	13 380 462	13 898 346	27 207 800	1 2
		2002..	162 832	6 015 105	114 829	230 584	3 653 990	14 169 868	13 991 178	28 070 900	X X
33232	Ornamental and architectural metal work manufacturing	2005..	213 820	7 931 399	153 166	317 723	4 774 710	19 474 214	19 409 542	38 798 894	1 2
		2004..	214 424	7 622 139	154 117	316 572	4 625 542	18 264 644	17 034 510	34 948 441	1 1
		2003..	217 822	7 387 681	160 133	325 559	4 559 822	16 700 244	15 069 444	31 819 357	1 1
		2002..	223 883	7 434 117	162 845	319 443	4 535 881	17 068 941	14 766 224	31 874 510	X X
33232M	Ornamental and architectural metal work manufacturing	2005..	213 820	7 931 399	153 166	317 723	4 774 710	19 474 214	19 409 542	38 798 894	1 2
		2004..	214 424	7 622 139	154 117	316 572	4 625 542	18 264 644	17 034 510	34 948 441	1 1
		2003..	217 822	7 387 681	160 133	325 559	4 559 822	16 700 244	15 069 444	31 819 357	1 1
		2002..	223 883	7 434 117	162 845	319 443	4 535 881	17 068 941	14 766 224	31 874 510	X X
3324	Boiler, tank, and shipping container manufacturing	2005..	81 133	3 592 391	61 240	128 116	2 430 022	10 466 513	14 567 019	24 939 832	1 1
		2004..	82 985	3 539 716	61 812	128 840	2 374 139	10 272 717	13 012 867	23 179 072	1 1
		2003..	84 856	3 538 698	65 192	138 968	2 412 778	10 231 280	12 490 421	22 723 116	1 2
		2002..	88 628	3 536 610	67 468	139 385	2 397 940	10 183 391	12 713 133	22 983 749	X X
33241	Power boiler and heat exchanger manufacturing	2005..	16 954	803 416	11 680	24 037	462 172	1 678 261	2 041 006	3 713 832	5 5
		2004..	16 983	748 395	11 534	23 775	433 826	1 633 549	1 593 042	3 221 504	5 4
		2003..	18 824	789 540	13 247	26 911	469 834	1 935 699	1 350 179	3 276 456	2 9
		2002..	19 798	792 802	13 805	28 435	472 798	1 888 967	1 661 805	3 579 486	X X
332410	Power boiler and heat exchanger manufacturing	2005..	16 954	803 416	11 680	24 037	462 172	1 678 261	2 041 006	3 713 832	5 5
		2004..	16 983	748 395	11 534	23 775	433 826	1 633 549	1 593 042	3 221 504	5 4
		2003..	18 824	789 540	13 247	26 911	469 834	1 935 699	1 350 179	3 276 456	2 9
		2002..	19 798	792 802	13 805	28 435	472 798	1 888 967	1 661 805	3 579 486	X X
33242	Metal tank (heavy gauge) manufacturing	2005..	28 975	1 224 265	21 686	43 892	794 491	2 933 902	2 594 415	5 469 045	2 3
		2004..	29 752	1 208 578	21 527	42 911	770 338	2 686 707	2 282 980	4 894 819	2 2
		2003..	29 377	1 156 241	21 717	44 028	746 353	2 656 532	2 097 258	4 726 287	2 2
		2002..	30 556	1 170 531	22 448	44 766	751 566	2 557 904	2 133 371	4 711 618	X X
332420	Metal tank (heavy gauge) manufacturing	2005..	28 975	1 224 265	21 686	43 892	794 491	2 933 902	2 594 415	5 469 045	2 3
		2004..	29 752	1 208 578	21 527	42 911	770 338	2 686 707	2 282 980	4 894 819	2 2
		2003..	29 377	1 156 241	21 717	44 028	746 353	2 656 532	2 097 258	4 726 287	2 2
		2002..	30 556	1 170 531	22 448	44 766	751 566	2 557 904	2 133 371	4 711 618	X X
33243	Metal can, box, and other metal container (light gauge) manufacturing	2005..	35 204	1 564 710	27 874	60 186	1 173 359	5 854 350	9 931 598	15 756 956	2 1
		2004..	36 250	1 582 743	28 752	62 154	1 169 975	5 952 462	9 136 845	15 062 750	1 1
		2003..	36 655	1 592 918	30 228	68 029	1 196 590	5 639 049	9 042 985	14 720 373	1 1
		2002..	38 274	1 573 277	31 215	66 184	1 173 576	5 736 520	8 917 957	14 692 645	X X
33243M	Metal can, box, and other metal container (light gauge) manufacturing	2005..	35 204	1 564 710	27 874	60 186	1 173 359	5 854 350	9 931 598	15 756 956	2 1
		2004..	36 250	1 582 743	28 752	62 154	1 169 975	5 952 462	9 136 845	15 062 750	1 1
		2003..	36 655	1 592 918	30 228	68 029	1 196 590	5 639 049	9 042 985	14 720 373	1 1
		2002..	38 274	1 573 277	31 215	66 184	1 173 576	5 736 520	8 917 957	14 692 645	X X

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
333	Machinery manufacturing—Con.										
3333	Commercial and service industry machinery manufacturing—Con.										
33331	Commercial and service industry machinery manufacturing—Con.										
33331N	All other commercial and service industry machinery manufacturing	2005..	58 617	2 605 015	34 372	70 233	1 133 878	7 127 829	6 694 007	13 786 332	1 1
		2004..	57 442	2 443 527	33 888	68 079	1 068 244	6 976 226	6 272 761	13 200 215	1 1
		2003..	60 834	2 499 878	35 734	70 852	1 075 695	7 076 477	5 921 076	13 002 792	2 2
		2002..	64 590	2 560 388	38 170	74 970	1 123 377	6 933 585	6 317 917	13 202 746	X X
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2005..	146 654	5 625 443	106 830	214 960	3 322 748	18 330 754	19 836 035	38 073 166	1 1
		2004..	144 469	5 324 305	104 427	210 590	3 146 827	17 414 554	17 105 122	34 374 127	1 1
		2003..	150 993	5 426 006	109 260	216 001	3 214 315	16 986 703	15 859 757	32 739 570	1 1
		2002..	157 833	5 500 897	113 999	221 560	3 257 887	16 584 751	15 444 989	32 184 808	X X
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2005..	146 654	5 625 443	106 830	214 960	3 322 748	18 330 754	19 836 035	38 073 166	1 1
		2004..	144 469	5 324 305	104 427	210 590	3 146 827	17 414 554	17 105 122	34 374 127	1 1
		2003..	150 993	5 426 006	109 260	216 001	3 214 315	16 986 703	15 859 757	32 739 570	1 1
		2002..	157 833	5 500 897	113 999	221 560	3 257 887	16 584 751	15 444 989	32 184 808	X X
333414	Heating equipment (except warm air furnaces) manufacturing	2005..	20 454	809 126	13 540	27 908	399 135	2 748 448	2 286 643	5 039 362	2 3
		2004..	20 908	785 499	13 893	28 113	388 180	2 537 125	1 953 214	4 449 725	2 2
		2003..	20 291	745 618	13 023	26 562	370 190	2 360 283	1 692 891	4 121 889	1 2
		2002..	22 265	763 148	14 270	28 894	375 761	2 265 448	1 733 250	4 016 955	X X
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	2005..	102 157	3 937 630	75 893	151 139	2 433 701	13 396 975	15 485 060	28 815 585	1 1
		2004..	99 035	3 691 029	73 106	146 526	2 282 900	12 755 219	13 270 820	25 948 889	1 1
		2003..	104 668	3 776 417	77 488	151 451	2 337 830	12 270 227	12 412 982	24 537 261	1 1
		2002..	108 274	3 815 747	80 417	154 495	2 365 288	12 062 400	11 880 464	24 067 362	X X
33341N	Ventilation equipment manufacturing	2005..	24 043	878 687	17 397	35 914	489 911	2 185 331	2 064 332	4 218 219	3 3
		2004..	24 526	847 777	17 428	35 951	475 747	2 122 210	1 881 088	3 975 513	2 3
		2003..	26 033	903 971	18 749	37 988	506 294	2 356 193	1 753 884	4 080 420	2 2
		2002..	27 294	922 002	19 312	38 171	516 838	2 256 903	1 831 275	4 100 491	X X
3335	Metalworking machinery manufacturing	2005..	166 351	8 288 810	115 998	248 860	5 110 541	16 574 257	10 532 433	26 948 901	1 2
		2004..	166 702	7 981 997	114 678	244 380	4 917 536	15 540 290	9 117 633	24 591 591	1 1
		2003..	172 183	7 889 085	119 379	245 586	4 855 745	15 213 991	8 584 814	24 033 167	1 1
		2002..	190 012	8 318 447	130 961	260 588	5 083 625	15 867 926	8 774 772	24 851 955	X X
33351	Metalworking machinery manufacturing	2005..	166 351	8 288 810	115 998	248 860	5 110 541	16 574 257	10 532 433	26 948 901	1 2
		2004..	166 702	7 981 997	114 678	244 380	4 917 536	15 540 290	9 117 633	24 591 591	1 1
		2003..	172 183	7 889 085	119 379	245 586	4 855 745	15 213 991	8 584 814	24 033 167	1 1
		2002..	190 012	8 318 447	130 961	260 588	5 083 625	15 867 926	8 774 772	24 851 955	X X
333511	Industrial mold manufacturing	2005..	41 784	1 967 282	32 061	69 731	1 393 473	3 696 345	1 784 305	5 440 890	2 2
		2004..	41 029	1 882 992	30 882	65 720	1 323 067	3 436 736	1 628 842	5 099 472	1 2
		2003..	41 182	1 880 236	31 435	64 495	1 305 051	3 566 044	1 537 335	5 170 795	1 3
		2002..	45 625	1 995 336	34 629	69 602	1 374 163	3 752 700	1 605 470	5 376 210	X X
333512	Machine tool (metal cutting types) manufacturing	2005..	16 168	910 133	8 678	18 359	399 953	1 909 380	2 280 420	4 110 023	2 3
		2004..	15 913	843 823	8 180	17 569	369 322	1 649 184	1 822 758	3 445 604	2 2
		2003..	16 281	822 492	8 004	17 507	344 615	1 439 823	1 578 117	3 063 363	1 4
		2002..	18 143	864 131	9 326	18 520	366 352	1 481 676	1 554 273	3 108 959	X X
333513	Machine tool (metal forming types) manufacturing	2005..	7 019	362 531	4 635	10 008	195 240	767 024	582 801	1 341 140	4 3
		2004..	6 929	362 806	4 312	9 189	191 464	694 845	518 863	1 197 833	4 4
		2003..	7 673	369 608	4 471	9 215	185 963	658 268	514 681	1 176 022	2 3
		2002..	7 578	355 905	4 357	8 748	180 172	666 950	497 692	1 165 067	X X
333514	Special die and tool, die set, jig, and fixture manufacturing	2005..	54 706	2 788 220	39 302	86 536	1 848 261	5 219 644	2 620 668	7 835 426	2 2
		2004..	53 897	2 629 042	39 214	87 429	1 788 266	4 759 864	2 236 047	7 046 678	1 2
		2003..	54 843	2 561 163	41 020	84 804	1 754 766	4 739 571	2 183 307	6 991 497	1 2
		2002..	60 662	2 651 304	44 641	88 537	1 773 639	4 774 286	2 169 889	6 956 875	X X
333515	Cutting tool and machine tool accessory manufacturing	2005..	33 044	1 447 311	23 289	46 862	863 062	3 197 538	1 706 351	4 927 597	3 3
		2004..	33 819	1 443 498	23 495	46 584	845 348	3 052 203	1 514 954	4 539 407	2 2
		2003..	36 337	1 453 046	25 350	50 471	874 580	3 052 727	1 407 387	4 491 652	1 2
		2002..	39 641	1 541 578	27 513	53 197	943 185	3 325 345	1 495 121	4 855 015	X X
333516	Rolling mill machinery and equipment manufacturing	2005..	2 472	142 557	1 538	3 495	75 154	317 119	310 417	613 908	2 4
		2004..	2 423	127 557	1 463	3 246	66 214	278 090	209 927	479 062	2 4
		2003..	2 477	123 572	1 406	2 985	60 007	270 113	232 853	510 722	2 4
		2002..	2 673	136 635	1 545	3 386	64 399	268 072	230 867	508 048	X X
333518	Other metalworking machinery manufacturing	2005..	11 158	670 776	6 494	13 867	335 399	1 467 207	1 247 471	2 679 926	6 12
		2004..	12 691	692 279	7 131	14 645	333 856	1 669 369	1 186 242	2 783 535	4 11
		2003..	13 390	678 966	7 693	16 109	330 763	1 487 444	1 131 133	2 629 116	2 3
		2002..	15 690	773 558	8 950	18 598	381 715	1 598 897	1 221 460	2 881 781	X X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—		
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F	
		A	B	C	D	E				F	G	H
333 3336	Machinery manufacturing—Con. Engine, turbine, and power transmission equipment manufacturing	2005..	90 944	4 475 980	63 147	129 901	2 740 935	13 911 874	25 444 132	39 104 259	1	1
		2004..	87 034	4 310 755	60 819	124 606	2 640 249	13 129 266	22 142 083	35 148 447	1	1
		2003..	88 608	4 236 499	62 696	126 339	2 541 647	16 242 057	22 411 653	38 915 312	1	1
		2002..	97 397	4 367 295	66 411	130 182	2 620 680	17 297 643	20 510 318	38 473 891	X	X
33361	Engine, turbine, and power transmission equipment manufacturing	2005..	90 944	4 475 980	63 147	129 901	2 740 935	13 911 874	25 444 132	39 104 259	1	1
		2004..	87 034	4 310 755	60 819	124 606	2 640 249	13 129 266	22 142 083	35 148 447	1	1
		2003..	88 608	4 236 499	62 696	126 339	2 541 647	16 242 057	22 411 653	38 915 312	1	1
		2002..	97 397	4 367 295	66 411	130 182	2 620 680	17 297 643	20 510 318	38 473 891	X	X
333611	Turbine and turbine generator set unit manufacturing	2005..	17 070	941 740	9 596	20 519	493 219	3 026 011	3 702 552	6 825 142	1	6
		2004..	15 160	860 487	8 314	17 297	450 876	3 067 323	3 126 772	6 255 177	2	2
		2003..	16 029	924 540	9 882	21 132	497 109	7 011 594	6 478 142	13 631 033	3	1
		2002..	19 486	1 004 848	11 579	23 420	564 440	7 673 779	6 693 267	14 966 426	X	X
333612	Speed changer, industrial high-speed drive, and gear manufacturing	2005..	10 922	508 287	7 790	15 989	312 101	1 180 498	936 165	2 097 502	3	3
		2004..	11 646	512 106	8 294	16 618	316 971	1 122 479	855 496	1 951 053	1	2
		2003..	12 356	522 927	8 584	16 465	314 267	1 204 464	787 106	1 986 164	1	2
		2002..	13 237	547 444	9 200	17 608	327 774	1 260 881	761 649	2 036 388	X	X
333613	Mechanical power transmission equipment manufacturing	2005..	14 558	684 887	10 233	21 189	407 721	1 862 522	1 213 373	3 072 232	1	1
		2004..	15 264	684 219	10 525	21 619	404 415	1 735 128	1 070 480	2 822 613	3	1
		2003..	15 603	649 667	11 084	21 686	373 137	1 616 593	982 691	2 601 812	2	2
		2002..	16 752	674 527	11 749	23 947	409 137	1 646 655	1 170 677	2 838 584	X	X
333618	Other engine equipment manufacturing	2005..	48 393	2 341 066	35 528	72 204	1 527 895	7 842 843	19 592 043	27 109 383	2	1
		2004..	44 963	2 253 942	33 687	69 073	1 467 986	7 204 336	17 089 335	24 119 604	2	1
		2003..	44 620	2 139 364	33 146	67 057	1 357 134	6 409 405	14 163 715	20 696 303	1	1
		2002..	47 922	2 140 476	33 883	65 207	1 319 329	6 716 328	11 884 725	18 632 493	X	X
3339	Other general purpose machinery manufacturing	2005..	267 670	12 917 046	159 085	336 595	6 108 656	35 291 267	37 241 481	72 155 155	1	1
		2004..	271 865	12 526 939	157 472	328 232	5 799 889	31 923 963	31 681 725	63 615 064	1	1
		2003..	286 049	12 516 408	166 805	339 227	5 759 421	29 936 358	29 273 440	59 169 188	1	1
		2002..	296 429	12 605 409	172 580	336 411	5 832 370	29 563 837	28 194 856	57 767 916	X	X
33391	Pump and compressor manufacturing	2005..	52 421	2 673 654	29 222	60 980	1 152 963	8 292 027	8 783 387	17 037 098	1	3
		2004..	55 000	2 627 913	29 042	60 124	1 111 966	7 325 088	7 516 068	14 842 484	1	2
		2003..	58 517	2 567 169	30 516	63 340	1 096 599	6 780 486	6 999 634	13 731 986	6	2
		2002..	55 913	2 468 234	30 793	60 290	1 078 787	6 204 183	6 499 056	12 691 176	X	X
333911	Pump and pumping equipment manufacturing	2005..	29 619	1 486 001	17 329	36 348	703 500	4 743 393	4 364 052	9 109 729	2	1
		2004..	31 952	1 469 458	17 335	36 199	689 954	4 223 544	3 995 237	8 247 911	1	1
		2003..	31 010	1 393 270	17 872	38 343	631 571	4 130 806	3 737 392	7 834 210	2	1
		2002..	31 805	1 392 912	18 046	35 743	637 814	3 582 830	3 351 065	6 962 635	X	X
333912	Air and gas compressor manufacturing	2005..	18 983	991 098	10 103	20 839	380 374	3 248 096	3 718 534	6 924 189	2	8
		2004..	19 222	974 453	9 969	20 235	355 838	2 626 959	3 010 932	5 592 921	2	5
		2003..	23 495	989 491	10 509	20 940	394 788	2 098 200	2 792 078	4 874 902	15	7
		2002..	20 060	898 632	10 580	20 426	371 383	2 164 362	2 684 430	4 795 611	X	X
333913	Measuring and dispensing pump manufacturing	2005..	3 819	196 554	1 790	3 793	69 089	300 538	700 800	1 003 180	1	2
		2004..	3 826	184 003	1 790	3 691	66 174	474 586	509 899	1 001 653	1	2
		2003..	4 012	184 407	2 135	4 057	70 241	551 480	470 165	1 022 875	2	1
		2002..	4 048	176 690	2 167	4 121	69 590	456 991	463 561	932 930	X	X
33392	Material handling equipment manufacturing	2005..	76 311	3 531 091	47 939	102 844	1 869 460	9 285 195	13 047 726	22 207 375	2	2
		2004..	75 011	3 332 500	46 397	98 459	1 716 044	8 398 292	10 501 428	18 775 513	2	3
		2003..	77 269	3 306 169	48 310	98 369	1 622 909	7 157 557	9 443 816	16 667 545	1	1
		2002..	82 397	3 343 021	49 841	99 571	1 659 959	7 068 980	8 951 984	16 102 719	X	X
33392M	Material handling equipment manufacturing	2005..	76 311	3 531 091	47 939	102 844	1 869 460	9 285 195	13 047 726	22 207 375	2	2
		2004..	75 011	3 332 500	46 397	98 459	1 716 044	8 398 292	10 501 428	18 775 513	2	3
		2003..	77 269	3 306 169	48 310	98 369	1 622 909	7 157 557	9 443 816	16 667 545	1	1
		2002..	82 397	3 343 021	49 841	99 571	1 659 959	7 068 980	8 951 984	16 102 719	X	X
33399	All other general purpose machinery manufacturing	2005..	138 938	6 712 302	81 924	172 771	3 086 233	17 714 046	15 410 368	32 910 682	1	2
		2004..	141 853	6 566 525	81 982	169 648	2 971 878	16 200 582	13 664 229	29 997 067	1	2
		2003..	150 263	6 643 070	87 979	177 518	3 039 912	15 998 315	12 829 990	28 769 658	1	1
		2002..	158 119	6 794 154	91 946	176 550	3 093 624	16 290 674	12 743 816	28 974 021	X	X
333991	Power-driven hand tool manufacturing	2005..	8 988	366 985	6 142	11 456	199 487	1 214 482	1 376 103	2 580 940	3	2
		2004..	9 618	402 680	6 927	13 910	223 676	1 259 921	1 545 699	2 787 570	2	4
		2003..	11 475	445 997	8 142	15 175	245 989	1 600 166	1 658 124	3 270 718	1	1
		2002..	11 675	425 521	8 549	16 185	247 393	1 781 615	1 784 564	3 576 065	X	X
333993	Packaging machinery manufacturing	2005..	20 127	1 025 375	10 461	21 513	422 046	2 273 524	1 769 494	4 025 505	3	2
		2004..	21 888	1 096 406	10 613	21 736	413 930	2 357 562	1 621 125	3 953 320	2	2
		2003..	23 976	1 138 336	12 061	24 578	449 928	2 460 904	1 680 213	4 112 992	3	4
		2002..	24 753	1 169 062	11 828	23 768	453 033	2 457 324	1 749 197	4 227 241	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—		
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F	
												A
333	Machinery manufacturing—Con.											
3339	Other general purpose machinery manufacturing—Con.											
33399	All other general purpose machinery manufacturing—Con.											
333994	Industrial process furnace and oven manufacturing	2005..	10 337	476 249	6 299	12 582	215 187	1 068 843	848 013	1 901 163	2	4
		2004..	9 813	446 249	5 868	11 829	193 323	929 924	663 054	1 581 531	2	3
		2003..	10 711	464 635	6 336	12 803	205 270	929 771	675 110	1 600 953	3	4
		2002..	11 513	474 079	6 609	12 989	204 944	935 587	683 084	1 627 741	X	X
33399N	Fluid power equipment manufacturing	2005..	30 927	1 527 952	19 739	44 137	838 796	4 202 944	3 665 225	7 804 902	2	1
		2004..	30 295	1 391 503	19 369	42 672	760 774	3 815 787	3 001 371	6 719 761	2	2
		2003..	32 292	1 405 319	20 796	43 903	754 246	3 400 226	2 617 466	6 048 234	1	1
		2002..	32 201	1 374 698	20 680	41 076	734 999	3 281 075	2 445 521	5 752 599	X	X
33399P	All other miscellaneous general purpose machinery manufacturing	2005..	68 559	3 315 741	39 283	83 083	1 410 718	8 954 253	7 751 533	16 598 173	3	4
		2004..	70 240	3 229 687	39 204	79 501	1 380 175	7 837 389	6 832 979	14 954 885	2	4
		2003..	71 809	3 188 784	40 643	81 060	1 384 480	7 607 247	6 199 077	13 736 761	1	1
		2002..	77 977	3 350 794	44 280	82 532	1 453 255	7 835 073	6 081 450	13 790 375	X	X
334	Computer and electronic product manufacturing	2005..	1 003 682	59 833 766	464 935	953 793	18 661 817	226 319 030	148 925 617	373 931 892	1	1
		2004..	1 050 050	60 404 464	476 659	969 733	18 372 759	216 968 551	150 095 996	365 544 597	1	2
		2003..	1 144 459	63 470 283	522 727	1 051 725	19 140 588	203 194 693	150 207 841	352 272 278	1	1
		2002..	1 258 928	64 352 797	591 268	1 160 109	20 967 255	200 288 945	154 504 488	357 324 069	X	X
3341	Computer and peripheral equipment manufacturing	2005..	100 990	6 300 541	34 964	70 665	1 537 382	36 406 697	32 094 256	68 468 666	1	1
		2004..	100 784	6 176 208	34 773	69 123	1 538 547	31 793 497	31 622 232	63 269 665	1	1
		2003..	142 920	9 431 041	43 007	83 567	1 824 265	30 310 106	38 730 298	69 072 532	1	1
		2002..	151 073	8 282 089	49 458	96 977	1 914 188	34 411 116	39 228 694	73 807 337	X	X
33411	Computer and peripheral equipment manufacturing	2005..	100 990	6 300 541	34 964	70 665	1 537 382	36 406 697	32 094 256	68 468 666	1	1
		2004..	100 784	6 176 208	34 773	69 123	1 538 547	31 793 497	31 622 232	63 269 665	1	1
		2003..	142 920	9 431 041	43 007	83 567	1 824 265	30 310 106	38 730 298	69 072 532	1	1
		2002..	151 073	8 282 089	49 458	96 977	1 914 188	34 411 116	39 228 694	73 807 337	X	X
334111	Electronic computer manufacturing	2005..	39 209	2 349 060	12 034	23 871	609 491	24 453 684	19 059 926	43 531 376	1	1
		2004..	37 390	2 252 860	11 970	23 118	609 491	21 014 300	20 029 358	41 044 763	1	1
		2003..	66 271	4 873 365	15 888	30 598	769 389	19 550 585	26 274 991	45 892 678	1	1
		2002..	62 227	3 270 196	18 464	36 963	744 241	20 937 780	26 606 317	47 730 226	X	X
334112	Computer storage device manufacturing	2005..	15 698	1 022 149	8 123	17 328	299 021	4 155 921	4 180 073	8 127 620	2	2
		2004..	15 190	910 111	7 542	15 697	275 442	3 030 367	3 683 616	6 760 885	2	3
		2003..	19 981	1 319 603	9 405	19 697	344 410	3 564 953	4 775 248	8 443 309	1	2
		2002..	26 396	1 593 139	10 114	20 397	372 573	4 734 197	4 765 477	9 458 043	X	X
334113	Computer terminal manufacturing	2005..	1 280	63 715	514	1 029	17 959	137 749	119 048	260 649	5	5
		2004..	1 403	66 694	564	1 106	20 132	132 908	106 117	240 540	4	7
		2003..	2 017	93 904	896	1 672	28 123	188 035	151 164	350 652	1	4
		2002..	2 109	84 420	953	2 048	29 814	235 979	167 184	407 507	X	X
334119	Other computer peripheral equipment manufacturing	2005..	44 802	2 865 616	14 293	28 437	610 912	7 659 342	8 735 208	16 549 021	3	2
		2004..	46 801	2 946 543	14 697	29 202	635 556	7 615 923	7 803 142	15 223 477	3	2
		2003..	54 651	3 144 168	16 818	31 601	682 344	7 006 534	7 528 894	14 385 894	2	3
		2002..	60 341	3 334 334	19 927	37 569	767 560	8 503 160	7 689 716	16 211 561	X	X
3342	Communications equipment manufacturing	2005..	127 952	8 040 902	50 429	103 039	2 013 889	32 412 814	27 012 170	59 060 106	2	2
		2004..	147 302	8 880 864	55 418	110 263	2 137 376	32 094 673	29 783 705	61 368 915	2	1
		2003..	161 530	9 266 255	60 040	117 342	2 060 044	30 927 403	30 259 563	60 942 933	3	1
		2002..	191 063	10 323 220	72 043	136 437	2 572 438	32 424 157	32 128 955	65 064 728	X	X
33421	Telephone apparatus manufacturing	2005..	34 157	2 068 042	11 343	21 519	474 066	10 802 253	8 225 948	19 058 888	6	6
		2004..	37 991	2 179 580	11 098	21 046	433 609	10 953 008	7 789 237	18 838 031	5	2
		2003..	45 849	2 945 820	13 205	27 495	507 528	13 158 351	8 456 883	21 542 593	5	2
		2002..	64 576	3 751 127	18 682	35 335	729 468	14 558 622	11 729 742	27 279 673	X	X
334210	Telephone apparatus manufacturing	2005..	34 157	2 068 042	11 343	21 519	474 066	10 802 253	8 225 948	19 058 888	6	6
		2004..	37 991	2 179 580	11 098	21 046	433 609	10 953 008	7 789 237	18 838 031	5	2
		2003..	45 849	2 945 820	13 205	27 495	507 528	13 158 351	8 456 883	21 542 593	5	2
		2002..	64 576	3 751 127	18 682	35 335	729 468	14 558 622	11 729 742	27 279 673	X	X
33422	Radio and television broadcasting and wireless communications equipment manufacturing	2005..	77 042	5 119 974	31 613	66 327	1 288 082	19 144 427	16 890 177	35 654 498	2	1
		2004..	91 786	5 864 737	36 090	73 159	1 435 343	18 728 311	20 323 134	38 444 728	2	1
		2003..	93 568	5 325 884	37 319	70 575	1 264 697	15 053 759	19 722 261	34 563 158	4	2
		2002..	100 996	5 427 646	41 948	79 110	1 506 760	14 615 124	18 102 557	32 276 927	X	X
334220	Radio and television broadcasting and wireless communications equipment manufacturing	2005..	77 042	5 119 974	31 613	66 327	1 288 082	19 144 427	16 890 177	35 654 498	2	1
		2004..	91 786	5 864 737	36 090	73 159	1 435 343	18 728 311	20 323 134	38 444 728	2	1
		2003..	93 568	5 325 884	37 319	70 575	1 264 697	15 053 759	19 722 261	34 563 158	4	2
		2002..	100 996	5 427 646	41 948	79 110	1 506 760	14 615 124	18 102 557	32 276 927	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
334	Computer and electronic product manufacturing—Con.										
3342	Communications equipment manufacturing—Con.										
33429	Other communications equipment manufacturing	2005..	16 753 852 886	7 473	15 192	251 742	2 466 134	1 896 045	4 346 719	3	3
		2004..	17 526 836 547	8 230	16 058	268 424	2 413 354	1 671 334	4 086 156	2	1
		2003..	22 113 994 551	9 516	19 272	287 818	2 715 294	2 080 420	4 837 182	1	1
		2002..	25 491 1 144 447	11 413	21 992	336 210	3 250 411	2 296 656	5 508 128	X	X
334290	Other communications equipment manufacturing	2005..	16 753 852 886	7 473	15 192	251 742	2 466 134	1 896 045	4 346 719	3	3
		2004..	17 526 836 547	8 230	16 058	268 424	2 413 354	1 671 334	4 086 156	2	1
		2003..	22 113 994 551	9 516	19 272	287 818	2 715 294	2 080 420	4 837 182	1	1
		2002..	25 491 1 144 447	11 413	21 992	336 210	3 250 411	2 296 656	5 508 128	X	X
3343	Audio and video equipment manufacturing	2005..	19 211 833 552	10 822	22 618	324 222	3 105 890	7 251 288	10 371 228	3	2
		2004..	20 304 827 831	11 682	23 361	323 237	3 285 598	7 367 622	10 549 442	3	2
		2003..	23 798 936 985	14 584	28 740	379 201	3 528 105	4 815 784	8 359 068	1	3
		2002..	25 205 955 952	15 657	31 988	398 596	3 308 714	5 363 728	8 649 260	X	X
33431	Audio and video equipment manufacturing	2005..	19 211 833 552	10 822	22 618	324 222	3 105 890	7 251 288	10 371 228	3	2
		2004..	20 304 827 831	11 682	23 361	323 237	3 285 598	7 367 622	10 549 442	3	2
		2003..	23 798 936 985	14 584	28 740	379 201	3 528 105	4 815 784	8 359 068	1	3
		2002..	25 205 955 952	15 657	31 988	398 596	3 308 714	5 363 728	8 649 260	X	X
334310	Audio and video equipment manufacturing	2005..	19 211 833 552	10 822	22 618	324 222	3 105 890	7 251 288	10 371 228	3	2
		2004..	20 304 827 831	11 682	23 361	323 237	3 285 598	7 367 622	10 549 442	3	2
		2003..	23 798 936 985	14 584	28 740	379 201	3 528 105	4 815 784	8 359 068	1	3
		2002..	25 205 955 952	15 657	31 988	398 596	3 308 714	5 363 728	8 649 260	X	X
3344	Semiconductor and other electronic component manufacturing	2005..	348 153 18 301 895	198 432	409 314	7 435 773	81 945 746	38 668 277	120 105 840	1	1
		2004..	357 493 17 863 561	203 004	417 701	7 224 678	77 512 702	39 037 971	116 186 747	1	1
		2003..	387 313 18 498 353	223 285	460 317	7 740 251	73 431 505	39 981 157	113 198 125	1	1
		2002..	438 080 19 891 043	258 464	512 195	8 688 797	69 189 519	40 443 404	110 234 657	X	X
33441	Semiconductor and other electronic component manufacturing	2005..	348 153 18 301 895	198 432	409 314	7 435 773	81 945 746	38 668 277	120 105 840	1	1
		2004..	357 493 17 863 561	203 004	417 701	7 224 678	77 512 702	39 037 971	116 186 747	1	1
		2003..	387 313 18 498 353	223 285	460 317	7 740 251	73 431 505	39 981 157	113 198 125	1	1
		2002..	438 080 19 891 043	258 464	512 195	8 688 797	69 189 519	40 443 404	110 234 657	X	X
334411	Electron tube manufacturing	2005..	5 158 241 880	3 622	7 552	156 597	503 864	459 344	963 265	1	2
		2004..	6 381 288 296	4 532	9 536	186 807	558 492	681 391	1 264 348	1	1
		2003..	9 155 381 211	6 949	13 413	261 546	769 833	988 182	1 757 005	1	1
		2002..	11 332 479 824	8 822	18 596	335 600	898 751	1 501 151	2 426 460	X	X
334412	Bare printed circuit board manufacturing	2005..	33 522 1 309 938	23 913	49 563	773 321	3 231 708	1 931 611	5 182 630	2	2
		2004..	37 990 1 442 019	26 705	52 766	803 972	3 465 946	2 173 450	5 612 256	2	2
		2003..	40 198 1 442 151	28 812	59 266	847 711	3 348 657	2 330 344	5 658 870	3	2
		2002..	46 937 1 657 816	33 235	66 222	939 899	3 526 474	2 836 631	6 365 921	X	X
334413	Semiconductor and related device manufacturing	2005..	133 072 9 132 807	63 236	132 091	3 124 299	60 030 911	15 841 100	75 490 730	3	1
		2004..	135 304 8 713 924	63 609	134 775	2 970 622	55 759 378	16 713 880	72 355 695	2	1
		2003..	149 810 9 094 480	72 121	146 228	3 255 493	49 654 085	17 177 650	66 607 739	1	1
		2002..	169 520 9 811 316	87 544	171 466	3 876 299	44 818 228	16 508 172	61 434 888	X	X
334414	Electronic capacitor manufacturing	2005..	7 778 303 529	5 054	10 207	142 647	680 707	482 791	1 179 137	3	3
		2004..	8 124 283 603	5 283	10 898	144 528	693 305	582 249	1 255 925	3	3
		2003..	9 016 322 991	6 343	13 295	178 588	648 290	625 368	1 291 790	4	8
		2002..	10 937 383 510	7 272	14 222	185 762	734 069	839 200	1 640 150	X	X
334415	Electronic resistor manufacturing	2005..	5 451 186 401	3 555	7 016	102 502	429 225	226 409	656 940	4	4
		2004..	5 389 189 390	3 488	7 228	94 801	471 171	238 028	711 821	2	3
		2003..	5 654 186 338	3 925	7 368	97 124	452 891	240 998	704 072	2	3
		2002..	5 435 172 240	3 730	7 115	89 606	393 932	213 149	625 683	X	X
334416	Electronic coil, transformer, and other inductor manufacturing	2005..	9 463 318 438	6 911	14 503	179 467	658 476	521 703	1 168 331	5	6
		2004..	10 422 330 341	7 690	16 001	181 477	691 622	482 438	1 154 386	3	4
		2003..	11 196 344 276	8 454	16 938	194 379	698 801	450 954	1 145 642	4	3
		2002..	11 265 329 666	8 217	15 745	179 716	641 423	485 438	1 135 121	X	X
334417	Electronic connector manufacturing	2005..	22 492 925 770	16 473	33 112	538 302	2 570 792	1 469 428	3 987 909	3	3
		2004..	22 021 900 674	16 072	32 788	523 515	2 382 441	1 321 041	3 724 660	3	3
		2003..	22 881 889 859	16 437	33 772	523 328	2 462 695	1 191 667	3 684 056	1	2
		2002..	24 480 915 948	17 455	34 461	528 776	2 263 117	1 234 785	3 548 502	X	X
334418	Printed circuit assembly (electronic assembly) manufacturing	2005..	72 950 3 382 242	39 777	83 578	1 266 645	8 410 607	13 918 454	22 215 734	5	2
		2004..	72 819 3 287 898	39 275	82 059	1 214 452	8 157 399	13 459 055	21 448 576	5	2
		2003..	77 616 3 391 532	42 816	93 615	1 286 256	10 044 061	13 240 023	23 244 937	2	3
		2002..	88 341 3 522 350	49 467	100 612	1 369 039	10 248 676	12 993 227	23 478 376	X	X
334419	Other electronic component manufacturing	2005..	58 267 2 500 889	35 890	71 692	1 151 993	5 429 456	3 817 436	9 261 165	2	2
		2004..	59 042 2 427 416	36 350	71 650	1 104 504	5 332 947	3 386 439	8 659 082	2	2
		2003..	61 789 2 445 516	37 428	76 421	1 095 826	5 352 192	3 735 971	9 104 014	1	2
		2002..	69 833 2 618 373	42 722	83 756	1 184 100	5 664 849	3 831 651	9 579 556	X	X

See footnotes at end of table.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—		
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F	
												A
334	Computer and electronic product manufacturing—Con.											
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2005..	375 338	24 958 454	147 820	301 036	6 592 776	68 730 422	39 909 754	108 223 174	1	1
		2004..	389 909	25 090 444	147 879	298 120	6 309 379	68 293 683	38 257 849	106 161 086	1	5
		2003..	392 361	23 923 318	154 761	306 597	6 242 953	60 349 782	33 450 810	93 068 528	1	1
		2002..	415 603	23 533 540	167 919	324 649	6 546 773	56 299 115	34 472 338	92 018 366	X	X
33451	Navigational, measuring, medical, and control instruments manufacturing	2005..	375 338	24 958 454	147 820	301 036	6 592 776	68 730 422	39 909 754	108 223 174	1	1
		2004..	389 909	25 090 444	147 879	298 120	6 309 379	68 293 683	38 257 849	106 161 086	1	5
		2003..	392 361	23 923 318	154 761	306 597	6 242 953	60 349 782	33 450 810	93 068 528	1	1
		2002..	415 603	23 533 540	167 919	324 649	6 546 773	56 299 115	34 472 338	92 018 366	X	X
334510	Electromedical and electrotherapeutic apparatus manufacturing	2005..	51 580	3 657 049	23 821	48 441	1 093 429	13 684 595	6 030 938	19 628 343	3	2
		2004..	51 850	3 241 425	24 241	49 962	1 010 937	12 091 027	5 356 249	17 501 197	2	2
		2003..	54 301	3 170 477	26 089	55 410	1 036 921	10 539 908	5 696 688	16 342 672	1	1
		2002..	58 094	3 075 455	27 494	55 408	978 767	9 618 981	5 767 071	15 493 017	X	X
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2005..	137 291	9 706 904	43 722	89 132	2 211 533	24 984 328	12 021 230	36 875 423	2	2
		2004..	148 906	10 621 909	42 684	83 702	2 198 822	27 539 771	12 269 678	39 454 628	2	12
		2003..	144 218	9 910 978	44 026	85 514	2 205 866	23 779 893	10 174 245	33 023 795	1	1
		2002..	142 798	9 141 739	47 351	87 683	2 225 835	21 173 479	10 152 868	32 250 405	X	X
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	2005..	14 026	585 963	8 880	17 982	272 792	1 428 564	942 789	2 368 428	2	2
		2004..	13 865	533 162	8 719	18 457	255 212	1 766 212	981 600	2 784 376	2	2
		2003..	15 971	583 936	10 345	21 406	286 772	1 661 148	1 120 419	2 806 732	1	2
		2002..	17 401	636 173	11 066	21 850	308 356	1 662 199	1 216 779	2 912 971	X	X
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	2005..	37 251	2 062 808	16 281	33 572	634 322	4 587 970	3 162 482	7 745 747	1	1
		2004..	36 628	1 901 476	16 185	33 378	585 780	4 568 469	2 881 160	7 432 648	1	1
		2003..	37 402	1 865 880	16 675	33 394	559 448	4 293 472	2 651 356	6 946 659	2	1
		2002..	39 906	1 891 352	17 999	35 526	597 058	4 321 114	2 646 260	7 040 184	X	X
334514	Totalizing fluid meter and counting device manufacturing	2005..	15 302	728 416	9 887	19 693	360 160	2 060 541	3 145 468	5 199 888	2	1
		2004..	16 302	745 115	10 616	21 062	383 535	2 162 365	3 250 013	5 403 135	1	1
		2003..	15 200	667 871	9 128	17 702	336 662	2 143 552	2 743 042	4 934 729	5	2
		2002..	16 398	725 718	10 572	19 958	382 232	1 969 887	2 852 850	4 820 321	X	X
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2005..	43 300	3 154 433	14 167	29 376	649 176	7 339 865	3 799 757	11 226 438	3	2
		2004..	46 484	3 203 392	14 619	29 506	634 141	7 444 507	3 770 856	11 276 687	2	2
		2003..	46 737	3 136 749	16 178	28 555	620 854	6 617 478	3 473 168	10 136 028	2	1
		2002..	56 182	3 417 804	18 980	37 504	806 156	6 015 460	3 680 723	9 909 539	X	X
334516	Analytical laboratory instrument manufacturing	2005..	28 553	1 957 738	9 650	19 702	389 713	5 870 369	3 314 222	9 155 226	2	1
		2004..	29 660	2 015 139	10 233	20 827	390 511	5 278 210	3 007 860	8 200 346	1	1
		2003..	32 252	1 980 029	11 390	22 556	424 921	4 924 101	2 889 343	7 788 152	1	2
		2002..	33 982	1 996 700	11 505	22 454	429 611	4 942 859	3 270 156	8 156 371	X	X
334517	Irradiation apparatus manufacturing	2005..	16 022	1 261 129	5 497	11 334	310 778	3 720 949	4 402 230	8 016 868	2	2
		2004..	13 641	1 071 494	4 622	9 744	260 142	2 997 358	3 974 681	6 988 162	2	2
		2003..	12 693	900 081	4 605	9 538	201 108	2 386 416	2 230 579	4 619 802	1	1
		2002..	13 454	830 198	4 494	9 153	192 971	2 547 900	2 305 812	4 775 887	X	X
334518	Watch, clock, and parts manufacturing	2005..	2 330	97 642	1 523	2 985	48 561	409 998	224 508	641 272	4	2
		2004..	2 541	98 146	1 723	3 463	51 502	390 285	234 323	618 523	2	2
		2003..	2 618	93 288	1 758	3 586	46 369	350 607	222 288	570 207	5	4
		2002..	3 398	116 803	2 330	4 614	60 185	410 308	272 345	668 159	X	X
334519	Other measuring and controlling device manufacturing	2005..	29 683	1 746 370	14 390	28 820	622 312	4 643 245	2 866 129	7 365 541	4	3
		2004..	30 031	1 659 186	14 237	28 019	538 797	4 055 479	2 531 429	6 501 385	5	4
		2003..	30 970	1 614 029	14 567	28 937	524 031	3 653 207	2 249 683	5 899 751	2	2
		2002..	33 990	1 701 598	16 128	30 499	565 602	3 636 928	2 307 474	5 991 512	X	X
3346	Manufacturing and reproducing magnetic and optical media	2005..	32 039	1 398 421	22 468	47 121	757 773	3 717 461	3 989 871	7 702 878	3	2
		2004..	34 257	1 565 555	23 903	51 163	839 543	3 988 397	4 026 617	8 008 742	2	2
		2003..	36 537	1 414 331	27 051	55 163	893 873	4 647 792	2 970 229	7 631 093	2	3
		2002..	37 904	1 366 953	27 727	57 863	846 463	4 656 324	2 867 369	7 549 721	X	X
33461	Manufacturing and reproducing magnetic and optical media	2005..	32 039	1 398 421	22 468	47 121	757 773	3 717 461	3 989 871	7 702 878	3	2
		2004..	34 257	1 565 555	23 903	51 163	839 543	3 988 397	4 026 617	8 008 742	2	2
		2003..	36 537	1 414 331	27 051	55 163	893 873	4 647 792	2 970 229	7 631 093	2	3
		2002..	37 904	1 366 953	27 727	57 863	846 463	4 656 324	2 867 369	7 549 721	X	X
334611	Software reproducing	2005..	2 521	116 983	1 581	3 166	61 739	295 672	183 551	463 361	4	3
		2004..	2 618	117 385	1 651	3 190	64 142	296 150	174 908	470 689	5	4
		2003..	2 822	109 930	2 379	4 183	80 572	295 474	175 681	471 676	12	11
		2002..	2 783	120 613	1 848	3 322	63 983	290 470	187 205	477 921	X	X

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		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
334	Computer and electronic product manufacturing—Con.										
3346	Manufacturing and reproducing magnetic and optical media—Con.										
33461	Manufacturing and reproducing magnetic and optical media—Con.										
334612	Prerecorded compact disc (except software), tape, and record reproducing	2005.. 22 634	810 157	17 102	36 042	528 129	2 631 361	2 055 677	4 687 222	4	3
		2004.. 23 289	855 803	17 567	38 047	554 322	2 860 166	1 920 124	4 778 454	3	2
		2003.. 26 616	909 084	19 936	41 688	588 569	3 032 851	1 673 504	4 702 971	2	5
		2002.. 28 447	952 295	21 249	44 580	607 847	2 887 709	1 597 425	4 480 372	X	X
334613	Magnetic and optical recording media manufacturing	2005.. 6 884	471 282	3 785	7 912	167 905	790 428	1 750 643	2 552 295	2	2
		2004.. 8 351	592 367	4 686	9 926	221 079	832 080	1 931 585	2 759 599	1	1
		2003.. 7 099	395 317	4 736	9 291	224 732	1 319 466	1 121 044	2 456 445	2	2
		2002.. 6 674	294 045	4 630	9 961	174 633	1 478 145	1 082 739	2 591 428	X	X
335	Electrical equipment, appliance, and component manufacturing	2005.. 420 644	17 522 837	293 763	595 283	9 895 223	54 317 755	57 808 344	112 007 985	1	1
		2004.. 436 260	17 319 724	305 867	611 904	9 897 822	52 921 975	52 321 859	105 083 947	1	1
		2003.. 446 276	16 991 110	317 497	625 518	9 712 027	51 276 525	48 627 829	99 907 155	1	1
		2002.. 490 050	17 990 490	347 683	676 922	10 285 641	52 853 121	49 628 555	102 844 370	X	X
3351	Electric lighting equipment manufacturing	2005.. 57 212	2 322 152	39 422	83 748	1 314 445	7 193 578	5 938 872	13 053 419	2	2
		2004.. 59 030	2 261 235	41 083	87 776	1 306 328	6 904 353	5 433 486	12 278 108	1	1
		2003.. 59 075	2 117 455	42 127	84 208	1 210 032	6 571 648	5 156 339	11 701 062	2	2
		2002.. 66 049	2 252 498	47 521	94 312	1 313 650	7 092 620	5 326 057	12 402 230	X	X
33511	Electric lamp bulb and parts manufacturing	2005.. 9 289	495 057	7 604	16 453	370 656	1 499 312	974 296	2 458 202	2	3
		2004.. 9 867	512 514	8 022	18 892	387 340	1 622 535	899 931	2 516 190	1	3
		2003.. 10 790	481 524	8 972	17 640	364 279	1 686 844	934 408	2 598 318	1	1
		2002.. 11 552	489 781	9 595	18 774	380 391	1 750 630	891 248	2 626 825	X	X
335110	Electric lamp bulb and parts manufacturing	2005.. 9 289	495 057	7 604	16 453	370 656	1 499 312	974 296	2 458 202	2	3
		2004.. 9 867	512 514	8 022	18 892	387 340	1 622 535	899 931	2 516 190	1	3
		2003.. 10 790	481 524	8 972	17 640	364 279	1 686 844	934 408	2 598 318	1	1
		2002.. 11 552	489 781	9 595	18 774	380 391	1 750 630	891 248	2 626 825	X	X
33512	Lighting fixture manufacturing	2005.. 47 923	1 827 096	31 818	67 295	943 790	5 694 266	4 964 576	10 595 217	2	2
		2004.. 49 163	1 748 721	33 062	68 884	918 988	5 281 818	4 533 556	9 761 918	2	1
		2003.. 48 285	1 635 932	33 155	66 568	845 754	4 884 804	4 221 931	9 102 744	2	2
		2002.. 54 497	1 762 717	37 926	75 538	933 259	5 341 990	4 434 809	9 775 405	X	X
33512M	Lighting fixture manufacturing	2005.. 47 923	1 827 096	31 818	67 295	943 790	5 694 266	4 964 576	10 595 217	2	2
		2004.. 49 163	1 748 721	33 062	68 884	918 988	5 281 818	4 533 556	9 761 918	2	1
		2003.. 48 285	1 635 932	33 155	66 568	845 754	4 884 804	4 221 931	9 102 744	2	2
		2002.. 54 497	1 762 717	37 926	75 538	933 259	5 341 990	4 434 809	9 775 405	X	X
3352	Household appliance manufacturing ...	2005.. 76 911	2 699 197	64 317	124 105	2 040 578	10 483 132	14 016 803	24 620 117	1	1
		2004.. 83 746	2 893 831	69 430	132 518	2 150 129	10 256 785	13 717 779	23 989 141	1	1
		2003.. 85 345	2 885 135	70 971	133 811	2 114 761	10 109 059	12 865 765	23 026 196	1	2
		2002.. 88 794	2 993 447	73 527	140 400	2 169 220	10 022 841	12 215 606	22 269 541	X	X
33521	Small electrical appliance manufacturing	2005.. 13 376	466 902	9 731	19 171	278 616	1 651 624	2 020 261	3 829 515	1	1
		2004.. 15 533	531 383	11 770	22 327	317 385	2 012 226	2 208 537	4 241 694	1	1
		2003.. 16 752	556 821	12 682	23 432	332 241	2 084 707	2 223 020	4 304 518	1	2
		2002.. 18 781	606 186	14 293	26 722	365 619	2 495 574	2 163 362	4 623 636	X	X
33521M	Small electrical appliance manufacturing	2005.. 13 376	466 902	9 731	19 171	278 616	1 651 624	2 020 261	3 829 515	1	1
		2004.. 15 533	531 383	11 770	22 327	317 385	2 012 226	2 208 537	4 241 694	1	1
		2003.. 16 752	556 821	12 682	23 432	332 241	2 084 707	2 223 020	4 304 518	1	2
		2002.. 18 781	606 186	14 293	26 722	365 619	2 495 574	2 163 362	4 623 636	X	X
33522	Major appliance manufacturing	2005.. 63 535	2 232 295	54 586	104 934	1 761 962	8 831 508	11 996 542	20 790 602	1	1
		2004.. 68 213	2 362 448	57 660	110 191	1 832 744	8 244 559	11 509 242	19 747 447	1	1
		2003.. 68 593	2 328 314	58 289	110 379	1 782 520	8 024 351	10 642 744	18 721 678	1	2
		2002.. 70 013	2 387 261	59 234	113 678	1 803 601	7 527 267	10 052 244	17 645 905	X	X
335221	Household cooking appliance manufacturing	2005.. 16 409	518 033	14 327	28 514	409 299	1 661 470	3 470 792	5 114 677	3	2
		2004.. 17 021	515 637	14 368	28 935	388 009	1 590 272	3 227 767	4 798 227	1	1
		2003.. 17 275	491 283	14 472	27 523	353 760	1 680 279	2 964 382	4 691 713	1	1
		2002.. 17 977	498 003	14 672	27 333	344 404	1 549 780	2 793 626	4 327 308	X	X
335222	Household refrigerator and home freezer manufacturing	2005.. 20 367	714 949	17 551	32 167	591 211	2 567 798	3 567 761	6 148 827	2	2
		2004.. 23 380	813 625	20 136	36 044	666 772	2 286 173	3 598 950	5 875 629	2	3
		2003.. 22 989	797 316	20 162	36 857	650 807	2 548 643	3 265 493	5 834 718	1	1
		2002.. 23 487	814 868	20 530	38 486	659 026	2 222 439	3 223 985	5 491 267	X	X
335224	Household laundry equipment manufacturing	2005.. 14 468	517 115	12 590	23 658	405 403	2 543 236	2 744 006	5 268 232	1	1
		2004.. 15 140	552 929	12 853	24 505	424 792	2 381 673	2 619 026	5 030 660	1	1
		2003.. 15 510	572 109	13 137	25 007	435 924	2 147 338	2 607 267	4 767 139	1	1
		2002.. 15 878	617 313	13 460	25 966	453 693	1 908 531	2 462 210	4 404 679	X	X
335228	Other major household appliance manufacturing	2005.. 12 291	482 199	10 118	20 594	356 049	2 059 003	2 213 983	4 258 866	2	1
		2004.. 12 672	480 257	10 304	20 707	353 171	1 986 442	2 063 499	4 042 931	1	2
		2003.. 12 819	467 606	10 519	20 991	342 029	1 648 091	1 805 602	3 428 108	1	9
		2002.. 12 671	457 077	10 572	21 893	346 478	1 846 517	1 572 423	3 422 651	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
336	Transportation equipment manufacturing—Con.										
3363	Motor vehicle parts manufacturing—Con.										
33632	Motor vehicle electrical and electronic equipment manufacturing—Con.										
33632M	Motor vehicle electrical and electronic equipment manufacturing	2005..	81 104	3 577 623	58 501	117 027	2 159 813	10 158 967	12 621 303	22 714 341	2 1
		2004..	77 532	3 383 706	55 707	112 167	1 970 074	9 427 490	11 053 340	20 420 637	1 1
		2003..	90 843	3 878 144	66 523	130 485	2 438 330	12 661 382	12 405 297	24 968 875	2 2
		2002..	97 111	4 031 391	71 455	141 112	2 568 079	12 909 751	12 940 278	25 818 446	X X
33633	Motor vehicle steering and suspension component (except spring) manufacturing	2005..	37 576	1 865 632	29 728	59 532	1 347 088	4 382 944	6 492 780	10 853 187	3 4
		2004..	38 223	1 851 878	30 116	63 972	1 356 037	4 743 288	6 170 754	10 895 443	2 2
		2003..	39 696	1 917 837	31 609	70 284	1 439 864	4 986 635	5 752 741	10 696 639	3 3
		2002..	41 783	2 045 377	33 289	68 957	1 492 554	4 984 666	5 526 106	10 493 720	X X
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2005..	37 576	1 865 632	29 728	59 532	1 347 088	4 382 944	6 492 780	10 853 187	3 4
		2004..	38 223	1 851 878	30 116	63 972	1 356 037	4 743 288	6 170 754	10 895 443	2 2
		2003..	39 696	1 917 837	31 609	70 284	1 439 864	4 986 635	5 752 741	10 696 639	3 3
		2002..	41 783	2 045 377	33 289	68 957	1 492 554	4 984 666	5 526 106	10 493 720	X X
33634	Motor vehicle brake system manufacturing	2005..	38 185	1 558 836	29 635	62 360	1 050 984	5 481 725	8 631 884	14 076 886	1 2
		2004..	39 738	1 587 863	31 470	64 042	1 094 698	5 364 728	8 185 539	13 526 980	1 2
		2003..	41 097	1 599 864	32 134	66 667	1 087 882	4 898 103	8 331 014	13 227 284	1 1
		2002..	42 356	1 660 877	33 878	68 285	1 203 347	5 868 521	7 712 370	13 550 927	X X
336340	Motor vehicle brake system manufacturing	2005..	38 185	1 558 836	29 635	62 360	1 050 984	5 481 725	8 631 884	14 076 886	1 2
		2004..	39 738	1 587 863	31 470	64 042	1 094 698	5 364 728	8 185 539	13 526 980	1 2
		2003..	41 097	1 599 864	32 134	66 667	1 087 882	4 898 103	8 331 014	13 227 284	1 1
		2002..	42 356	1 660 877	33 878	68 285	1 203 347	5 868 521	7 712 370	13 550 927	X X
33635	Motor vehicle transmission and power train parts manufacturing	2005..	80 070	5 104 784	65 597	146 637	4 033 105	14 079 648	20 587 327	34 614 866	4 3
		2004..	91 232	5 997 559	74 097	166 878	4 726 507	13 861 624	21 656 678	35 742 554	3 1
		2003..	90 998	5 490 247	74 099	160 967	4 334 281	13 546 538	20 017 517	33 337 741	3 3
		2002..	101 828	5 697 192	82 987	179 865	4 533 257	14 399 084	20 739 478	35 040 417	X X
336350	Motor vehicle transmission and power train parts manufacturing	2005..	80 070	5 104 784	65 597	146 637	4 033 105	14 079 648	20 587 327	34 614 866	4 3
		2004..	91 232	5 997 559	74 097	166 878	4 726 507	13 861 624	21 656 678	35 742 554	3 1
		2003..	90 998	5 490 247	74 099	160 967	4 334 281	13 546 538	20 017 517	33 337 741	3 3
		2002..	101 828	5 697 192	82 987	179 865	4 533 257	14 399 084	20 739 478	35 040 417	X X
33636	Motor vehicle seating and interior trim manufacturing	2005..	47 258	1 992 685	34 315	66 253	1 276 486	4 368 685	13 899 175	18 249 136	1 2
		2004..	50 029	2 041 148	37 008	75 070	1 342 627	4 632 222	12 153 577	16 776 023	1 1
		2003..	53 120	2 093 319	40 325	80 023	1 410 712	5 276 169	11 413 771	16 687 202	1 1
		2002..	53 957	2 004 174	41 512	81 968	1 369 599	4 805 231	11 924 081	16 748 164	X X
336360	Motor vehicle seating and interior trim manufacturing	2005..	47 258	1 992 685	34 315	66 253	1 276 486	4 368 685	13 899 175	18 249 136	1 2
		2004..	50 029	2 041 148	37 008	75 070	1 342 627	4 632 222	12 153 577	16 776 023	1 1
		2003..	53 120	2 093 319	40 325	80 023	1 410 712	5 276 169	11 413 771	16 687 202	1 1
		2002..	53 957	2 004 174	41 512	81 968	1 369 599	4 805 231	11 924 081	16 748 164	X X
33637	Motor vehicle metal stamping	2005..	99 345	5 459 408	80 996	170 914	4 274 412	12 211 126	14 550 394	26 707 399	2 2
		2004..	107 372	5 926 449	88 641	183 354	4 686 231	13 000 682	13 457 444	26 430 964	2 1
		2003..	109 023	5 902 329	89 274	190 782	4 639 586	12 772 538	13 077 704	25 878 313	2 2
		2002..	126 137	5 807 093	104 370	192 578	4 556 637	12 520 250	13 236 002	25 692 073	X X
336370	Motor vehicle metal stamping	2005..	99 345	5 459 408	80 996	170 914	4 274 412	12 211 126	14 550 394	26 707 399	2 2
		2004..	107 372	5 926 449	88 641	183 354	4 686 231	13 000 682	13 457 444	26 430 964	2 1
		2003..	109 023	5 902 329	89 274	190 782	4 639 586	12 772 538	13 077 704	25 878 313	2 2
		2002..	126 137	5 807 093	104 370	192 578	4 556 637	12 520 250	13 236 002	25 692 073	X X
33639	Other motor vehicle parts manufacturing	2005..	155 523	6 201 370	122 364	247 017	4 268 431	16 754 538	26 949 098	43 725 592	2 2
		2004..	159 379	6 259 571	125 182	253 629	4 373 742	17 668 252	24 940 159	42 646 490	1 1
		2003..	159 484	6 080 056	123 601	250 669	4 143 428	17 939 096	24 652 421	42 710 392	1 1
		2002..	164 391	6 113 372	130 070	256 911	4 228 386	18 801 129	24 000 089	42 722 932	X X
336391	Motor vehicle air-conditioning manufacturing	2005..	17 040	824 269	13 128	26 426	569 569	2 022 575	3 686 013	5 728 451	2 1
		2004..	19 423	954 452	15 246	29 909	674 992	2 229 430	3 791 007	6 008 113	2 3
		2003..	19 229	947 419	15 273	30 314	665 615	2 399 862	3 951 656	6 355 330	1 1
		2002..	18 870	932 344	15 224	30 477	679 528	2 756 712	4 064 696	6 825 527	X X
336399	All other miscellaneous motor vehicle parts manufacturing	2005..	138 482	5 377 100	109 236	220 591	3 698 862	14 731 964	23 263 084	37 997 141	2 2
		2004..	139 957	5 305 118	109 936	223 720	3 698 750	15 438 822	21 149 152	36 638 377	2 1
		2003..	140 255	5 132 637	108 328	220 355	3 477 813	15 539 235	20 700 764	36 355 062	1 1
		2002..	145 521	5 181 028	114 846	226 434	3 548 858	16 044 417	19 935 393	35 897 405	X X
3364	Aerospace product and parts manufacturing	2005..	382 660	25 989 365	182 226	355 101	10 739 673	71 221 306	69 956 537	137 105 142	1 1
		2004..	373 105	24 549 633	183 291	361 109	10 345 136	62 673 512	56 541 695	120 982 522	1 1
		2003..	388 630	23 955 264	191 552	387 848	10 203 107	61 797 512	57 687 777	120 973 632	1 1
		2002..	394 659	23 772 881	194 354	396 620	10 441 886	64 151 931	59 960 695	124 686 207	X X

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Table 2. Statistics for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
336	Transportation equipment manufacturing—Con.										
3364	Aerospace product and parts manufacturing—Con.										
33641	Aerospace product and parts manufacturing	2005..	382 660 25 989 365	182 226	355 101	10 739 673	71 221 306	69 956 537	137 105 142	1	1
		2004..	373 105 24 549 633	183 291	361 109	10 345 136	62 673 512	56 541 695	120 982 522	1	1
		2003..	388 630 23 955 264	191 552	387 848	10 203 107	61 797 512	57 687 777	120 973 632	1	1
		2002..	394 659 23 772 881	194 354	396 620	10 441 886	64 151 931	59 960 695	124 686 207	X	X
336411	Aircraft manufacturing	2005..	157 498 10 919 009	73 703	137 137	4 797 821	33 755 168	35 160 751	65 413 359	2	1
		2004..	156 128 10 434 067	76 889	142 167	4 571 847	26 635 317	31 394 645	59 971 407	1	1
		2003..	162 807 10 059 873	77 669	156 894	4 506 480	25 716 781	32 111 216	58 766 804	1	1
		2002..	164 963 10 076 017	79 356	155 766	4 592 145	29 557 132	34 474 552	64 307 364	X	X
336412	Aircraft engine and engine parts manufacturing	2005..	67 242 4 250 013	38 534	76 337	2 108 941	13 673 925	12 524 299	25 793 751	1	1
		2004..	66 470 4 079 572	37 511	75 440	1 998 042	13 016 389	11 234 878	24 285 649	1	1
		2003..	64 981 3 926 635	37 407	76 153	1 894 369	12 804 734	10 624 640	23 538 792	1	1
		2002..	71 834 4 117 520	40 080	82 793	1 920 444	11 669 394	11 593 866	23 532 038	X	X
336413	Other aircraft parts and auxiliary equipment manufacturing	2005..	89 813 5 245 719	46 596	94 614	2 282 865	14 451 597	8 137 709	22 778 518	1	1
		2004..	88 028 5 254 445	45 774	95 339	2 351 969	14 155 522	7 620 135	21 593 270	1	1
		2003..	95 247 5 271 245	51 416	107 243	2 450 338	12 518 880	7 752 851	20 625 692	1	1
		2002..	98 462 5 339 477	53 977	113 602	2 667 085	13 206 348	7 280 256	20 799 465	X	X
336414	Guided missile and space vehicle manufacturing	2005..	42 678 3 629 541	14 207	28 714	1 063 444	5 658 564	10 536 218	16 028 782	1	1
		2004..	42 262 3 358 554	14 626	30 229	1 011 067	6 281 701	5 142 208	11 192 093	1	1
		2003..	46 005 3 409 271	14 974	30 318	977 697	8 163 074	6 278 273	14 558 340	1	1
		2002..	38 661 2 935 471	14 376	27 212	866 872	7 222 394	5 580 180	12 518 301	X	X
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2005..	11 726 894 065	4 935	10 480	285 269	1 730 602	1 067 137	2 878 434	1	1
		2004..	13 879 1 053 681	4 840	10 834	286 922	1 928 530	729 330	2 876 665	1	1
		2003..	13 843 979 602	5 012	10 794	260 680	2 017 113	647 821	2 653 829	2	1
		2002..	14 512 983 405	5 530	11 080	284 206	1 848 076	725 835	2 601 373	X	X
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2005..	13 703 1 051 019	4 251	7 819	201 332	1 951 450	2 530 422	4 212 299	1	1
		2004..	6 338 369 313	3 651	7 100	145 289	656 054	421 499	1 063 438	2	1
		2003..	5 747 308 639	3 074	6 447	113 543	576 930	272 976	830 174	1	1
		2002..	6 227 320 991	3 035	6 167	111 134	648 587	306 006	927 666	X	X
3365	Railroad rolling stock manufacturing ...	2005..	25 853 1 181 002	17 722	33 890	698 854	3 310 969	5 678 221	9 205 049	1	5
		2004..	24 489 1 149 900	15 901	31 588	624 074	3 300 621	4 732 349	7 906 013	1	2
		2003..	24 486 1 154 794	15 373	29 927	586 182	2 908 471	4 266 609	7 401 129	1	1
		2002..	25 497 1 203 148	15 717	30 914	637 285	3 774 655	4 068 015	7 879 964	X	X
33651	Railroad rolling stock manufacturing	2005..	25 853 1 181 002	17 722	33 890	698 854	3 310 969	5 678 221	9 205 049	1	5
		2004..	24 489 1 149 900	15 901	31 588	624 074	3 300 621	4 732 349	7 906 013	1	2
		2003..	24 486 1 154 794	15 373	29 927	586 182	2 908 471	4 266 609	7 401 129	1	1
		2002..	25 497 1 203 148	15 717	30 914	637 285	3 774 655	4 068 015	7 879 964	X	X
336510	Railroad rolling stock manufacturing	2005..	25 853 1 181 002	17 722	33 890	698 854	3 310 969	5 678 221	9 205 049	1	5
		2004..	24 489 1 149 900	15 901	31 588	624 074	3 300 621	4 732 349	7 906 013	1	2
		2003..	24 486 1 154 794	15 373	29 927	586 182	2 908 471	4 266 609	7 401 129	1	1
		2002..	25 497 1 203 148	15 717	30 914	637 285	3 774 655	4 068 015	7 879 964	X	X
3366	Ship and boat building	2005..	140 627 5 617 447	102 051	207 777	3 593 021	13 586 705	11 929 794	25 516 337	1	1
		2004..	144 163 5 605 272	104 270	209 290	3 590 788	13 287 746	10 716 645	24 004 868	1	1
		2003..	135 069 5 222 523	99 090	198 473	3 440 919	12 664 251	9 413 575	22 077 826	1	1
		2002..	136 974 5 082 781	100 664	193 118	3 299 909	12 219 963	9 014 961	21 234 924	X	X
33661	Ship and boat building	2005..	140 627 5 617 447	102 051	207 777	3 593 021	13 586 705	11 929 794	25 516 337	1	1
		2004..	144 163 5 605 272	104 270	209 290	3 590 788	13 287 746	10 716 645	24 004 868	1	1
		2003..	135 069 5 222 523	99 090	198 473	3 440 919	12 664 251	9 413 575	22 077 826	1	1
		2002..	136 974 5 082 781	100 664	193 118	3 299 909	12 219 963	9 014 961	21 234 924	X	X
336611	Ship building and repairing	2005..	84 329 3 785 684	58 500	116 643	2 319 296	8 715 540	5 434 205	14 149 583	1	1
		2004..	88 541 3 846 464	61 571	120 262	2 361 697	8 649 978	5 256 297	13 906 753	1	1
		2003..	86 217 3 694 328	61 756	119 106	2 368 078	8 688 282	4 809 288	13 497 571	1	1
		2002..	87 214 3 613 626	61 736	115 958	2 259 912	8 390 656	4 384 418	12 775 074	X	X
336612	Boat building	2005..	56 298 1 831 763	43 550	91 134	1 273 725	4 871 165	6 495 589	11 366 754	1	1
		2004..	55 622 1 758 808	42 698	89 028	1 229 091	4 637 767	5 460 348	10 098 115	1	1
		2003..	48 852 1 528 196	37 334	79 367	1 072 842	3 975 969	4 604 287	8 580 256	2	2
		2002..	49 760 1 469 155	38 928	77 160	1 039 997	3 829 307	4 630 543	8 459 850	X	X
3369	Other transportation equipment manufacturing	2005..	41 025 1 754 540	29 687	55 191	1 044 485	6 173 892	10 097 896	16 137 978	2	2
		2004..	36 907 1 518 291	26 876	50 725	928 842	5 590 260	8 923 268	14 539 744	2	1
		2003..	39 429 1 595 024	28 732	54 779	989 411	5 396 253	8 300 545	13 705 534	1	1
		2002..	39 767 1 539 193	28 742	55 597	958 714	5 725 756	7 545 941	13 349 149	X	X
33699	Other transportation equipment manufacturing	2005..	41 025 1 754 540	29 687	55 191	1 044 485	6 173 892	10 097 896	16 137 978	2	2
		2004..	36 907 1 518 291	26 876	50 725	928 842	5 590 260	8 923 268	14 539 744	2	1
		2003..	39 429 1 595 024	28 732	54 779	989 411	5 396 253	8 300 545	13 705 534	1	1
		2002..	39 767 1 539 193	28 742	55 597	958 714	5 725 756	7 545 941	13 349 149	X	X
336991	Motorcycle, bicycle, and parts manufacturing	2005..	14 164 632 343	10 603	20 526	431 601	1 965 323	3 158 684	5 058 261	6	4
		2004..	13 159 578 489	10 050	19 697	411 485	1 907 583	2 922 157	4 814 987	5	3
		2003..	15 443 666 928	12 396	23 586	479 267	2 095 988	2 849 766	4 916 535	1	2
		2002..	15 348 641 936	11 887	23 555	458 554	2 245 145	2 603 839	4 923 158	X	X

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E	F	G	H	A	F
339	Miscellaneous manufacturing—Con.										
3399	Other miscellaneous manufacturing—Con.										
33992	Sporting and athletic goods manufacturing	2005.. 55 021	2 050 663	34 408	69 735	972 244	7 466 086	5 131 977	12 429 252	2	1
		2004.. 57 174	2 053 858	36 573	74 294	995 116	7 020 950	4 763 569	11 677 778	1	1
		2003.. 59 799	2 038 615	39 244	77 805	1 017 235	7 018 686	5 276 113	12 228 964	1	2
		2002.. 61 977	2 070 185	40 943	79 720	995 660	6 738 632	5 002 536	11 844 909	X	X
339920	Sporting and athletic goods manufacturing	2005.. 55 021	2 050 663	34 408	69 735	972 244	7 466 086	5 131 977	12 429 252	2	1
		2004.. 57 174	2 053 858	36 573	74 294	995 116	7 020 950	4 763 569	11 677 778	1	1
		2003.. 59 799	2 038 615	39 244	77 805	1 017 235	7 018 686	5 276 113	12 228 964	1	2
		2002.. 61 977	2 070 185	40 943	79 720	995 660	6 738 632	5 002 536	11 844 909	X	X
33993	Doll, toy, and game manufacturing	2005.. 15 361	563 127	9 529	17 860	263 886	2 033 244	1 911 037	3 751 283	4	6
		2004.. 15 655	533 652	10 301	19 687	275 804	1 912 714	1 739 875	3 558 885	4	6
		2003.. 18 410	599 648	12 686	24 032	298 358	2 017 540	1 676 211	3 745 064	2	2
		2002.. 20 461	648 137	13 864	25 642	329 798	2 316 120	1 826 077	4 064 059	X	X
33993M	Doll, toy, and game manufacturing	2005.. 15 361	563 127	9 529	17 860	263 886	2 033 244	1 911 037	3 751 283	4	6
		2004.. 15 655	533 652	10 301	19 687	275 804	1 912 714	1 739 875	3 558 885	4	6
		2003.. 18 410	599 648	12 686	24 032	298 358	2 017 540	1 676 211	3 745 064	2	2
		2002.. 20 461	648 137	13 864	25 642	329 798	2 316 120	1 826 077	4 064 059	X	X
33994	Office supplies (except paper) manufacturing	2005.. 18 054	701 873	11 311	22 867	332 301	2 264 616	1 595 603	3 840 310	2	2
		2004.. 19 249	721 160	12 549	25 526	358 079	2 282 770	1 572 444	3 852 703	2	2
		2003.. 21 194	737 367	14 075	27 792	380 269	2 380 576	1 613 262	3 990 537	1	2
		2002.. 23 534	792 633	15 699	30 828	413 341	2 451 378	1 761 459	4 213 709	X	X
33994M	Office supplies (except paper) manufacturing	2005.. 18 054	701 873	11 311	22 867	332 301	2 264 616	1 595 603	3 840 310	2	2
		2004.. 19 249	721 160	12 549	25 526	358 079	2 282 770	1 572 444	3 852 703	2	2
		2003.. 21 194	737 367	14 075	27 792	380 269	2 380 576	1 613 262	3 990 537	1	2
		2002.. 23 534	792 633	15 699	30 828	413 341	2 451 378	1 761 459	4 213 709	X	X
33995	Sign manufacturing	2005.. 79 387	3 013 974	49 166	97 355	1 447 804	6 025 707	4 677 386	10 653 282	2	2
		2004.. 80 407	2 976 029	49 668	99 484	1 446 795	5 933 725	4 165 649	9 977 836	2	2
		2003.. 80 220	2 904 756	51 068	101 164	1 392 530	5 831 925	3 871 691	9 678 106	2	1
		2002.. 85 715	2 958 021	54 952	105 600	1 475 779	5 747 563	3 885 746	9 642 735	X	X
339950	Sign manufacturing	2005.. 79 387	3 013 974	49 166	97 355	1 447 804	6 025 707	4 677 386	10 653 282	2	2
		2004.. 80 407	2 976 029	49 668	99 484	1 446 795	5 933 725	4 165 649	9 977 836	2	2
		2003.. 80 220	2 904 756	51 068	101 164	1 392 530	5 831 925	3 871 691	9 678 106	2	1
		2002.. 85 715	2 958 021	54 952	105 600	1 475 779	5 747 563	3 885 746	9 642 735	X	X
33999	All other miscellaneous manufacturing	2005.. 163 470	6 138 793	112 304	229 064	3 276 480	16 939 538	11 884 343	28 535 694	2	1
		2004.. 169 358	6 069 790	117 495	237 841	3 248 906	15 877 300	11 019 770	26 777 302	1	1
		2003.. 176 545	5 980 622	125 318	246 967	3 292 686	14 459 300	10 507 294	24 984 068	1	1
		2002.. 183 850	5 855 189	131 442	249 242	3 253 255	14 624 265	10 204 448	24 791 642	X	X
339991	Gasket, packing, and sealing device manufacturing	2005.. 34 809	1 405 206	24 026	50 163	795 425	3 759 738	2 497 032	6 248 119	2	2
		2004.. 34 881	1 421 817	24 730	51 591	847 787	3 571 191	2 340 908	5 883 366	1	2
		2003.. 34 572	1 332 394	24 843	52 190	793 794	3 048 305	2 148 118	5 176 915	3	2
		2002.. 38 066	1 350 376	27 876	54 844	798 767	3 126 997	2 189 907	5 312 284	X	X
339992	Musical instrument manufacturing	2005.. 12 711	477 030	9 828	19 922	310 100	1 009 665	636 953	1 678 173	3	3
		2004.. 13 345	474 902	10 337	20 518	311 703	1 022 660	586 448	1 629 223	2	3
		2003.. 13 917	454 275	11 125	21 566	308 958	1 177 777	571 221	1 749 590	5	5
		2002.. 14 889	472 077	11 800	22 713	318 772	1 208 416	598 684	1 801 203	X	X
339993	Fastener, button, needle, and pin manufacturing	2005.. 4 292	171 058	2 805	6 321	87 950	553 540	296 240	846 046	11	16
		2004.. 4 353	164 514	2 926	6 527	87 509	516 241	274 123	790 239	10	16
		2003.. 4 833	163 201	3 473	7 379	93 399	394 291	243 214	642 036	3	3
		2002.. 5 257	171 477	3 834	7 884	97 015	417 248	250 118	669 359	X	X
339994	Broom, brush, and mop manufacturing	2005.. 11 141	399 973	7 523	15 601	227 171	1 246 284	1 149 564	2 368 389	6	4
		2004.. 11 960	420 952	8 295	17 115	241 719	1 218 602	1 071 127	2 292 180	5	4
		2003.. 14 615	459 958	10 905	22 810	275 877	1 237 568	1 005 468	2 242 974	5	5
		2002.. 14 845	459 911	11 083	22 146	271 083	1 279 424	950 009	2 214 378	X	X
339995	Burial casket manufacturing	2005.. 4 743	160 192	3 948	7 951	116 757	528 256	356 433	871 520	3	2
		2004.. 4 733	159 090	3 940	7 862	118 401	510 286	324 663	831 652	3	2
		2003.. 5 198	177 466	4 294	8 672	129 338	587 257	336 214	935 774	3	1
		2002.. 5 435	172 060	4 539	9 313	125 402	767 764	409 141	1 201 488	X	X
339999	All other miscellaneous manufacturing	2005.. 95 774	3 525 334	64 174	129 107	1 739 078	9 842 055	6 948 122	16 523 447	2	2
		2004.. 100 087	3 428 514	67 266	134 227	1 641 786	9 038 320	6 422 501	15 350 643	2	2
		2003.. 103 411	3 393 328	70 678	134 350	1 691 320	8 014 101	6 203 058	14 236 779	2	1
		2002.. 105 358	3 229 288	72 310	132 342	1 642 216	7 824 416	5 806 589	13 592 930	X	X

¹For a comparison of the Annual Survey of Manufactures (ASM) general statistics NAICS-based codes to the 2002 Economic Census NAICS codes, see Appendix F.

²Figures for 2005 represent average number of production workers for the March 12, June 12, September 12, and December 12 pay periods, plus other employees for the payroll period that includes the 12th of March. Figures for earlier years represent the average number of production workers for the payroll periods that include the 12th of March, May, August, and November, plus other employees for the March 12th pay period.

³Data represent total value of shipments for most industries. For industries 311411, 311412, 311421, 311422, 311711, 311712, 311941, 311999, 312140, 312210, 312221, and 312229 value of production is shown. For industry 336611, value of work done is shown.

⁴Description of relative standard error of estimate is given in Appendix C. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note 1: Previous years' data may differ from that published in the 2004 Annual Survey of Manufactures (ASM) because of changes encountered in subsequent review of the 2005 ASM.

Note 2: The data in this table are based on the 2005 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
31-33	Manufacturing	2005.. 13 168 822	741 251 422	579 890 961	161 360 460	1
		2004.. 13 394 079	727 472 967	569 703 575	157 769 391	1
		2003.. 13 872 958	722 101 003	567 602 408	154 498 595	1
		2002.. 14 664 385	725 238 135	575 165 127	150 073 008	X
311	Food manufacturing	2005.. 1 438 834	61 271 784	47 797 025	13 474 759	1
		2004.. 1 446 766	59 558 832	46 416 428	13 142 404	1
		2003.. 1 471 449	58 404 500	45 928 493	12 476 007	1
		2002.. 1 506 781	57 394 455	45 490 100	11 904 355	X
3111	Animal food manufacturing	2005.. 43 890	2 347 178	1 842 150	505 028	2
		2004.. 43 163	2 235 806	1 735 920	499 886	2
		2003.. 47 327	2 301 762	1 831 687	470 076	2
		2002.. 46 974	2 224 144	1 759 231	464 913	X
31111	Animal food manufacturing	2005.. 43 890	2 347 178	1 842 150	505 028	2
		2004.. 43 163	2 235 806	1 735 920	499 886	2
		2003.. 47 327	2 301 762	1 831 687	470 076	2
		2002.. 46 974	2 224 144	1 759 231	464 913	X
311111	Dog and cat food manufacturing	2005.. 14 521	908 893	680 750	228 142	2
		2004.. 13 019	845 682	618 365	227 317	2
		2003.. 14 164	825 647	627 731	197 916	2
		2002.. 14 393	834 522	630 649	203 873	X
311119	Other animal food manufacturing	2005.. 29 369	1 438 286	1 161 400	276 886	2
		2004.. 30 144	1 390 124	1 117 555	272 569	2
		2003.. 33 163	1 476 116	1 203 955	272 160	4
		2002.. 32 581	1 389 622	1 128 582	261 040	X
3112	Grain and oilseed milling	2005.. 52 928	3 441 796	2 625 161	816 635	1
		2004.. 51 809	3 281 892	2 515 893	765 999	1
		2003.. 53 486	3 157 363	2 468 567	688 796	1
		2002.. 54 899	3 117 133	2 458 461	658 672	X
31121	Flour milling and malt manufacturing	2005.. 15 130	821 164	626 831	194 333	1
		2004.. 15 195	802 121	619 840	182 280	1
		2003.. 15 267	790 246	618 486	171 760	2
		2002.. 15 957	754 306	608 798	145 508	X
31121M	Flour milling and malt manufacturing	2005.. 15 130	821 164	626 831	194 333	1
		2004.. 15 195	802 121	619 840	182 280	1
		2003.. 15 267	790 246	618 486	171 760	2
		2002.. 15 957	754 306	608 798	145 508	X
31122	Starch and vegetable fats and oils manufacturing	2005.. 24 351	1 571 119	1 200 105	371 014	1
		2004.. 24 320	1 528 963	1 166 547	362 416	1
		2003.. 25 617	1 479 367	1 150 375	328 992	1
		2002.. 26 328	1 481 377	1 159 082	322 295	X
311221	Wet corn milling	2005.. 8 719	663 654	503 614	160 040	1
		2004.. 8 771	650 720	497 291	153 429	1
		2003.. 8 833	614 849	481 502	133 347	2
		2002.. 9 112	623 960	484 465	139 495	X
311225	Fats and oils refining and blending	2005.. 7 199	429 790	324 524	105 266	1
		2004.. 7 254	423 722	320 132	103 590	1
		2003.. 7 040	372 109	283 514	88 595	1
		2002.. 8 267	424 733	326 088	98 645	X
31122N	Soybean and other oilseed processing	2005.. 8 433	477 675	371 967	105 709	3
		2004.. 8 295	454 520	349 124	105 396	3
		2003.. 9 744	492 409	385 360	107 050	2
		2002.. 8 949	432 684	348 529	84 155	X
31123	Breakfast cereal manufacturing	2005.. 13 447	1 049 513	798 225	251 289	1
		2004.. 12 294	950 809	729 506	221 303	1
		2003.. 12 603	887 751	699 706	188 044	1
		2002.. 12 614	881 450	690 581	190 869	X
311230	Breakfast cereal manufacturing	2005.. 13 447	1 049 513	798 225	251 289	1
		2004.. 12 294	950 809	729 506	221 303	1
		2003.. 12 603	887 751	699 706	188 044	1
		2002.. 12 614	881 450	690 581	190 869	X
3113	Sugar and confectionery product manufacturing	2005.. 68 397	3 596 398	2 699 242	897 157	1
		2004.. 70 093	3 530 755	2 669 564	861 190	1
		2003.. 76 726	3 644 606	2 805 598	839 008	1
		2002.. 80 351	3 517 985	2 732 023	785 962	X
31131	Sugar manufacturing	2005.. 14 183	795 148	609 113	186 035	1
		2004.. 13 864	750 879	590 164	160 714	1
		2003.. 14 623	799 237	646 201	153 036	3
		2002.. 14 644	716 718	564 153	152 565	X
311313	Beet sugar manufacturing	2005.. 6 788	339 710	266 124	73 586	1
		2004.. 6 432	314 821	249 179	65 643	1
		2003.. 6 532	338 353	281 061	57 292	7
		2002.. 5 738	285 121	221 896	63 225	X
31131N	Sugar cane mills and refining	2005.. 7 396	455 438	342 989	112 449	1
		2004.. 7 432	436 057	340 986	95 072	1
		2003.. 8 091	460 884	365 140	95 745	1
		2002.. 8 906	431 597	342 257	89 340	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
311	Food manufacturing—Con.					
3113	Sugar and confectionery product manufacturing—Con.					
31132	Chocolate and confectionery manufacturing from cacao beans	2005.. 7 942	482 033	353 986	128 047	1
		2004.. 8 659	520 933	378 875	142 059	1
		2003.. 8 999	517 947	372 625	145 321	5
		2002.. 8 789	509 174	378 456	130 718	X
311320	Chocolate and confectionery manufacturing from cacao beans	2005.. 7 942	482 033	353 986	128 047	1
		2004.. 8 659	520 933	378 875	142 059	1
		2003.. 8 999	517 947	372 625	145 321	5
		2002.. 8 789	509 174	378 456	130 718	X
31133	Confectionery manufacturing from purchased chocolate	2005.. 26 442	1 282 264	961 868	320 396	1
		2004.. 28 041	1 275 149	964 745	310 404	1
		2003.. 31 580	1 308 393	1 005 533	302 859	1
		2002.. 32 881	1 288 978	1 004 206	284 772	X
311330	Confectionery manufacturing from purchased chocolate	2005.. 26 442	1 282 264	961 868	320 396	1
		2004.. 28 041	1 275 149	964 745	310 404	1
		2003.. 31 580	1 308 393	1 005 533	302 859	1
		2002.. 32 881	1 288 978	1 004 206	284 772	X
31134	Nonchocolate confectionery manufacturing	2005.. 19 830	1 036 954	774 275	262 678	2
		2004.. 19 529	983 794	735 781	248 013	2
		2003.. 21 523	1 019 030	781 239	237 791	1
		2002.. 24 037	1 003 115	785 208	217 907	X
311340	Nonchocolate confectionery manufacturing	2005.. 19 830	1 036 954	774 275	262 678	2
		2004.. 19 529	983 794	735 781	248 013	2
		2003.. 21 523	1 019 030	781 239	237 791	1
		2002.. 24 037	1 003 115	785 208	217 907	X
3114	Fruit and vegetable preserving and specialty food manufacturing	2005.. 166 962	7 375 097	5 614 439	1 760 658	1
		2004.. 164 623	6 884 445	5 230 689	1 653 756	1
		2003.. 171 303	7 057 805	5 411 310	1 646 495	2
		2002.. 179 594	7 093 604	5 460 993	1 632 611	X
31141	Frozen food manufacturing	2005.. 85 727	3 522 164	2 718 875	803 289	1
		2004.. 84 167	3 243 523	2 475 513	768 010	1
		2003.. 87 244	3 313 808	2 546 244	767 564	2
		2002.. 90 586	3 273 147	2 523 995	749 152	X
31141M	Frozen food manufacturing	2005.. 85 727	3 522 164	2 718 875	803 289	1
		2004.. 84 167	3 243 523	2 475 513	768 010	1
		2003.. 87 244	3 313 808	2 546 244	767 564	2
		2002.. 90 586	3 273 147	2 523 995	749 152	X
31142	Fruit and vegetable canning, pickling, and drying	2005.. 81 234	3 852 933	2 895 564	957 369	1
		2004.. 80 456	3 640 922	2 755 176	885 747	1
		2003.. 84 059	3 743 997	2 865 066	878 931	3
		2002.. 89 008	3 820 457	2 936 998	883 459	X
31142M	Fruit and vegetable canning, pickling, and drying	2005.. 81 234	3 852 933	2 895 564	957 369	1
		2004.. 80 456	3 640 922	2 755 176	885 747	1
		2003.. 84 059	3 743 997	2 865 066	878 931	3
		2002.. 89 008	3 820 457	2 936 998	883 459	X
3115	Dairy product manufacturing	2005.. 127 774	6 992 377	5 315 790	1 676 587	1
		2004.. 126 664	6 683 553	5 093 610	1 589 943	1
		2003.. 129 557	6 520 259	5 013 575	1 506 684	1
		2002.. 129 842	6 255 313	4 860 690	1 394 623	X
31151	Dairy product (except frozen) manufacturing	2005.. 108 597	6 043 499	4 573 451	1 470 048	1
		2004.. 108 784	5 789 214	4 396 528	1 392 686	1
		2003.. 110 264	5 608 709	4 299 968	1 308 741	1
		2002.. 109 346	5 341 766	4 131 227	1 210 539	X
311513	Cheese manufacturing	2005.. 37 647	1 919 115	1 436 860	482 255	2
		2004.. 36 655	1 798 169	1 359 108	439 061	2
		2003.. 36 853	1 719 223	1 318 666	400 557	2
		2002.. 37 280	1 640 040	1 271 810	368 230	X
311514	Dry, condensed, and evaporated dairy product manufacturing	2005.. 12 614	851 097	633 557	217 540	1
		2004.. 13 187	820 077	604 490	215 587	1
		2003.. 14 186	832 787	612 222	220 566	4
		2002.. 13 901	801 393	598 025	203 368	X
31151N	Fluid milk and butter manufacturing	2005.. 58 336	3 273 287	2 503 034	770 253	1
		2004.. 58 942	3 170 969	2 432 930	738 038	1
		2003.. 59 226	3 056 699	2 369 080	687 618	1
		2002.. 58 165	2 900 333	2 261 392	638 941	X
31152	Ice cream and frozen dessert manufacturing	2005.. 19 177	948 878	742 339	206 539	2
		2004.. 17 879	894 338	697 081	197 257	2
		2003.. 19 293	911 550	713 607	197 943	2
		2002.. 20 496	913 547	729 463	184 084	X
311520	Ice cream and frozen dessert manufacturing	2005.. 19 177	948 878	742 339	206 539	2
		2004.. 17 879	894 338	697 081	197 257	2
		2003.. 19 293	911 550	713 607	197 943	2
		2002.. 20 496	913 547	729 463	184 084	X
3116	Animal slaughtering and processing	2005.. 485 965	16 354 574	13 285 735	3 068 839	1
		2004.. 489 172	16 100 324	13 030 945	3 069 379	1
		2003.. 493 247	15 582 010	12 662 339	2 919 671	1
		2002.. 505 923	15 505 473	12 642 822	2 862 651	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
311	Food manufacturing—Con.					
3116	Animal slaughtering and processing—Con.					
31161	Animal slaughtering and processing.....	2005.. 485 965	16 354 574	13 285 735	3 068 839	1
		2004.. 489 172	16 100 324	13 030 945	3 069 379	1
		2003.. 493 247	15 582 010	12 662 339	2 919 671	1
		2002.. 505 923	15 505 473	12 642 822	2 862 651	X
311615	Poultry processing	2005.. 226 396	6 486 990	5 328 010	1 158 980	1
		2004.. 233 003	6 395 537	5 247 457	1 148 080	1
		2003.. 231 576	6 122 939	5 003 797	1 119 142	1
		2002.. 243 831	6 301 405	5 144 956	1 156 449	X
31161N	Animal (except poultry) slaughtering and processing	2005.. 259 569	9 867 584	7 957 725	1 909 859	1
		2004.. 256 169	9 704 787	7 783 488	1 921 299	1
		2003.. 261 671	9 459 071	7 658 543	1 800 528	1
		2002.. 262 092	9 204 068	7 497 866	1 706 202	X
3117	Seafood product preparation and packaging	2005.. 39 243	1 381 951	1 172 012	209 939	2
		2004.. 39 038	1 285 963	1 086 479	199 485	2
		2003.. 42 764	1 333 644	1 129 140	204 505	6
		2002.. 41 301	1 246 387	1 058 106	188 281	X
31171	Seafood product preparation and packaging	2005.. 39 243	1 381 951	1 172 012	209 939	2
		2004.. 39 038	1 285 963	1 086 479	199 485	2
		2003.. 42 764	1 333 644	1 129 140	204 505	6
		2002.. 41 301	1 246 387	1 058 106	188 281	X
31171M	Seafood product preparation and packaging	2005.. 39 243	1 381 951	1 172 012	209 939	2
		2004.. 39 038	1 285 963	1 086 479	199 485	2
		2003.. 42 764	1 333 644	1 129 140	204 505	6
		2002.. 41 301	1 246 387	1 058 106	188 281	X
3118	Bakeries and tortilla manufacturing	2005.. 278 573	11 626 652	8 809 574	2 817 078	1
		2004.. 285 766	11 765 767	8 862 536	2 903 230	1
		2003.. 294 581	11 793 711	8 969 186	2 824 525	1
		2002.. 307 765	11 955 928	9 246 308	2 709 620	X
31181	Bread and bakery product manufacturing	2005.. 218 870	8 874 480	6 758 409	2 116 070	1
		2004.. 224 224	9 013 439	6 805 665	2 207 774	1
		2003.. 230 207	8 832 663	6 724 911	2 107 752	2
		2002.. 239 823	9 004 642	6 947 056	2 057 586	X
31181M	Bread and bakery product manufacturing	2005.. 218 870	8 874 480	6 758 409	2 116 070	1
		2004.. 224 224	9 013 439	6 805 665	2 207 774	1
		2003.. 230 207	8 832 663	6 724 911	2 107 752	2
		2002.. 239 823	9 004 642	6 947 056	2 057 586	X
31182	Cookie, cracker, and pasta manufacturing	2005.. 46 757	2 337 530	1 715 739	621 791	1
		2004.. 49 555	2 370 239	1 746 311	623 928	1
		2003.. 51 651	2 578 327	1 940 837	637 490	2
		2002.. 55 348	2 563 391	1 989 643	573 748	X
31182M	Cookie, cracker, and pasta manufacturing	2005.. 46 757	2 337 530	1 715 739	621 791	1
		2004.. 49 555	2 370 239	1 746 311	623 928	1
		2003.. 51 651	2 578 327	1 940 837	637 490	2
		2002.. 55 348	2 563 391	1 989 643	573 748	X
31183	Tortilla manufacturing	2005.. 12 945	414 642	335 426	79 217	5
		2004.. 11 988	382 089	310 560	71 528	3
		2003.. 12 723	382 720	303 438	79 282	2
		2002.. 12 594	387 895	309 609	78 286	X
311830	Tortilla manufacturing	2005.. 12 945	414 642	335 426	79 217	5
		2004.. 11 988	382 089	310 560	71 528	3
		2003.. 12 723	382 720	303 438	79 282	2
		2002.. 12 594	387 895	309 609	78 286	X
3119	Other food manufacturing	2005.. 175 102	8 155 761	6 432 922	1 722 839	1
		2004.. 176 438	7 790 327	6 190 792	1 599 536	1
		2003.. 162 456	7 013 339	5 637 090	1 376 249	1
		2002.. 160 132	6 478 488	5 271 466	1 207 022	X
31191	Snack food manufacturing	2005.. 47 043	2 006 129	1 489 468	516 661	2
		2004.. 47 496	1 869 766	1 414 110	455 656	1
		2003.. 45 003	1 763 135	1 395 770	367 364	3
		2002.. 45 459	1 674 717	1 374 852	299 865	X
31191M	Snack food manufacturing	2005.. 47 043	2 006 129	1 489 468	516 661	2
		2004.. 47 496	1 869 766	1 414 110	455 656	1
		2003.. 45 003	1 763 135	1 395 770	367 364	3
		2002.. 45 459	1 674 717	1 374 852	299 865	X
31192	Coffee and tea manufacturing	2005.. 10 700	671 951	522 331	149 620	2
		2004.. 10 981	649 221	502 006	147 215	2
		2003.. 11 600	661 529	514 707	146 822	2
		2002.. 11 431	615 843	482 463	133 380	X
311920	Coffee and tea manufacturing	2005.. 10 700	671 951	522 331	149 620	2
		2004.. 10 981	649 221	502 006	147 215	2
		2003.. 11 600	661 529	514 707	146 822	2
		2002.. 11 431	615 843	482 463	133 380	X
31193	Flavoring syrup and concentrate manufacturing	2005.. 5 553	329 959	262 458	67 500	4
		2004.. 5 424	310 268	246 268	64 000	4
		2003.. 5 704	291 590	235 538	56 052	7
		2002.. 5 184	267 650	215 017	52 633	X
311930	Flavoring syrup and concentrate manufacturing	2005.. 5 553	329 959	262 458	67 500	4
		2004.. 5 424	310 268	246 268	64 000	4
		2003.. 5 704	291 590	235 538	56 052	7
		2002.. 5 184	267 650	215 017	52 633	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
311	Food manufacturing—Con.					
3119	Other food manufacturing—Con.					
31194	Seasoning and dressing manufacturing.....	2005.. 30 881	1 792 852	1 414 462	378 390	1
		2004.. 30 064	1 672 402	1 330 666	341 736	1
		2003.. 29 665	1 563 094	1 247 711	315 383	2
		2002.. 29 447	1 477 361	1 194 035	283 326	X
31194M	Seasoning and dressing manufacturing.....	2005.. 30 881	1 792 852	1 414 462	378 390	1
		2004.. 30 064	1 672 402	1 330 666	341 736	1
		2003.. 29 665	1 563 094	1 247 711	315 383	2
		2002.. 29 447	1 477 361	1 194 035	283 326	X
31199	All other food manufacturing	2005.. 80 925	3 354 870	2 744 203	610 667	1
		2004.. 82 472	3 288 671	2 697 742	590 928	1
		2003.. 70 484	2 733 991	2 243 364	490 627	2
		2002.. 68 611	2 442 917	2 005 099	437 818	X
31199M	All other food manufacturing	2005.. 80 925	3 354 870	2 744 203	610 667	1
		2004.. 82 472	3 288 671	2 697 742	590 928	1
		2003.. 70 484	2 733 991	2 243 364	490 627	2
		2002.. 68 611	2 442 917	2 005 099	437 818	X
312	Beverage and tobacco product manufacturing	2005.. 144 567	9 664 197	7 049 306	2 614 891	1
		2004.. 145 637	9 303 211	6 918 370	2 384 841	1
		2003.. 148 456	9 187 572	6 884 124	2 303 448	2
		2002.. 159 589	9 115 089	6 924 404	2 190 685	X
3121	Beverage manufacturing	2005.. 123 676	7 673 596	5 771 178	1 902 418	1
		2004.. 123 691	7 394 595	5 628 217	1 766 378	1
		2003.. 123 940	7 183 418	5 485 936	1 697 482	3
		2002.. 134 546	7 159 262	5 523 737	1 635 525	X
31211	Soft drink and ice manufacturing	2005.. 69 798	3 667 863	2 895 038	772 825	1
		2004.. 70 888	3 599 597	2 853 303	746 294	1
		2003.. 70 544	3 429 930	2 736 390	693 540	8
		2002.. 76 412	3 529 247	2 767 824	761 423	X
31211M	Soft drink and ice manufacturing	2005.. 69 798	3 667 863	2 895 038	772 825	1
		2004.. 70 888	3 599 597	2 853 303	746 294	1
		2003.. 70 544	3 429 930	2 736 390	693 540	8
		2002.. 76 412	3 529 247	2 767 824	761 423	X
31212	Breweries	2005.. 24 294	2 191 789	1 441 252	750 537	1
		2004.. 24 408	2 067 888	1 386 415	681 474	1
		2003.. 24 960	2 124 366	1 446 838	677 528	1
		2002.. 28 347	2 025 009	1 463 189	561 820	X
312120	Breweries	2005.. 24 294	2 191 789	1 441 252	750 537	1
		2004.. 24 408	2 067 888	1 386 415	681 474	1
		2003.. 24 960	2 124 366	1 446 838	677 528	1
		2002.. 28 347	2 025 009	1 463 189	561 820	X
31213	Wineries	2005.. 24 122	1 468 891	1 162 254	306 637	3
		2004.. 23 335	1 409 473	1 135 911	273 562	2
		2003.. 23 116	1 311 783	1 051 228	260 555	2
		2002.. 24 182	1 287 506	1 039 303	248 203	X
312130	Wineries	2005.. 24 122	1 468 891	1 162 254	306 637	3
		2004.. 23 335	1 409 473	1 135 911	273 562	2
		2003.. 23 116	1 311 783	1 051 228	260 555	2
		2002.. 24 182	1 287 506	1 039 303	248 203	X
31214	Distilleries	2005.. 5 462	345 053	272 634	72 419	2
		2004.. 5 060	317 637	252 588	65 048	1
		2003.. 5 320	317 338	251 480	65 858	3
		2002.. 5 605	317 500	253 421	64 079	X
312140	Distilleries	2005.. 5 462	345 053	272 634	72 419	2
		2004.. 5 060	317 637	252 588	65 048	1
		2003.. 5 320	317 338	251 480	65 858	3
		2002.. 5 605	317 500	253 421	64 079	X
3122	Tobacco manufacturing	2005.. 20 891	1 990 601	1 278 128	712 473	1
		2004.. 21 946	1 908 616	1 290 153	618 463	1
		2003.. 24 516	2 004 154	1 398 187	605 967	1
		2002.. 25 043	1 955 827	1 400 667	555 160	X
31221	Tobacco stemming and redrying	2005.. 2 058	85 337	62 683	22 654	1
		2004.. 2 302	87 144	67 262	19 882	1
		2003.. 2 549	96 876	75 006	21 870	1
		2002.. 2 592	92 583	71 791	20 792	X
312210	Tobacco stemming and redrying	2005.. 2 058	85 337	62 683	22 654	1
		2004.. 2 302	87 144	67 262	19 882	1
		2003.. 2 549	96 876	75 006	21 870	1
		2002.. 2 592	92 583	71 791	20 792	X
31222	Tobacco product manufacturing	2005.. 18 833	1 905 264	1 215 445	689 819	1
		2004.. 19 644	1 821 472	1 222 891	598 581	1
		2003.. 21 967	1 907 278	1 323 181	584 097	1
		2002.. 22 451	1 863 244	1 328 876	534 368	X
31222M	Tobacco product manufacturing	2005.. 18 833	1 905 264	1 215 445	689 819	1
		2004.. 19 644	1 821 472	1 222 891	598 581	1
		2003.. 21 967	1 907 278	1 323 181	584 097	1
		2002.. 22 451	1 863 244	1 328 876	534 368	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—	
			Total	Payroll	Total fringe benefits		
			A	B	C		D
313	Textile mills	2005..	195 125	7 908 735	6 252 415	1 656 320	1
		2004..	215 612	8 393 300	6 629 830	1 763 470	1
		2003..	248 451	9 088 774	7 212 005	1 876 770	1
		2002..	268 412	9 542 560	7 650 086	1 892 474	X
3131	Fiber, yarn, and thread mills	2005..	48 086	1 727 007	1 361 889	365 118	2
		2004..	52 121	1 813 578	1 424 947	388 632	2
		2003..	59 008	1 931 452	1 516 125	415 328	1
		2002..	62 338	2 015 628	1 603 804	411 824	X
31311	Fiber, yarn, and thread mills	2005..	48 086	1 727 007	1 361 889	365 118	2
		2004..	52 121	1 813 578	1 424 947	388 632	2
		2003..	59 008	1 931 452	1 516 125	415 328	1
		2002..	62 338	2 015 628	1 603 804	411 824	X
31311M	Fiber, yarn, and thread mills	2005..	48 086	1 727 007	1 361 889	365 118	2
		2004..	52 121	1 813 578	1 424 947	388 632	2
		2003..	59 008	1 931 452	1 516 125	415 328	1
		2002..	62 338	2 015 628	1 603 804	411 824	X
3132	Fabric mills	2005..	98 721	4 179 355	3 260 389	918 966	1
		2004..	110 486	4 524 173	3 525 359	998 814	1
		2003..	130 128	4 972 952	3 915 275	1 057 676	1
		2002..	141 835	5 230 744	4 151 595	1 079 149	X
31321	Broadwoven fabric mills	2005..	51 606	1 901 782	1 505 454	396 328	2
		2004..	60 132	2 208 939	1 737 224	471 715	1
		2003..	72 940	2 536 145	2 011 552	524 594	1
		2002..	81 071	2 815 520	2 251 153	564 367	X
313210	Broadwoven fabric mills	2005..	51 606	1 901 782	1 505 454	396 328	2
		2004..	60 132	2 208 939	1 737 224	471 715	1
		2003..	72 940	2 536 145	2 011 552	524 594	1
		2002..	81 071	2 815 520	2 251 153	564 367	X
31322	Narrow fabric mills and schiffli machine embroidery	2005..	10 761	421 377	329 595	91 781	4
		2004..	11 367	446 783	351 134	95 649	4
		2003..	12 964	457 985	367 210	90 775	2
		2002..	14 283	465 370	376 226	89 144	X
31322M	Narrow fabric mills and schiffli machine embroidery	2005..	10 761	421 377	329 595	91 781	4
		2004..	11 367	446 783	351 134	95 649	4
		2003..	12 964	457 985	367 210	90 775	2
		2002..	14 283	465 370	376 226	89 144	X
31323	Nonwoven fabric mills	2005..	19 358	1 205 460	912 313	293 147	1
		2004..	20 048	1 172 768	882 706	290 062	1
		2003..	21 044	1 171 300	889 187	282 113	2
		2002..	21 720	1 127 224	857 228	269 996	X
313230	Nonwoven fabric mills	2005..	19 358	1 205 460	912 313	293 147	1
		2004..	20 048	1 172 768	882 706	290 062	1
		2003..	21 044	1 171 300	889 187	282 113	2
		2002..	21 720	1 127 224	857 228	269 996	X
31324	Knit fabric mills	2005..	16 995	650 736	513 026	137 710	3
		2004..	18 938	695 682	554 295	141 387	2
		2003..	23 180	807 522	647 327	160 196	2
		2002..	24 761	822 630	666 988	155 642	X
31324M	Knit fabric mills	2005..	16 995	650 736	513 026	137 710	3
		2004..	18 938	695 682	554 295	141 387	2
		2003..	23 180	807 522	647 327	160 196	2
		2002..	24 761	822 630	666 988	155 642	X
3133	Textile and fabric finishing and fabric coating mills	2005..	48 318	2 002 373	1 630 137	372 235	2
		2004..	53 005	2 055 549	1 679 525	376 024	2
		2003..	59 315	2 184 370	1 780 604	403 766	2
		2002..	64 239	2 296 188	1 894 687	401 501	X
31331	Textile and fabric finishing mills	2005..	39 150	1 538 306	1 262 708	275 598	2
		2004..	44 129	1 613 501	1 328 388	285 113	2
		2003..	50 201	1 741 869	1 426 541	315 329	2
		2002..	55 053	1 861 987	1 545 214	316 773	X
31331M	Textile and fabric finishing mills	2005..	39 150	1 538 306	1 262 708	275 598	2
		2004..	44 129	1 613 501	1 328 388	285 113	2
		2003..	50 201	1 741 869	1 426 541	315 329	2
		2002..	55 053	1 861 987	1 545 214	316 773	X
31332	Fabric coating mills	2005..	9 168	464 066	367 429	96 637	2
		2004..	8 875	442 048	351 137	90 911	3
		2003..	9 114	442 501	354 063	88 437	2
		2002..	9 186	434 201	349 473	84 728	X
313320	Fabric coating mills	2005..	9 168	464 066	367 429	96 637	2
		2004..	8 875	442 048	351 137	90 911	3
		2003..	9 114	442 501	354 063	88 437	2
		2002..	9 186	434 201	349 473	84 728	X
314	Textile product mills	2005..	156 639	5 610 315	4 587 210	1 023 105	1
		2004..	166 284	5 753 592	4 705 304	1 048 289	1
		2003..	170 448	5 633 271	4 624 785	1 008 487	1
		2002..	182 392	5 755 292	4 744 698	1 010 594	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
314	Textile product mills—Con.					
3141	Textile furnishings mills.....					
	2005..	82 171	2 912 792	2 370 647	542 145	2
	2004..	88 764	3 060 883	2 489 943	570 940	1
	2003..	94 545	3 090 436	2 516 803	573 633	1
	2002..	101 233	3 162 783	2 602 838	559 945	X
31411	Carpet and rug mills					
	2005..	38 689	1 577 108	1 266 389	310 719	2
	2004..	40 361	1 588 251	1 279 441	308 810	2
	2003..	41 971	1 604 750	1 289 558	315 192	1
	2002..	44 166	1 603 004	1 301 833	301 171	X
314110	Carpet and rug mills					
	2005..	38 689	1 577 108	1 266 389	310 719	2
	2004..	40 361	1 588 251	1 279 441	308 810	2
	2003..	41 971	1 604 750	1 289 558	315 192	1
	2002..	44 166	1 603 004	1 301 833	301 171	X
31412	Curtain and linen mills.....					
	2005..	43 482	1 335 684	1 104 259	231 426	2
	2004..	48 403	1 472 632	1 210 502	262 130	2
	2003..	52 574	1 485 686	1 227 245	258 441	1
	2002..	57 067	1 559 779	1 301 005	258 774	X
31412M	Curtain and linen mills.....					
	2005..	43 482	1 335 684	1 104 259	231 426	2
	2004..	48 403	1 472 632	1 210 502	262 130	2
	2003..	52 574	1 485 686	1 227 245	258 441	1
	2002..	57 067	1 559 779	1 301 005	258 774	X
3149	Other textile product mills					
	2005..	74 468	2 697 523	2 216 563	480 960	2
	2004..	77 520	2 692 709	2 215 360	477 349	2
	2003..	75 903	2 542 835	2 107 982	434 853	3
	2002..	81 159	2 592 509	2 141 860	450 649	X
31491	Textile bag and canvas mills					
	2005..	25 567	896 641	758 851	137 790	3
	2004..	25 729	874 310	741 186	133 124	3
	2003..	25 390	802 230	691 731	110 499	8
	2002..	24 975	785 201	672 997	112 204	X
31491M	Textile bag and canvas mills					
	2005..	25 567	896 641	758 851	137 790	3
	2004..	25 729	874 310	741 186	133 124	3
	2003..	25 390	802 230	691 731	110 499	8
	2002..	24 975	785 201	672 997	112 204	X
31499	All other textile product mills					
	2005..	48 901	1 800 882	1 457 712	343 170	3
	2004..	51 790	1 818 399	1 474 174	344 225	3
	2003..	50 513	1 740 605	1 416 251	324 355	3
	2002..	56 184	1 807 308	1 468 863	338 445	X
314991	Rope, cordage, and twine mills					
	2005..	4 168	174 846	140 137	34 709	4
	2004..	4 300	181 015	147 581	33 433	4
	2003..	4 449	172 446	143 309	29 137	3
	2002..	5 167	186 379	156 117	30 262	X
314992	Tire cord and tire fabric mills					
	2005..	4 082	229 524	158 992	70 532	1
	2004..	4 137	231 834	158 293	73 541	1
	2003..	4 695	249 608	170 118	79 490	1
	2002..	4 595	223 623	153 564	70 059	X
314999	All other miscellaneous textile product mills					
	2005..	40 652	1 396 511	1 158 583	237 928	4
	2004..	43 354	1 405 550	1 168 300	237 250	4
	2003..	41 369	1 318 551	1 102 824	215 728	5
	2002..	46 422	1 397 306	1 159 182	238 124	X
315	Apparel manufacturing					
	2005..	223 655	6 430 338	5 428 638	1 001 700	1
	2004..	251 877	7 000 038	5 871 031	1 129 007	1
	2003..	294 128	7 858 687	6 617 296	1 241 390	1
	2002..	337 125	8 706 969	7 341 115	1 365 854	X
3151	Apparel knitting mills					
	2005..	31 234	990 157	788 434	201 723	3
	2004..	35 544	1 078 921	861 976	216 945	3
	2003..	42 858	1 286 618	1 038 531	248 087	3
	2002..	50 617	1 428 218	1 169 296	258 922	X
31511	Hosiery and sock mills					
	2005..	23 882	754 566	600 631	153 935	2
	2004..	26 453	802 649	642 061	160 588	2
	2003..	29 535	888 758	714 270	174 488	3
	2002..	33 214	935 461	762 023	173 438	X
31511M	Hosiery and sock mills					
	2005..	23 882	754 566	600 631	153 935	2
	2004..	26 453	802 649	642 061	160 588	2
	2003..	29 535	888 758	714 270	174 488	3
	2002..	33 214	935 461	762 023	173 438	X
31519	Other apparel knitting mills					
	2005..	7 352	235 590	187 803	47 788	11
	2004..	9 091	276 272	219 915	56 357	9
	2003..	13 323	397 860	324 261	73 599	3
	2002..	17 403	492 757	407 273	85 484	X
31519M	Other apparel knitting mills					
	2005..	7 352	235 590	187 803	47 788	11
	2004..	9 091	276 272	219 915	56 357	9
	2003..	13 323	397 860	324 261	73 599	3
	2002..	17 403	492 757	407 273	85 484	X
3152	Cut and sew apparel manufacturing					
	2005..	171 850	4 821 461	4 111 412	710 049	2
	2004..	193 829	5 283 249	4 467 330	815 919	1
	2003..	225 445	5 831 203	4 950 041	881 161	1
	2002..	258 795	6 518 816	5 525 656	993 160	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
315	Apparel manufacturing—Con.					
3152	Cut and sew apparel manufacturing—Con.					
31521	Cut and sew apparel contractors	2005.. 70 504	1 535 649	1 331 553	204 096	4
		2004.. 78 596	1 592 953	1 378 820	214 133	3
		2003.. 86 374	1 577 926	1 362 525	215 401	3
		2002.. 98 680	1 774 716	1 528 818	245 898	X
31521M	Cut and sew apparel contractors	2005.. 70 504	1 535 649	1 331 553	204 096	4
		2004.. 78 596	1 592 953	1 378 820	214 133	3
		2003.. 86 374	1 577 926	1 362 525	215 401	3
		2002.. 98 680	1 774 716	1 528 818	245 898	X
31522	Men's and boys' cut and sew apparel manufacturing	2005.. 42 677	1 186 942	958 837	228 105	3
		2004.. 48 092	1 339 690	1 070 999	268 691	2
		2003.. 56 603	1 547 436	1 245 674	301 763	2
		2002.. 68 698	1 825 609	1 468 015	357 594	X
31522M	Men's and boys' cut and sew apparel manufacturing	2005.. 42 677	1 186 942	958 837	228 105	3
		2004.. 48 092	1 339 690	1 070 999	268 691	2
		2003.. 56 603	1 547 436	1 245 674	301 763	2
		2002.. 68 698	1 825 609	1 468 015	357 594	X
31523	Women's and girls' cut and sew apparel manufacturing	2005.. 45 151	1 705 862	1 482 723	223 139	3
		2004.. 52 613	1 946 721	1 669 309	277 412	2
		2003.. 64 964	2 244 303	1 942 860	301 443	2
		2002.. 72 640	2 449 547	2 126 494	323 053	X
31523M	Women's and girls' cut and sew apparel manufacturing	2005.. 45 151	1 705 862	1 482 723	223 139	3
		2004.. 52 613	1 946 721	1 669 309	277 412	2
		2003.. 64 964	2 244 303	1 942 860	301 443	2
		2002.. 72 640	2 449 547	2 126 494	323 053	X
31529	Other cut and sew apparel manufacturing	2005.. 13 518	393 008	338 298	54 710	5
		2004.. 14 529	403 885	348 202	55 683	4
		2003.. 17 504	461 537	398 983	62 555	3
		2002.. 18 777	468 944	402 329	66 615	X
31529M	Other cut and sew apparel manufacturing	2005.. 13 518	393 008	338 298	54 710	5
		2004.. 14 529	403 885	348 202	55 683	4
		2003.. 17 504	461 537	398 983	62 555	3
		2002.. 18 777	468 944	402 329	66 615	X
3159	Apparel accessories and other apparel manufacturing	2005.. 20 571	618 720	528 792	89 927	7
		2004.. 22 503	637 868	541 725	96 143	5
		2003.. 25 825	740 866	628 724	112 142	2
		2002.. 27 713	759 935	646 163	113 772	X
31599	Apparel accessories and other apparel manufacturing	2005.. 20 571	618 720	528 792	89 927	7
		2004.. 22 503	637 868	541 725	96 143	5
		2003.. 25 825	740 866	628 724	112 142	2
		2002.. 27 713	759 935	646 163	113 772	X
31599M	Apparel accessories and other apparel manufacturing	2005.. 20 571	618 720	528 792	89 927	7
		2004.. 22 503	637 868	541 725	96 143	5
		2003.. 25 825	740 866	628 724	112 142	2
		2002.. 27 713	759 935	646 163	113 772	X
316	Leather and allied product manufacturing	2005.. 37 384	1 356 478	1 100 770	255 708	1
		2004.. 38 811	1 340 121	1 089 557	250 564	1
		2003.. 40 616	1 375 222	1 121 737	253 484	2
		2002.. 44 607	1 427 801	1 177 167	250 634	X
3161	Leather and hide tanning and finishing	2005.. 6 080	290 656	229 709	60 947	1
		2004.. 6 928	298 179	234 357	63 822	1
		2003.. 7 871	331 810	257 977	73 833	3
		2002.. 8 837	352 182	280 689	71 493	X
31611	Leather and hide tanning and finishing	2005.. 6 080	290 656	229 709	60 947	1
		2004.. 6 928	298 179	234 357	63 822	1
		2003.. 7 871	331 810	257 977	73 833	3
		2002.. 8 837	352 182	280 689	71 493	X
316110	Leather and hide tanning and finishing	2005.. 6 080	290 656	229 709	60 947	1
		2004.. 6 928	298 179	234 357	63 822	1
		2003.. 7 871	331 810	257 977	73 833	3
		2002.. 8 837	352 182	280 689	71 493	X
3162	Footwear manufacturing	2005.. 15 631	562 906	438 643	124 263	1
		2004.. 16 914	574 577	457 457	117 120	2
		2003.. 17 811	593 835	481 757	112 079	4
		2002.. 19 562	616 724	505 243	111 481	X
31621	Footwear manufacturing	2005.. 15 631	562 906	438 643	124 263	1
		2004.. 16 914	574 577	457 457	117 120	2
		2003.. 17 811	593 835	481 757	112 079	4
		2002.. 19 562	616 724	505 243	111 481	X
31621M	Footwear manufacturing	2005.. 15 631	562 906	438 643	124 263	1
		2004.. 16 914	574 577	457 457	117 120	2
		2003.. 17 811	593 835	481 757	112 079	4
		2002.. 19 562	616 724	505 243	111 481	X
3169	Other leather and allied product manufacturing	2005.. 15 673	502 917	432 418	70 498	4
		2004.. 14 969	467 365	397 743	69 622	3
		2003.. 14 935	449 576	382 004	67 573	3
		2002.. 16 208	458 895	391 235	67 660	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
316	Leather and allied product manufacturing—Con.					
3169	Other leather and allied product manufacturing—Con.					
31699	Other leather and allied product manufacturing	2005.. 15 673	502 917	432 418	70 498	4
		2004.. 14 969	467 365	397 743	69 622	3
		2003.. 14 935	449 576	382 004	67 573	3
		2002.. 16 208	458 895	391 235	67 660	X
31699M	Other leather and allied product manufacturing	2005.. 15 673	502 917	432 418	70 498	4
		2004.. 14 969	467 365	397 743	69 622	3
		2003.. 14 935	449 576	382 004	67 573	3
		2002.. 16 208	458 895	391 235	67 660	X
321	Wood product manufacturing	2005.. 539 103	21 902 868	17 832 302	4 070 566	1
		2004.. 535 996	20 856 628	17 008 545	3 848 083	1
		2003.. 513 900	19 279 469	15 696 546	3 582 922	1
		2002.. 539 981	19 592 401	16 043 559	3 548 842	X
3211	Sawmills and wood preservation	2005.. 105 323	4 842 581	3 875 923	966 658	1
		2004.. 106 496	4 612 976	3 709 966	903 010	1
		2003.. 104 207	4 329 505	3 463 409	866 096	1
		2002.. 108 087	4 345 528	3 497 283	848 245	X
32111	Sawmills and wood preservation	2005.. 105 323	4 842 581	3 875 923	966 658	1
		2004.. 106 496	4 612 976	3 709 966	903 010	1
		2003.. 104 207	4 329 505	3 463 409	866 096	1
		2002.. 108 087	4 345 528	3 497 283	848 245	X
32111M	Sawmills and wood preservation	2005.. 105 323	4 842 581	3 875 923	966 658	1
		2004.. 106 496	4 612 976	3 709 966	903 010	1
		2003.. 104 207	4 329 505	3 463 409	866 096	1
		2002.. 108 087	4 345 528	3 497 283	848 245	X
3212	Veneer, plywood, and engineered wood product manufacturing	2005.. 115 467	5 169 572	4 111 980	1 057 592	1
		2004.. 111 459	4 882 916	3 884 790	998 126	1
		2003.. 110 897	4 600 785	3 659 663	941 121	1
		2002.. 114 255	4 597 192	3 679 908	917 284	X
32121	Veneer, plywood, and engineered wood product manufacturing	2005.. 115 467	5 169 572	4 111 980	1 057 592	1
		2004.. 111 459	4 882 916	3 884 790	998 126	1
		2003.. 110 897	4 600 785	3 659 663	941 121	1
		2002.. 114 255	4 597 192	3 679 908	917 284	X
321219	Reconstituted wood product manufacturing	2005.. 21 358	1 191 612	899 532	292 080	2
		2004.. 20 786	1 125 279	845 745	279 534	2
		2003.. 21 076	1 064 822	803 600	261 222	1
		2002.. 22 539	1 076 299	830 494	245 805	X
32121N	Veneer and plywood manufacturing	2005.. 38 736	1 785 313	1 370 365	414 948	2
		2004.. 38 802	1 754 152	1 355 860	398 292	2
		2003.. 40 799	1 707 250	1 318 275	388 975	2
		2002.. 44 262	1 837 778	1 424 790	412 988	X
32121P	Engineered wood product manufacturing	2005.. 55 373	2 192 648	1 842 083	350 565	2
		2004.. 51 871	2 003 485	1 683 185	320 300	2
		2003.. 49 021	1 828 713	1 537 788	290 925	2
		2002.. 47 454	1 683 115	1 424 624	258 491	X
3219	Other wood product manufacturing	2005.. 318 314	11 890 716	9 844 399	2 046 316	1
		2004.. 318 040	11 360 735	9 413 788	1 946 947	1
		2003.. 298 796	10 349 179	8 573 474	1 775 705	1
		2002.. 317 639	10 649 681	8 866 368	1 783 313	X
32191	Millwork	2005.. 158 434	6 284 295	5 150 953	1 133 342	1
		2004.. 157 758	5 982 355	4 918 904	1 063 451	1
		2003.. 148 638	5 349 401	4 393 654	955 747	2
		2002.. 151 002	5 342 101	4 412 549	929 552	X
32191M	Millwork	2005.. 158 434	6 284 295	5 150 953	1 133 342	1
		2004.. 157 758	5 982 355	4 918 904	1 063 451	1
		2003.. 148 638	5 349 401	4 393 654	955 747	2
		2002.. 151 002	5 342 101	4 412 549	929 552	X
32192	Wood container and pallet manufacturing	2005.. 50 152	1 443 804	1 257 647	186 156	2
		2004.. 49 580	1 381 663	1 190 069	191 593	2
		2003.. 46 484	1 295 841	1 118 318	177 523	2
		2002.. 50 847	1 328 441	1 151 998	176 443	X
321920	Wood container and pallet manufacturing	2005.. 50 152	1 443 804	1 257 647	186 156	2
		2004.. 49 580	1 381 663	1 190 069	191 593	2
		2003.. 46 484	1 295 841	1 118 318	177 523	2
		2002.. 50 847	1 328 441	1 151 998	176 443	X
32199	All other wood product manufacturing	2005.. 109 728	4 162 617	3 435 800	726 818	1
		2004.. 110 703	3 996 717	3 304 815	691 903	1
		2003.. 103 673	3 703 937	3 061 502	642 436	1
		2002.. 115 790	3 979 139	3 301 821	677 318	X
321991	Manufactured home (mobile home) manufacturing	2005.. 46 750	1 728 140	1 415 008	313 132	1
		2004.. 47 639	1 630 833	1 345 619	285 214	1
		2003.. 42 766	1 527 583	1 251 069	276 514	1
		2002.. 50 277	1 720 787	1 421 340	299 447	X
321992	Prefabricated wood building manufacturing	2005.. 25 672	1 059 533	886 818	172 715	3
		2004.. 24 104	994 476	832 228	162 248	3
		2003.. 23 154	922 748	768 759	153 989	5
		2002.. 25 279	935 596	786 641	148 955	X
321999	All other miscellaneous wood product manufacturing	2005.. 37 305	1 374 944	1 133 973	240 971	3
		2004.. 38 960	1 371 408	1 126 967	244 442	3
		2003.. 37 754	1 253 606	1 041 673	211 933	3
		2002.. 40 234	1 322 756	1 093 840	228 916	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—	
			Total	Payroll	Total fringe benefits		
			A	B	C		D
322	Paper manufacturing	2005..	429 579	27 410 025	20 700 840	6 709 185	1
		2004..	439 176	27 062 430	20 540 654	6 521 776	1
		2003..	465 929	27 250 016	20 919 748	6 330 269	1
		2002..	491 463	27 531 121	21 492 656	6 038 465	X
3221	Pulp, paper, and paperboard mills	2005..	135 589	11 278 356	8 226 878	3 051 478	1
		2004..	136 646	11 041 433	8 108 856	2 932 578	1
		2003..	148 092	11 274 336	8 470 760	2 803 576	1
		2002..	158 388	11 632 707	8 843 949	2 788 758	X
32211	Pulp mills	2005..	7 153	631 018	467 353	163 664	1
		2004..	7 686	660 532	491 515	169 018	1
		2003..	8 058	656 182	490 639	165 543	1
		2002..	8 043	645 012	487 086	157 926	X
322110	Pulp mills	2005..	7 153	631 018	467 353	163 664	1
		2004..	7 686	660 532	491 515	169 018	1
		2003..	8 058	656 182	490 639	165 543	1
		2002..	8 043	645 012	487 086	157 926	X
32212	Paper mills	2005..	91 079	7 563 219	5 503 871	2 059 348	1
		2004..	89 231	7 217 414	5 272 124	1 945 291	1
		2003..	97 034	7 376 679	5 524 016	1 852 663	1
		2002..	102 513	7 560 687	5 699 236	1 861 451	X
32212M	Paper and newsprint mills	2005..	91 079	7 563 219	5 503 871	2 059 348	1
		2004..	89 231	7 217 414	5 272 124	1 945 291	1
		2003..	97 034	7 376 679	5 524 016	1 852 663	1
		2002..	102 513	7 560 687	5 699 236	1 861 451	X
32213	Paperboard mills	2005..	37 358	3 084 119	2 255 653	828 466	1
		2004..	39 729	3 163 487	2 345 217	818 269	1
		2003..	43 000	3 241 474	2 456 105	785 369	1
		2002..	47 832	3 427 008	2 657 627	769 381	X
322130	Paperboard mills	2005..	37 358	3 084 119	2 255 653	828 466	1
		2004..	39 729	3 163 487	2 345 217	818 269	1
		2003..	43 000	3 241 474	2 456 105	785 369	1
		2002..	47 832	3 427 008	2 657 627	769 381	X
3222	Converted paper product manufacturing	2005..	293 991	16 131 669	12 473 962	3 657 707	1
		2004..	302 530	16 020 997	12 431 798	3 589 199	1
		2003..	317 837	15 975 680	12 448 988	3 526 692	1
		2002..	333 075	15 898 414	12 648 707	3 249 707	X
32221	Paperboard container manufacturing	2005..	162 816	9 066 800	6 975 382	2 091 418	1
		2004..	168 946	9 041 334	7 013 749	2 027 585	1
		2003..	178 032	8 991 103	6 990 719	2 000 384	1
		2002..	185 053	8 901 024	7 097 102	1 803 922	X
32221M	Paperboard container manufacturing	2005..	162 816	9 066 800	6 975 382	2 091 418	1
		2004..	168 946	9 041 334	7 013 749	2 027 585	1
		2003..	178 032	8 991 103	6 990 719	2 000 384	1
		2002..	185 053	8 901 024	7 097 102	1 803 922	X
32222	Paper bag and coated and treated paper manufacturing	2005..	61 828	3 508 259	2 718 657	789 602	1
		2004..	61 028	3 397 104	2 620 716	776 388	1
		2003..	64 629	3 412 802	2 644 767	768 035	1
		2002..	66 646	3 367 320	2 653 567	713 753	X
32222N	Coated and laminated paper and packaging manufacturing	2005..	37 453	2 257 077	1 768 703	488 374	1
		2004..	39 010	2 290 466	1 779 348	511 118	1
		2003..	41 688	2 308 370	1 805 695	502 675	1
		2002..	43 314	2 283 448	1 812 829	470 619	X
32222P	Coated, uncoated, and multiwall bag and packaging manufacturing	2005..	24 375	1 251 182	949 954	301 228	2
		2004..	22 018	1 106 638	841 368	265 270	2
		2003..	22 941	1 104 432	839 073	265 359	1
		2002..	23 332	1 083 872	840 738	243 134	X
32223	Stationery product manufacturing	2005..	33 369	1 597 600	1 256 045	341 555	2
		2004..	35 692	1 653 116	1 296 224	356 892	1
		2003..	36 554	1 621 169	1 286 088	335 081	1
		2002..	38 591	1 622 876	1 297 402	325 474	X
32223M	Stationery product manufacturing	2005..	33 369	1 597 600	1 256 045	341 555	2
		2004..	35 692	1 653 116	1 296 224	356 892	1
		2003..	36 554	1 621 169	1 286 088	335 081	1
		2002..	38 591	1 622 876	1 297 402	325 474	X
32229	Other converted paper product manufacturing	2005..	35 978	1 959 010	1 523 878	435 132	2
		2004..	36 864	1 929 442	1 501 109	428 333	1
		2003..	38 622	1 950 607	1 527 414	423 193	2
		2002..	42 785	2 007 194	1 600 636	406 558	X
322291	Sanitary paper product manufacturing	2005..	16 064	1 033 293	785 525	247 768	2
		2004..	16 462	1 012 432	766 730	245 702	1
		2003..	18 324	1 072 961	826 886	246 076	1
		2002..	20 053	1 079 554	843 966	235 588	X
322299	All other converted paper product manufacturing	2005..	19 913	925 717	738 354	187 364	3
		2004..	20 403	917 010	734 379	182 630	2
		2003..	20 298	877 646	700 529	177 117	5
		2002..	22 732	927 640	756 670	170 970	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—	
			Total	Payroll	Total fringe benefits		
			A	B	C		D
323	Printing and related support activities	2005..	642 343	29 588 755	24 892 878	4 695 877	1
		2004..	659 385	29 418 667	24 762 738	4 655 929	1
		2003..	673 832	29 754 951	25 077 290	4 677 661	1
		2002..	715 832	30 269 308	25 631 105	4 638 203	X
3231	Printing and related support activities	2005..	642 343	29 588 755	24 892 878	4 695 877	1
		2004..	659 385	29 418 667	24 762 738	4 655 929	1
		2003..	673 832	29 754 951	25 077 290	4 677 661	1
		2002..	715 832	30 269 308	25 631 105	4 638 203	X
32311	Printing	2005..	593 423	27 283 457	22 910 499	4 372 958	1
		2004..	608 531	27 144 068	22 805 350	4 338 718	1
		2003..	620 746	27 427 147	23 065 625	4 361 522	1
		2002..	659 737	27 826 742	23 508 745	4 317 997	X
32311M	Printing	2005..	593 423	27 283 457	22 910 499	4 372 958	1
		2004..	608 531	27 144 068	22 805 350	4 338 718	1
		2003..	620 746	27 427 147	23 065 625	4 361 522	1
		2002..	659 737	27 826 742	23 508 745	4 317 997	X
32312	Support activities for printing	2005..	48 920	2 305 298	1 982 379	322 919	3
		2004..	50 854	2 274 598	1 957 387	317 211	2
		2003..	53 086	2 327 804	2 011 665	316 138	3
		2002..	56 095	2 442 566	2 122 360	320 206	X
32312M	Support activities for printing	2005..	48 920	2 305 298	1 982 379	322 919	3
		2004..	50 854	2 274 598	1 957 387	317 211	2
		2003..	53 086	2 327 804	2 011 665	316 138	3
		2002..	56 095	2 442 566	2 122 360	320 206	X
324	Petroleum and coal products manufacturing	2005..	102 908	10 419 152	7 926 671	2 492 482	1
		2004..	98 646	9 572 108	7 233 684	2 338 424	1
		2003..	100 392	8 748 241	6 641 043	2 107 198	1
		2002..	103 509	8 103 923	6 232 977	1 870 946	X
3241	Petroleum and coal products manufacturing	2005..	102 908	10 419 152	7 926 671	2 492 482	1
		2004..	98 646	9 572 108	7 233 684	2 338 424	1
		2003..	100 392	8 748 241	6 641 043	2 107 198	1
		2002..	103 509	8 103 923	6 232 977	1 870 946	X
32411	Petroleum refineries	2005..	62 531	7 799 591	5 840 503	1 959 088	1
		2004..	60 004	7 193 418	5 339 545	1 853 873	1
		2003..	60 010	6 372 079	4 751 859	1 620 220	1
		2002..	61 874	5 808 439	4 385 768	1 422 671	X
324110	Petroleum refineries	2005..	62 531	7 799 591	5 840 503	1 959 088	1
		2004..	60 004	7 193 418	5 339 545	1 853 873	1
		2003..	60 010	6 372 079	4 751 859	1 620 220	1
		2002..	61 874	5 808 439	4 385 768	1 422 671	X
32412	Asphalt paving, roofing, and saturated materials manufacturing	2005..	26 723	1 639 964	1 315 941	324 023	1
		2004..	25 738	1 510 747	1 211 325	299 422	1
		2003..	28 079	1 556 627	1 247 460	309 167	1
		2002..	27 825	1 451 719	1 171 621	280 098	X
324121	Asphalt paving mixture and block manufacturing	2005..	14 544	830 205	656 488	173 717	2
		2004..	13 813	766 287	604 571	161 715	2
		2003..	15 209	825 789	658 241	167 548	2
		2002..	15 725	787 433	633 438	153 995	X
324122	Asphalt shingle and coating materials manufacturing	2005..	12 179	809 759	659 454	150 306	1
		2004..	11 925	744 460	606 754	137 706	1
		2003..	12 870	730 838	589 219	141 619	1
		2002..	12 100	664 286	538 183	126 103	X
32419	Other petroleum and coal products manufacturing	2005..	13 654	979 597	770 227	209 371	4
		2004..	12 904	867 943	682 813	185 129	2
		2003..	12 302	819 535	641 724	177 811	2
		2002..	13 810	843 765	675 588	168 177	X
324191	Petroleum lubricating oil and grease manufacturing	2005..	10 646	756 228	602 723	153 505	1
		2004..	10 201	683 980	545 200	138 780	2
		2003..	9 449	632 441	500 981	131 459	3
		2002..	10 619	649 314	527 517	121 797	X
324199	All other petroleum and coal products manufacturing	2005..	3 008	223 369	167 503	55 866	14
		2004..	2 703	183 963	137 614	46 349	4
		2003..	2 853	187 094	140 743	46 351	3
		2002..	3 191	194 451	148 071	46 380	X
325	Chemical manufacturing	2005..	761 158	59 556 732	45 798 319	13 758 414	1
		2004..	775 903	57 353 026	44 357 683	12 995 343	1
		2003..	830 198	57 618 032	45 087 084	12 530 948	1
		2002..	853 392	56 425 710	44 688 597	11 737 113	X
3251	Basic chemical manufacturing	2005..	156 403	14 014 705	10 593 008	3 421 697	1
		2004..	163 293	13 934 095	10 593 182	3 340 913	1
		2003..	171 448	13 879 537	10 633 222	3 246 315	1
		2002..	181 110	13 989 860	10 919 208	3 070 652	X
32511	Petrochemical manufacturing	2005..	7 295	858 604	606 936	251 668	1
		2004..	8 197	908 437	645 228	263 209	1
		2003..	8 305	850 044	622 461	227 583	1
		2002..	9 458	855 241	660 862	194 379	X
325110	Petrochemical manufacturing	2005..	7 295	858 604	606 936	251 668	1
		2004..	8 197	908 437	645 228	263 209	1
		2003..	8 305	850 044	622 461	227 583	1
		2002..	9 458	855 241	660 862	194 379	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
325	Chemical manufacturing—Con.					
3251	Basic chemical manufacturing—Con.					
32512	Industrial gas manufacturing	2005.. 10 357	739 898	571 667	168 232	3
		2004.. 9 404	681 586	524 859	156 726	3
		2003.. 10 483	783 024	604 055	178 969	2
		2002.. 10 666	772 360	594 567	177 793	X
325120	Industrial gas manufacturing	2005.. 10 357	739 898	571 667	168 232	3
		2004.. 9 404	681 586	524 859	156 726	3
		2003.. 10 483	783 024	604 055	178 969	2
		2002.. 10 666	772 360	594 567	177 793	X
32513	Synthetic dye and pigment manufacturing	2005.. 12 258	939 826	707 384	232 442	2
		2004.. 12 781	940 677	717 742	222 935	1
		2003.. 13 152	916 418	718 152	198 266	2
		2002.. 14 872	983 134	778 060	205 074	X
32513M	Synthetic dye and pigment manufacturing	2005.. 12 258	939 826	707 384	232 442	2
		2004.. 12 781	940 677	717 742	222 935	1
		2003.. 13 152	916 418	718 152	198 266	2
		2002.. 14 872	983 134	778 060	205 074	X
32518	Other basic inorganic chemical manufacturing	2005.. 52 145	4 714 723	3 534 233	1 180 489	1
		2004.. 53 331	4 507 204	3 388 976	1 118 227	1
		2003.. 56 001	4 556 111	3 464 598	1 091 513	1
		2002.. 57 313	4 478 774	3 480 261	998 513	X
325181	Alkalies and chlorine manufacturing	2005.. 7 599	736 614	536 228	200 387	1
		2004.. 7 163	646 381	465 575	180 806	1
		2003.. 5 819	513 068	370 320	142 748	1
		2002.. 6 312	524 889	388 341	136 548	X
325182	Carbon black manufacturing	2005.. 1 593	123 280	95 715	27 566	2
		2004.. 1 625	121 241	94 549	26 693	3
		2003.. 1 619	126 901	98 476	28 424	2
		2002.. 1 665	122 770	99 409	23 361	X
325188	All other basic inorganic chemical manufacturing	2005.. 42 953	3 854 828	2 902 291	952 537	1
		2004.. 44 543	3 739 581	2 828 852	910 729	1
		2003.. 48 563	3 916 143	2 995 801	920 341	1
		2002.. 49 336	3 831 115	2 992 511	838 604	X
32519	Other basic organic chemical manufacturing	2005.. 74 347	6 761 654	5 172 788	1 588 866	1
		2004.. 79 580	6 896 192	5 316 376	1 579 816	1
		2003.. 83 507	6 773 939	5 223 955	1 549 984	1
		2002.. 88 801	6 900 351	5 405 458	1 494 893	X
32519M	Other basic organic chemical manufacturing	2005.. 74 347	6 761 654	5 172 788	1 588 866	1
		2004.. 79 580	6 896 192	5 316 376	1 579 816	1
		2003.. 83 507	6 773 939	5 223 955	1 549 984	1
		2002.. 88 801	6 900 351	5 405 458	1 494 893	X
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	2005.. 85 472	6 972 586	5 198 078	1 774 508	2
		2004.. 85 919	6 506 351	4 919 236	1 587 115	2
		2003.. 95 281	6 805 672	5 141 067	1 664 605	1
		2002.. 100 349	6 889 421	5 284 795	1 604 626	X
32521	Resin and synthetic rubber manufacturing	2005.. 66 994	5 892 002	4 384 612	1 507 390	2
		2004.. 65 408	5 340 985	4 063 026	1 277 959	3
		2003.. 72 032	5 495 095	4 178 138	1 316 957	1
		2002.. 76 817	5 597 043	4 329 426	1 267 617	X
325211	Plastics material and resin manufacturing	2005.. 58 419	5 199 421	3 874 809	1 324 612	3
		2004.. 57 173	4 683 014	3 582 537	1 100 477	3
		2003.. 61 852	4 685 630	3 583 163	1 102 467	1
		2002.. 67 061	4 895 336	3 810 236	1 085 100	X
325212	Synthetic rubber manufacturing	2005.. 8 575	692 581	509 803	182 778	2
		2004.. 8 235	657 971	480 489	177 482	1
		2003.. 10 181	809 465	594 975	214 489	1
		2002.. 9 756	701 707	519 190	182 517	X
32522	Artificial and synthetic fibers and filaments manufacturing	2005.. 18 478	1 080 584	813 466	267 118	2
		2004.. 20 511	1 165 366	856 210	309 156	2
		2003.. 23 248	1 310 577	962 929	347 648	1
		2002.. 23 532	1 292 378	955 369	337 009	X
32522M	Artificial and synthetic fibers and filaments manufacturing	2005.. 18 478	1 080 584	813 466	267 118	2
		2004.. 20 511	1 165 366	856 210	309 156	2
		2003.. 23 248	1 310 577	962 929	347 648	1
		2002.. 23 532	1 292 378	955 369	337 009	X
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2005.. 27 535	1 962 176	1 480 609	481 567	2
		2004.. 28 502	1 937 962	1 490 412	447 550	2
		2003.. 30 488	1 891 386	1 481 299	410 087	1
		2002.. 31 287	1 891 838	1 494 326	397 512	X
32531	Fertilizer manufacturing	2005.. 17 152	1 171 737	890 851	280 886	1
		2004.. 17 843	1 154 373	886 309	268 064	1
		2003.. 19 688	1 181 433	918 832	262 601	1
		2002.. 20 718	1 188 415	941 557	246 858	X
325311	Nitrogenous fertilizer manufacturing	2005.. 3 462	315 394	231 298	84 096	1
		2004.. 3 583	295 532	220 762	74 771	1
		2003.. 4 285	327 138	253 040	74 099	1
		2002.. 4 760	348 546	282 589	65 957	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
325	Chemical manufacturing—Con.					
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing—Con.					
32531	Fertilizer manufacturing—Con.					
325312	Phosphatic fertilizer manufacturing	2005.. 6 077	488 074	360 940	127 134	1
		2004.. 6 251	490 732	365 458	125 274	1
		2003.. 6 223	465 237	346 056	119 181	1
		2002.. 6 306	446 478	335 864	110 614	X
325314	Fertilizer (mixing only) manufacturing	2005.. 7 612	368 269	298 613	69 656	3
		2004.. 8 010	368 109	300 089	68 020	2
		2003.. 9 180	389 057	319 736	69 321	5
		2002.. 9 652	393 391	323 104	70 287	X
32532	Pesticide and other agricultural chemical manufacturing	2005.. 10 383	790 439	589 758	200 682	5
		2004.. 10 659	783 589	604 104	179 486	4
		2003.. 10 800	709 953	562 467	147 486	1
		2002.. 10 569	703 423	552 769	150 654	X
325320	Pesticide and other agricultural chemical manufacturing	2005.. 10 383	790 439	589 758	200 682	5
		2004.. 10 659	783 589	604 104	179 486	4
		2003.. 10 800	709 953	562 467	147 486	1
		2002.. 10 569	703 423	552 769	150 654	X
3254	Pharmaceutical and medicine manufacturing	2005.. 236 049	20 095 847	15 684 247	4 411 600	2
		2004.. 234 420	18 759 345	14 613 548	4 145 797	1
		2003.. 243 111	18 028 724	14 353 530	3 675 194	2
		2002.. 249 222	17 216 239	13 802 955	3 413 284	X
32541	Pharmaceutical and medicine manufacturing	2005.. 236 049	20 095 847	15 684 247	4 411 600	2
		2004.. 234 420	18 759 345	14 613 548	4 145 797	1
		2003.. 243 111	18 028 724	14 353 530	3 675 194	2
		2002.. 249 222	17 216 239	13 802 955	3 413 284	X
325411	Medicinal and botanical manufacturing	2005.. 20 441	1 822 086	1 392 406	429 679	1
		2004.. 21 122	1 747 873	1 350 742	397 131	1
		2003.. 20 477	1 369 468	1 131 010	238 458	1
		2002.. 20 605	1 343 552	1 100 937	242 615	X
325412	Pharmaceutical preparation manufacturing	2005.. 165 921	14 194 834	11 049 326	3 145 509	2
		2004.. 163 327	13 072 535	10 114 848	2 957 687	1
		2003.. 170 248	12 731 948	10 056 554	2 675 394	2
		2002.. 176 737	12 402 828	9 875 165	2 527 663	X
325413	In-vitro diagnostic substance manufacturing	2005.. 26 324	2 306 807	1 870 202	436 605	2
		2004.. 27 294	2 229 461	1 808 957	420 505	2
		2003.. 28 901	2 246 438	1 846 471	399 967	4
		2002.. 27 233	1 825 423	1 521 088	304 335	X
325414	Biological product (except diagnostic) manufacturing	2005.. 23 362	1 772 120	1 372 313	399 807	1
		2004.. 22 678	1 709 476	1 339 002	370 474	1
		2003.. 23 485	1 680 870	1 319 495	361 375	1
		2002.. 24 647	1 644 436	1 305 765	338 671	X
3255	Paint, coating, and adhesive manufacturing	2005.. 60 121	3 899 881	3 050 958	848 923	1
		2004.. 62 279	3 852 484	3 056 832	795 652	1
		2003.. 65 811	3 804 021	3 028 996	775 025	1
		2002.. 67 600	3 734 047	2 997 339	736 708	X
32551	Paint and coating manufacturing	2005.. 39 779	2 622 152	2 040 346	581 806	2
		2004.. 41 547	2 564 366	2 032 404	531 962	2
		2003.. 44 852	2 585 328	2 056 323	529 005	2
		2002.. 46 347	2 562 479	2 051 902	510 577	X
325510	Paint and coating manufacturing	2005.. 39 779	2 622 152	2 040 346	581 806	2
		2004.. 41 547	2 564 366	2 032 404	531 962	2
		2003.. 44 852	2 585 328	2 056 323	529 005	2
		2002.. 46 347	2 562 479	2 051 902	510 577	X
32552	Adhesive manufacturing	2005.. 20 342	1 277 729	1 010 612	267 118	2
		2004.. 20 732	1 288 117	1 024 428	263 690	1
		2003.. 20 959	1 218 693	972 672	246 020	2
		2002.. 21 253	1 171 568	945 437	226 131	X
325520	Adhesive manufacturing	2005.. 20 342	1 277 729	1 010 612	267 118	2
		2004.. 20 732	1 288 117	1 024 428	263 690	1
		2003.. 20 959	1 218 693	972 672	246 020	2
		2002.. 21 253	1 171 568	945 437	226 131	X
3256	Soap, cleaning compound, and toilet preparation manufacturing	2005.. 98 385	6 411 360	4 977 171	1 434 188	1
		2004.. 99 827	6 149 309	4 822 148	1 327 161	1
		2003.. 110 443	6 368 760	5 062 487	1 306 272	2
		2002.. 115 430	6 240 987	4 969 850	1 271 137	X
32561	Soap and cleaning compound manufacturing	2005.. 44 839	2 940 588	2 244 507	696 081	1
		2004.. 45 814	2 839 376	2 202 258	637 118	1
		2003.. 48 388	2 888 460	2 282 365	606 095	2
		2002.. 48 659	2 801 033	2 219 966	581 067	X
32561M	Soap and cleaning compound manufacturing	2005.. 44 839	2 940 588	2 244 507	696 081	1
		2004.. 45 814	2 839 376	2 202 258	637 118	1
		2003.. 48 388	2 888 460	2 282 365	606 095	2
		2002.. 48 659	2 801 033	2 219 966	581 067	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
325	Chemical manufacturing—Con.					
3256	Soap, cleaning compound, and toilet preparation manufacturing—Con.					
32562	Toilet preparation manufacturing	2005.. 53 546	3 470 771	2 732 664	738 107	2
		2004.. 54 013	3 309 933	2 619 890	690 043	2
		2003.. 62 055	3 480 299	2 780 122	700 177	2
		2002.. 66 771	3 439 954	2 749 884	690 070	X
325620	Toilet preparation manufacturing	2005.. 53 546	3 470 771	2 732 664	738 107	2
		2004.. 54 013	3 309 933	2 619 890	690 043	2
		2003.. 62 055	3 480 299	2 780 122	700 177	2
		2002.. 66 771	3 439 954	2 749 884	690 070	X
3259	Other chemical product and preparation manufacturing	2005.. 97 193	6 200 178	4 814 248	1 385 930	2
		2004.. 101 662	6 213 480	4 862 325	1 351 155	2
		2003.. 113 618	6 839 932	5 386 483	1 453 449	1
		2002.. 108 394	6 463 318	5 220 124	1 243 194	X
32591	Printing ink manufacturing	2005.. 12 148	736 182	588 082	148 100	3
		2004.. 12 875	762 820	613 528	149 292	2
		2003.. 12 085	726 015	584 171	141 844	3
		2002.. 12 394	719 329	589 612	129 717	X
325910	Printing ink manufacturing	2005.. 12 148	736 182	588 082	148 100	3
		2004.. 12 875	762 820	613 528	149 292	2
		2003.. 12 085	726 015	584 171	141 844	3
		2002.. 12 394	719 329	589 612	129 717	X
32592	Explosives manufacturing	2005.. 5 566	341 054	255 685	85 369	3
		2004.. 5 234	309 903	233 418	76 485	2
		2003.. 5 534	282 343	224 101	58 242	6
		2002.. 5 721	314 486	231 263	83 223	X
325920	Explosives manufacturing	2005.. 5 566	341 054	255 685	85 369	3
		2004.. 5 234	309 903	233 418	76 485	2
		2003.. 5 534	282 343	224 101	58 242	6
		2002.. 5 721	314 486	231 263	83 223	X
32599	All other chemical product and preparation manufacturing	2005.. 79 479	5 122 942	3 970 481	1 152 461	3
		2004.. 83 553	5 140 757	4 015 380	1 125 377	3
		2003.. 95 999	5 831 574	4 578 212	1 253 363	1
		2002.. 90 279	5 429 503	4 399 249	1 030 254	X
325991	Custom compounding of purchased resins	2005.. 20 167	1 250 141	972 143	277 997	2
		2004.. 20 982	1 222 505	963 798	258 707	2
		2003.. 23 191	1 299 161	1 029 267	269 894	1
		2002.. 21 463	1 152 703	912 655	240 048	X
32599N	All other miscellaneous chemical product and preparation manufacturing (including photographic)	2005.. 59 312	3 872 801	2 998 338	874 464	3
		2004.. 62 571	3 918 252	3 051 582	866 670	3
		2003.. 72 808	4 532 413	3 548 945	983 468	1
		2002.. 68 816	4 276 800	3 486 594	790 206	X
326	Plastics and rubber products manufacturing	2005.. 895 440	42 481 792	33 155 605	9 326 187	1
		2004.. 891 940	41 506 104	32 393 086	9 113 018	1
		2003.. 944 936	41 628 804	32 593 846	9 034 958	1
		2002.. 985 909	41 472 379	32 683 597	8 788 782	X
3261	Plastics product manufacturing	2005.. 727 702	33 212 709	26 397 646	6 815 063	1
		2004.. 733 155	32 295 060	25 752 577	6 542 483	1
		2003.. 775 561	32 306 552	25 849 997	6 456 555	1
		2002.. 805 781	32 095 001	25 869 569	6 225 432	X
32611	Unsupported plastics film, sheet, and bag manufacturing	2005.. 99 094	5 432 017	4 261 963	1 170 054	1
		2004.. 100 469	5 309 934	4 194 591	1 115 342	1
		2003.. 109 465	5 442 412	4 322 333	1 120 078	1
		2002.. 113 822	5 374 768	4 300 033	1 074 735	X
326111	Plastics bag manufacturing	2005.. 31 758	1 548 893	1 235 360	313 533	1
		2004.. 31 937	1 515 979	1 212 283	303 695	1
		2003.. 34 087	1 498 479	1 215 426	283 053	1
		2002.. 33 816	1 406 943	1 143 058	263 885	X
326112	Plastics packaging film and sheet (including laminated) manufacturing	2005.. 23 324	1 312 500	1 034 728	277 772	1
		2004.. 23 188	1 261 132	1 003 862	257 270	1
		2003.. 23 888	1 254 100	999 146	254 955	1
		2002.. 24 492	1 259 245	1 018 793	240 452	X
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2005.. 44 011	2 570 624	1 991 875	578 749	1
		2004.. 45 344	2 532 823	1 978 446	554 377	1
		2003.. 51 490	2 689 832	2 107 762	582 070	1
		2002.. 55 514	2 708 580	2 138 182	570 398	X
32612	Plastics pipe, pipe fitting, and unsupported profile shape manufacturing	2005.. 46 623	2 270 072	1 852 405	417 667	1
		2004.. 47 769	2 198 349	1 786 917	411 432	1
		2003.. 48 956	2 114 045	1 719 410	394 634	1
		2002.. 52 166	2 169 788	1 757 503	412 285	X
326121	Unsupported plastics profile shape manufacturing	2005.. 26 666	1 314 884	1 062 974	251 910	2
		2004.. 27 598	1 306 349	1 058 220	248 129	2
		2003.. 28 240	1 265 216	1 031 168	234 048	2
		2002.. 30 623	1 318 612	1 069 438	249 174	X
326122	Plastics pipe and pipe fitting manufacturing	2005.. 19 958	955 188	789 432	165 757	2
		2004.. 20 171	892 000	728 697	163 302	2
		2003.. 20 715	848 828	688 242	160 586	1
		2002.. 21 543	851 176	688 065	163 111	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
326	Plastics and rubber products manufacturing—Con.					
3261	Plastics product manufacturing—Con.					
32613	Laminated plastics plate, sheet, and shape manufacturing	2005.. 10 067	532 342	425 290	107 053	5
		2004.. 10 132	540 980	430 427	110 553	4
		2003.. 11 278	549 594	440 087	109 507	4
		2002.. 11 865	544 377	442 189	102 188	X
326130	Laminated plastics plate, sheet, and shape manufacturing	2005.. 10 067	532 342	425 290	107 053	5
		2004.. 10 132	540 980	430 427	110 553	4
		2003.. 11 278	549 594	440 087	109 507	4
		2002.. 11 865	544 377	442 189	102 188	X
32614	Polystyrene foam product manufacturing	2005.. 32 265	1 457 542	1 137 673	319 869	2
		2004.. 32 095	1 375 911	1 073 654	302 257	2
		2003.. 31 716	1 305 120	1 021 562	283 558	2
		2002.. 33 398	1 277 649	1 008 334	269 315	X
326140	Polystyrene foam product manufacturing	2005.. 32 265	1 457 542	1 137 673	319 869	2
		2004.. 32 095	1 375 911	1 073 654	302 257	2
		2003.. 31 716	1 305 120	1 021 562	283 558	2
		2002.. 33 398	1 277 649	1 008 334	269 315	X
32615	Urethane and other foam product (except polystyrene) manufacturing	2005.. 35 136	1 569 882	1 239 901	329 980	2
		2004.. 34 680	1 467 562	1 164 340	303 222	2
		2003.. 33 497	1 287 289	1 029 824	257 465	3
		2002.. 34 637	1 320 651	1 070 686	249 965	X
326150	Urethane and other foam product (except polystyrene) manufacturing	2005.. 35 136	1 569 882	1 239 901	329 980	2
		2004.. 34 680	1 467 562	1 164 340	303 222	2
		2003.. 33 497	1 287 289	1 029 824	257 465	3
		2002.. 34 637	1 320 651	1 070 686	249 965	X
32616	Plastics bottle manufacturing	2005.. 30 503	1 507 485	1 145 342	362 143	1
		2004.. 31 408	1 457 428	1 119 322	338 106	1
		2003.. 32 703	1 491 088	1 145 944	345 144	1
		2002.. 34 054	1 458 153	1 134 996	323 157	X
326160	Plastics bottle manufacturing	2005.. 30 503	1 507 485	1 145 342	362 143	1
		2004.. 31 408	1 457 428	1 119 322	338 106	1
		2003.. 32 703	1 491 088	1 145 944	345 144	1
		2002.. 34 054	1 458 153	1 134 996	323 157	X
32619	Other plastics product manufacturing	2005.. 474 014	20 443 369	16 335 071	4 108 298	1
		2004.. 476 602	19 944 896	15 983 326	3 961 571	1
		2003.. 507 947	20 117 005	16 170 837	3 946 169	1
		2002.. 525 839	19 949 615	16 155 828	3 793 787	X
32619M	Other plastics product manufacturing	2005.. 474 014	20 443 369	16 335 071	4 108 298	1
		2004.. 476 602	19 944 896	15 983 326	3 961 571	1
		2003.. 507 947	20 117 005	16 170 837	3 946 169	1
		2002.. 525 839	19 949 615	16 155 828	3 793 787	X
3262	Rubber product manufacturing	2005.. 157 737	9 269 083	6 757 959	2 511 124	1
		2004.. 158 784	9 211 043	6 640 508	2 570 535	1
		2003.. 169 374	9 322 252	6 743 849	2 578 403	1
		2002.. 180 128	9 377 378	6 814 028	2 563 350	X
32621	Tire manufacturing	2005.. 61 807	4 479 792	3 161 160	1 318 632	1
		2004.. 62 514	4 541 798	3 114 661	1 427 137	1
		2003.. 65 862	4 593 836	3 152 233	1 441 603	1
		2002.. 69 256	4 573 720	3 150 815	1 422 905	X
32621M	Tire manufacturing	2005.. 61 807	4 479 792	3 161 160	1 318 632	1
		2004.. 62 514	4 541 798	3 114 661	1 427 137	1
		2003.. 65 862	4 593 836	3 152 233	1 441 603	1
		2002.. 69 256	4 573 720	3 150 815	1 422 905	X
32622	Rubber and plastics hoses and belting manufacturing	2005.. 20 958	1 106 371	810 183	296 187	2
		2004.. 21 570	1 100 034	806 909	293 124	1
		2003.. 22 376	1 075 099	781 871	293 228	1
		2002.. 23 597	1 089 235	798 747	290 488	X
326220	Rubber and plastics hoses and belting manufacturing	2005.. 20 958	1 106 371	810 183	296 187	2
		2004.. 21 570	1 100 034	806 909	293 124	1
		2003.. 22 376	1 075 099	781 871	293 228	1
		2002.. 23 597	1 089 235	798 747	290 488	X
32629	Other rubber product manufacturing	2005.. 74 972	3 682 921	2 786 616	896 305	3
		2004.. 74 700	3 569 212	2 718 938	850 274	2
		2003.. 81 137	3 653 317	2 809 744	843 573	1
		2002.. 87 275	3 714 423	2 864 466	849 957	X
32629M	Other rubber product manufacturing	2005.. 74 972	3 682 921	2 786 616	896 305	3
		2004.. 74 700	3 569 212	2 718 938	850 274	2
		2003.. 81 137	3 653 317	2 809 744	843 573	1
		2002.. 87 275	3 714 423	2 864 466	849 957	X
327	Nonmetallic mineral product manufacturing	2005.. 464 938	24 573 477	19 146 522	5 426 956	1
		2004.. 458 457	23 527 358	18 273 577	5 253 782	1
		2003.. 463 158	22 947 494	17 752 261	5 195 233	1
		2002.. 482 672	22 807 994	17 910 511	4 897 483	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
327	Nonmetallic mineral product manufacturing—Con.					
3271	Clay product and refractory manufacturing	2005.. 52 327	2 509 288	1 938 633	570 655	1
		2004.. 54 160	2 479 787	1 914 809	564 977	1
		2003.. 57 253	2 505 601	1 928 077	577 524	1
		2002.. 60 570	2 601 332	2 033 150	568 182	X
32711	Pottery, ceramics, and plumbing fixture manufacturing	2005.. 22 652	1 042 497	795 716	246 782	3
		2004.. 24 600	1 091 199	836 977	254 222	2
		2003.. 26 240	1 111 650	842 085	269 564	1
		2002.. 29 637	1 241 486	965 849	275 637	X
327111	Vitreous china plumbing fixture and china and earthenware bathroom accessories manufacturing	2005.. 6 704	324 284	244 929	79 355	4
		2004.. 6 902	325 290	244 305	80 985	3
		2003.. 7 153	320 673	236 279	84 395	2
		2002.. 8 054	367 473	282 537	84 936	X
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	2005.. 9 432	373 324	288 448	84 877	6
		2004.. 10 775	408 107	319 345	88 762	3
		2003.. 11 045	382 394	296 664	85 730	2
		2002.. 12 683	427 476	336 124	91 352	X
327113	Porcelain electrical supply manufacturing	2005.. 6 516	344 889	262 339	82 550	3
		2004.. 6 923	357 802	273 327	84 475	4
		2003.. 8 042	408 582	309 142	99 439	2
		2002.. 8 900	446 537	347 188	99 349	X
32712	Clay building material and refractories manufacturing	2005.. 29 676	1 466 791	1 142 918	323 873	1
		2004.. 29 560	1 388 588	1 077 833	310 755	1
		2003.. 31 013	1 393 952	1 085 992	307 960	1
		2002.. 30 933	1 359 846	1 067 301	292 545	X
327121	Brick and structural clay tile manufacturing	2005.. 12 966	580 217	462 604	117 612	3
		2004.. 12 995	544 913	437 482	107 431	3
		2003.. 13 465	537 389	435 942	101 447	2
		2002.. 13 208	528 039	429 924	98 115	X
327122	Ceramic wall and floor tile manufacturing	2005.. 5 979	257 571	204 801	52 770	1
		2004.. 6 101	260 265	204 863	55 402	1
		2003.. 6 650	262 080	210 321	51 759	1
		2002.. 6 482	251 724	202 466	49 258	X
327123	Other structural clay product manufacturing	2005.. 1 531	73 875	56 684	17 191	1
		2004.. 1 468	68 747	51 969	16 778	2
		2003.. 1 585	69 791	53 459	16 333	1
		2002.. 1 628	68 125	53 796	14 329	X
32712N	Refractory manufacturing	2005.. 9 201	555 129	418 829	136 300	2
		2004.. 8 996	514 663	383 518	131 145	2
		2003.. 9 313	524 691	386 269	138 421	3
		2002.. 9 615	511 958	381 115	130 843	X
3272	Glass and glass product manufacturing	2005.. 100 538	5 700 923	4 146 055	1 554 868	1
		2004.. 103 092	5 692 982	4 157 043	1 535 939	1
		2003.. 107 380	5 788 363	4 188 939	1 599 424	1
		2002.. 115 532	5 889 453	4 400 391	1 489 062	X
32721	Glass and glass product manufacturing	2005.. 100 538	5 700 923	4 146 055	1 554 868	1
		2004.. 103 092	5 692 982	4 157 043	1 535 939	1
		2003.. 107 380	5 788 363	4 188 939	1 599 424	1
		2002.. 115 532	5 889 453	4 400 391	1 489 062	X
327211	Flat glass manufacturing	2005.. 11 454	743 352	506 245	237 107	1
		2004.. 11 316	759 693	516 544	243 149	1
		2003.. 10 352	712 874	474 938	237 935	1
		2002.. 10 683	675 795	469 781	206 014	X
327212	Other pressed and blown glass and glassware manufacturing	2005.. 19 965	1 215 117	853 918	361 199	2
		2004.. 21 593	1 231 491	871 569	359 921	1
		2003.. 24 689	1 375 715	963 755	411 960	1
		2002.. 27 814	1 496 187	1 087 129	409 058	X
327213	Glass container manufacturing	2005.. 13 532	1 031 355	728 759	302 596	2
		2004.. 14 776	1 061 681	754 145	307 536	2
		2003.. 15 501	1 047 169	743 860	303 309	2
		2002.. 16 102	1 048 990	760 453	288 537	X
327215	Glass product manufacturing made of purchased glass	2005.. 55 587	2 711 098	2 057 133	653 965	1
		2004.. 55 406	2 640 117	2 014 784	625 332	1
		2003.. 56 838	2 652 605	2 006 386	646 219	3
		2002.. 60 933	2 668 481	2 083 028	585 453	X
3273	Cement and concrete product manufacturing	2005.. 222 049	11 404 249	9 174 849	2 229 400	1
		2004.. 213 666	10 624 467	8 521 068	2 103 399	1
		2003.. 212 089	10 114 269	8 109 122	2 005 148	1
		2002.. 218 252	9 922 304	8 014 976	1 907 328	X
32731	Cement manufacturing	2005.. 16 877	1 267 581	967 017	300 563	1
		2004.. 16 883	1 225 405	930 169	295 236	1
		2003.. 17 352	1 195 860	902 432	293 427	1
		2002.. 17 660	1 165 481	890 528	274 953	X
327310	Cement manufacturing	2005.. 16 877	1 267 581	967 017	300 563	1
		2004.. 16 883	1 225 405	930 169	295 236	1
		2003.. 17 352	1 195 860	902 432	293 427	1
		2002.. 17 660	1 165 481	890 528	274 953	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
327	Nonmetallic mineral product manufacturing—Con.					
3273	Cement and concrete product manufacturing—Con.					
32732	Ready-mix concrete manufacturing	2005.. 107 198	5 467 582	4 413 327	1 054 255	2
		2004.. 100 923	5 030 221	4 059 186	971 035	2
		2003.. 99 004	4 802 460	3 865 209	937 251	2
		2002.. 99 016	4 534 138	3 671 862	862 276	X
327320	Ready-mix concrete manufacturing	2005.. 107 198	5 467 582	4 413 327	1 054 255	2
		2004.. 100 923	5 030 221	4 059 186	971 035	2
		2003.. 99 004	4 802 460	3 865 209	937 251	2
		2002.. 99 016	4 534 138	3 671 862	862 276	X
32733	Concrete pipe, brick, and block manufacturing	2005.. 35 686	1 804 714	1 471 697	333 016	2
		2004.. 34 935	1 708 019	1 376 164	331 855	1
		2003.. 34 596	1 635 158	1 319 780	315 378	2
		2002.. 35 592	1 596 509	1 292 948	303 561	X
32733M	Concrete pipe, brick, and block manufacturing	2005.. 35 686	1 804 714	1 471 697	333 016	2
		2004.. 34 935	1 708 019	1 376 164	331 855	1
		2003.. 34 596	1 635 158	1 319 780	315 378	2
		2002.. 35 592	1 596 509	1 292 948	303 561	X
32739	Other concrete product manufacturing	2005.. 62 287	2 864 372	2 322 807	541 565	1
		2004.. 60 924	2 660 823	2 155 549	505 274	1
		2003.. 61 137	2 480 792	2 021 700	459 092	2
		2002.. 65 984	2 626 176	2 159 638	466 538	X
327390	Other concrete product manufacturing	2005.. 62 287	2 864 372	2 322 807	541 565	1
		2004.. 60 924	2 660 823	2 155 549	505 274	1
		2003.. 61 137	2 480 792	2 021 700	459 092	2
		2002.. 65 984	2 626 176	2 159 638	466 538	X
3274	Lime and gypsum product manufacturing	2005.. 16 109	996 528	784 353	212 174	1
		2004.. 15 341	912 260	720 329	191 930	1
		2003.. 15 914	929 800	722 615	207 185	2
		2002.. 15 878	858 888	682 023	176 865	X
32741	Lime manufacturing	2005.. 4 385	255 006	204 593	50 412	2
		2004.. 3 955	228 816	183 731	45 086	1
		2003.. 3 673	215 276	166 552	48 724	2
		2002.. 3 914	221 593	172 619	48 974	X
327410	Lime manufacturing	2005.. 4 385	255 006	204 593	50 412	2
		2004.. 3 955	228 816	183 731	45 086	1
		2003.. 3 673	215 276	166 552	48 724	2
		2002.. 3 914	221 593	172 619	48 974	X
32742	Gypsum product manufacturing	2005.. 11 724	741 522	579 760	161 762	1
		2004.. 11 386	683 443	536 599	146 845	1
		2003.. 12 241	714 524	556 063	158 461	2
		2002.. 11 964	637 295	509 404	127 891	X
327420	Gypsum product manufacturing	2005.. 11 724	741 522	579 760	161 762	1
		2004.. 11 386	683 443	536 599	146 845	1
		2003.. 12 241	714 524	556 063	158 461	2
		2002.. 11 964	637 295	509 404	127 891	X
3279	Other nonmetallic mineral product manufacturing	2005.. 73 914	3 962 490	3 102 631	859 858	2
		2004.. 72 198	3 817 863	2 960 327	857 536	1
		2003.. 70 522	3 609 460	2 803 508	805 952	1
		2002.. 72 440	3 536 017	2 779 971	756 046	X
32791	Abrasive product manufacturing	2005.. 14 384	870 292	661 868	208 424	2
		2004.. 16 201	899 849	690 224	209 624	2
		2003.. 15 228	850 897	662 268	188 630	1
		2002.. 16 914	880 029	686 588	193 441	X
327910	Abrasive product manufacturing	2005.. 14 384	870 292	661 868	208 424	2
		2004.. 16 201	899 849	690 224	209 624	2
		2003.. 15 228	850 897	662 268	188 630	1
		2002.. 16 914	880 029	686 588	193 441	X
32799	All other nonmetallic mineral product manufacturing	2005.. 59 530	3 092 198	2 440 763	651 435	2
		2004.. 55 997	2 918 014	2 270 103	647 911	1
		2003.. 55 294	2 758 563	2 141 240	617 322	1
		2002.. 55 526	2 655 988	2 093 383	562 605	X
327991	Cut stone and stone product manufacturing	2005.. 26 401	1 072 925	887 870	185 056	5
		2004.. 23 212	983 145	804 220	178 925	3
		2003.. 20 656	870 705	704 126	166 578	3
		2002.. 20 510	838 417	684 326	154 091	X
327992	Ground or treated mineral and earth manufacturing	2005.. 5 729	369 603	268 806	100 797	4
		2004.. 5 908	369 616	268 178	101 439	3
		2003.. 7 355	404 545	308 979	95 565	4
		2002.. 6 736	357 839	274 424	83 415	X
327993	Mineral wool manufacturing	2005.. 17 944	1 151 890	883 912	267 978	3
		2004.. 18 063	1 124 814	843 906	280 908	1
		2003.. 18 269	1 073 775	798 628	275 146	2
		2002.. 19 405	1 067 970	816 527	251 443	X
327999	All other miscellaneous nonmetallic mineral product manufacturing	2005.. 9 456	497 780	400 176	97 604	3
		2004.. 8 815	440 439	353 800	86 640	2
		2003.. 9 014	409 539	329 507	80 032	2
		2002.. 8 875	391 762	318 106	73 656	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
331	Primary metal manufacturing	2005.. 427 993	28 697 448	21 311 438	7 386 010	1
		2004.. 435 614	28 444 367	21 158 846	7 285 521	1
		2003.. 456 092	27 537 248	20 302 403	7 234 845	1
		2002.. 491 052	28 746 332	21 415 492	7 330 840	X
3311	Iron and steel mills and ferroalloy manufacturing	2005.. 102 422	9 057 142	6 634 912	2 422 230	1
		2004.. 110 110	9 289 885	6 806 064	2 483 821	1
		2003.. 112 105	8 594 747	6 081 291	2 513 456	1
		2002.. 121 382	9 025 016	6 349 676	2 675 340	X
33111	Iron and steel mills and ferroalloy manufacturing	2005.. 102 422	9 057 142	6 634 912	2 422 230	1
		2004.. 110 110	9 289 885	6 806 064	2 483 821	1
		2003.. 112 105	8 594 747	6 081 291	2 513 456	1
		2002.. 121 382	9 025 016	6 349 676	2 675 340	X
33111M	Iron and steel mills and ferroalloy manufacturing	2005.. 102 422	9 057 142	6 634 912	2 422 230	1
		2004.. 110 110	9 289 885	6 806 064	2 483 821	1
		2003.. 112 105	8 594 747	6 081 291	2 513 456	1
		2002.. 121 382	9 025 016	6 349 676	2 675 340	X
3312	Steel product manufacturing from purchased steel	2005.. 43 444	2 664 927	2 013 201	651 727	1
		2004.. 44 478	2 597 788	1 971 246	626 541	1
		2003.. 48 809	2 597 792	1 979 580	618 211	1
		2002.. 52 806	2 772 741	2 140 550	632 191	X
33121	Iron and steel pipe and tube manufacturing from purchased steel	2005.. 20 025	1 230 324	924 495	305 830	1
		2004.. 20 180	1 163 509	872 493	291 017	1
		2003.. 20 953	1 089 923	838 479	251 444	2
		2002.. 22 301	1 160 736	899 298	261 438	X
331210	Iron and steel pipe and tube manufacturing from purchased steel	2005.. 20 025	1 230 324	924 495	305 830	1
		2004.. 20 180	1 163 509	872 493	291 017	1
		2003.. 20 953	1 089 923	838 479	251 444	2
		2002.. 22 301	1 160 736	899 298	261 438	X
33122	Rolling and drawing of purchased steel	2005.. 23 419	1 434 603	1 088 706	345 897	2
		2004.. 24 299	1 434 278	1 098 754	335 525	2
		2003.. 27 856	1 507 869	1 141 101	366 767	1
		2002.. 30 505	1 612 005	1 241 252	370 753	X
33122M	Rolling and drawing of purchased steel	2005.. 23 419	1 434 603	1 088 706	345 897	2
		2004.. 24 299	1 434 278	1 098 754	335 525	2
		2003.. 27 856	1 507 869	1 141 101	366 767	1
		2002.. 30 505	1 612 005	1 241 252	370 753	X
3313	Alumina and aluminum production and processing	2005.. 64 635	4 273 433	3 077 971	1 195 462	1
		2004.. 63 767	4 117 997	2 947 400	1 170 597	1
		2003.. 68 336	4 084 807	2 935 046	1 149 761	1
		2002.. 70 381	4 131 096	3 089 607	1 041 489	X
33131	Alumina and aluminum production and processing	2005.. 64 635	4 273 433	3 077 971	1 195 462	1
		2004.. 63 767	4 117 997	2 947 400	1 170 597	1
		2003.. 68 336	4 084 807	2 935 046	1 149 761	1
		2002.. 70 381	4 131 096	3 089 607	1 041 489	X
331311	Alumina refining	2005.. 1 696	144 676	101 441	43 235	1
		2004.. 1 584	121 926	86 516	35 409	2
		2003.. 1 644	134 042	87 909	46 134	1
		2002.. 1 554	124 493	89 451	35 042	X
331312	Primary aluminum production	2005.. 8 737	695 172	457 222	237 950	1
		2004.. 10 030	795 751	522 167	273 584	1
		2003.. 11 029	820 251	541 329	278 922	1
		2002.. 12 085	854 602	627 391	227 211	X
331314	Secondary smelting and alloying of aluminum	2005.. 6 781	443 087	337 751	105 336	3
		2004.. 5 925	345 558	265 094	80 464	2
		2003.. 6 411	341 209	258 181	83 028	3
		2002.. 5 808	324 446	251 032	73 414	X
331316	Aluminum extruded product manufacturing	2005.. 26 175	1 364 724	1 032 686	332 039	1
		2004.. 25 719	1 301 542	983 941	317 601	1
		2003.. 27 286	1 330 678	1 006 565	324 113	2
		2002.. 27 991	1 304 225	1 004 976	299 249	X
33131N	Aluminum rolling and drawing	2005.. 21 246	1 625 773	1 148 871	476 903	1
		2004.. 20 510	1 553 221	1 089 682	463 539	1
		2003.. 21 965	1 458 627	1 041 062	417 565	1
		2002.. 22 943	1 523 330	1 116 757	406 573	X
3314	Nonferrous metal (except aluminum) production and processing	2005.. 56 248	3 672 574	2 743 363	929 211	1
		2004.. 56 957	3 549 585	2 666 322	883 263	1
		2003.. 60 981	3 540 582	2 672 804	867 778	1
		2002.. 66 780	3 768 804	2 859 322	909 482	X
33141	Nonferrous metal (except aluminum) smelting and refining	2005.. 8 397	580 680	433 938	146 742	1
		2004.. 8 127	565 006	419 654	145 352	1
		2003.. 8 646	556 102	414 340	141 762	1
		2002.. 10 484	646 669	482 516	164 153	X
331411	Primary smelting and refining of copper	2005.. 1 371	89 732	65 872	23 860	1
		2004.. 1 424	92 294	66 492	25 802	1
		2003.. 1 469	91 555	64 482	27 073	1
		2002.. 2 672	159 289	110 727	48 562	X
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	2005.. 7 026	490 948	368 066	122 882	1
		2004.. 6 703	472 712	353 162	119 550	1
		2003.. 7 177	464 547	349 858	114 689	2
		2002.. 7 812	487 380	371 789	115 591	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
331	Primary metal manufacturing—Con.					
3314	Nonferrous metal (except aluminum) production and processing—Con.					
33142	Copper rolling, drawing, extruding, and alloying.....	2005.. 24 429	1 483 013	1 097 294	385 719	1
		2004.. 25 278	1 492 591	1 118 371	374 220	1
		2003.. 27 148	1 513 563	1 136 653	376 910	1
		2002.. 29 897	1 601 159	1 208 741	392 418	X
33142M	Copper rolling, drawing, extruding, and alloying.....	2005.. 24 429	1 483 013	1 097 294	385 719	1
		2004.. 25 278	1 492 591	1 118 371	374 220	1
		2003.. 27 148	1 513 563	1 136 653	376 910	1
		2002.. 29 897	1 601 159	1 208 741	392 418	X
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	2005.. 23 422	1 608 881	1 212 131	396 750	2
		2004.. 23 553	1 491 988	1 128 297	363 691	1
		2003.. 25 188	1 470 916	1 121 810	349 106	1
		2002.. 26 399	1 520 976	1 168 065	352 911	X
33149M	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	2005.. 23 422	1 608 881	1 212 131	396 750	2
		2004.. 23 553	1 491 988	1 128 297	363 691	1
		2003.. 25 188	1 470 916	1 121 810	349 106	1
		2002.. 26 399	1 520 976	1 168 065	352 911	X
3315	Foundries	2005.. 161 243	9 029 371	6 841 991	2 187 380	1
		2004.. 160 302	8 889 112	6 767 813	2 121 299	1
		2003.. 165 861	8 719 320	6 633 682	2 085 638	1
		2002.. 179 703	9 048 675	6 976 337	2 072 338	X
33151	Ferrous metal foundries	2005.. 93 360	5 594 656	4 181 747	1 412 909	1
		2004.. 90 827	5 445 218	4 092 118	1 353 101	1
		2003.. 89 747	5 155 897	3 856 999	1 298 898	1
		2002.. 99 487	5 423 336	4 116 668	1 306 668	X
33151M	Ferrous metal foundries	2005.. 93 360	5 594 656	4 181 747	1 412 909	1
		2004.. 90 827	5 445 218	4 092 118	1 353 101	1
		2003.. 89 747	5 155 897	3 856 999	1 298 898	1
		2002.. 99 487	5 423 336	4 116 668	1 306 668	X
33152	Nonferrous metal foundries	2005.. 67 883	3 434 715	2 660 244	774 471	2
		2004.. 69 475	3 443 894	2 675 695	768 198	1
		2003.. 76 114	3 563 423	2 776 683	786 740	2
		2002.. 80 216	3 625 339	2 859 669	765 670	X
33152N	Aluminum foundries.....	2005.. 45 728	2 312 476	1 790 811	521 665	2
		2004.. 46 643	2 332 412	1 808 024	524 388	1
		2003.. 51 576	2 428 131	1 892 271	535 860	3
		2002.. 54 490	2 521 363	1 983 195	538 168	X
33152P	Foundries not aluminum	2005.. 22 154	1 122 240	869 433	252 806	3
		2004.. 22 832	1 111 481	867 671	243 811	3
		2003.. 24 538	1 135 292	884 412	250 880	2
		2002.. 25 726	1 103 976	876 474	227 502	X
332	Fabricated metal product manufacturing	2005.. 1 460 268	73 506 085	59 342 215	14 163 871	1
		2004.. 1 468 514	71 082 747	57 378 668	13 704 080	1
		2003.. 1 487 585	69 258 685	56 074 974	13 183 711	1
		2002.. 1 573 252	70 549 040	57 434 627	13 114 413	X
3321	Forging and stamping	2005.. 121 171	6 475 759	5 127 448	1 348 311	2
		2004.. 121 459	6 229 066	4 945 133	1 283 933	1
		2003.. 121 851	5 865 651	4 697 630	1 168 021	1
		2002.. 127 681	5 972 250	4 821 939	1 150 311	X
33211	Forging and stamping	2005.. 121 171	6 475 759	5 127 448	1 348 311	2
		2004.. 121 459	6 229 066	4 945 133	1 283 933	1
		2003.. 121 851	5 865 651	4 697 630	1 168 021	1
		2002.. 127 681	5 972 250	4 821 939	1 150 311	X
332114	Custom roll forming	2005.. 17 320	902 626	722 823	179 803	3
		2004.. 16 502	832 095	667 673	164 422	4
		2003.. 16 938	794 803	644 117	150 685	3
		2002.. 17 534	793 293	652 213	141 080	X
332117	Powder metallurgy parts manufacturing	2005.. 8 090	408 630	313 493	95 137	3
		2004.. 8 102	396 281	310 322	85 960	2
		2003.. 8 595	391 664	307 884	83 781	4
		2002.. 9 102	405 537	324 973	80 564	X
33211N	Forging	2005.. 28 944	1 801 015	1 360 203	440 812	2
		2004.. 29 447	1 734 288	1 301 776	432 512	1
		2003.. 28 000	1 606 210	1 227 771	378 439	1
		2002.. 31 846	1 691 758	1 310 434	381 324	X
33211P	Crown, closure, and metal stamping manufacturing	2005.. 66 817	3 363 488	2 730 928	632 560	3
		2004.. 67 408	3 266 401	2 665 362	601 039	3
		2003.. 68 319	3 072 974	2 517 857	555 117	2
		2002.. 69 199	3 081 662	2 534 319	547 343	X
3322	Cutlery and handtool manufacturing	2005.. 52 330	2 786 168	2 178 475	607 693	2
		2004.. 54 424	2 770 773	2 159 110	611 663	1
		2003.. 60 472	2 911 181	2 274 733	636 448	1
		2002.. 64 599	3 057 892	2 401 437	656 455	X

See footnotes at end of table.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
332	Fabricated metal product manufacturing—Con.					
3322	Cutlery and handtool manufacturing—Con.					
33221	Cutlery and hand tool manufacturing	2005.. 52 330	2 786 168	2 178 475	607 693	2
		2004.. 54 424	2 770 773	2 159 110	611 663	1
		2003.. 60 472	2 911 181	2 274 733	636 448	1
		2002.. 64 599	3 057 892	2 401 437	656 455	X
33221N	Cutlery, kitchen utensil, pot, and pan manufacturing	2005.. 9 749	566 591	425 069	141 522	1
		2004.. 10 555	603 902	453 726	150 176	1
		2003.. 13 065	702 992	523 598	179 394	2
		2002.. 13 083	696 561	526 580	169 981	X
33221P	Hand tool and saw blade manufacturing	2005.. 42 581	2 219 577	1 753 406	466 171	2
		2004.. 43 868	2 166 871	1 705 384	461 488	2
		2003.. 47 408	2 208 189	1 751 134	457 055	1
		2002.. 51 516	2 361 331	1 874 857	486 474	X
3323	Architectural and structural metals manufacturing	2005.. 355 227	16 856 283	13 825 431	3 030 852	1
		2004.. 362 297	16 299 282	13 368 958	2 930 324	2
		2003.. 370 656	16 026 299	13 140 293	2 886 006	1
		2002.. 386 715	16 287 548	13 449 222	2 838 326	X
33231	Plate work and fabricated structural product manufacturing	2005.. 141 407	7 188 978	5 894 032	1 294 946	2
		2004.. 147 874	7 013 977	5 746 819	1 267 158	3
		2003.. 152 834	7 034 340	5 752 612	1 281 727	1
		2002.. 162 832	7 264 570	6 015 105	1 249 465	X
33231M	Plate work and fabricated structural product manufacturing	2005.. 141 407	7 188 978	5 894 032	1 294 946	2
		2004.. 147 874	7 013 977	5 746 819	1 267 158	3
		2003.. 152 834	7 034 340	5 752 612	1 281 727	1
		2002.. 162 832	7 264 570	6 015 105	1 249 465	X
33232	Ornamental and architectural metal work manufacturing	2005.. 213 820	9 667 305	7 931 399	1 735 907	1
		2004.. 214 424	9 285 305	7 622 139	1 663 166	1
		2003.. 217 822	8 991 960	7 387 681	1 604 279	1
		2002.. 223 883	9 022 978	7 434 117	1 588 861	X
33232M	Ornamental and architectural metal work manufacturing	2005.. 213 820	9 667 305	7 931 399	1 735 907	1
		2004.. 214 424	9 285 305	7 622 139	1 663 166	1
		2003.. 217 822	8 991 960	7 387 681	1 604 279	1
		2002.. 223 883	9 022 978	7 434 117	1 588 861	X
3324	Boiler, tank, and shipping container manufacturing	2005.. 81 133	4 681 396	3 592 391	1 089 006	1
		2004.. 82 985	4 589 522	3 539 716	1 049 806	1
		2003.. 84 856	4 535 397	3 538 698	996 698	1
		2002.. 88 628	4 506 657	3 536 610	970 047	X
33241	Power boiler and heat exchanger manufacturing	2005.. 16 954	1 017 222	803 416	213 806	4
		2004.. 16 983	944 305	748 395	195 910	4
		2003.. 18 824	974 857	789 540	185 317	4
		2002.. 19 798	996 116	792 802	203 314	X
332410	Power boiler and heat exchanger manufacturing	2005.. 16 954	1 017 222	803 416	213 806	4
		2004.. 16 983	944 305	748 395	195 910	4
		2003.. 18 824	974 857	789 540	185 317	4
		2002.. 19 798	996 116	792 802	203 314	X
33242	Metal tank (heavy gauge) manufacturing	2005.. 28 975	1 533 571	1 224 265	309 306	3
		2004.. 29 752	1 502 493	1 208 578	293 915	3
		2003.. 29 377	1 426 669	1 156 241	270 429	2
		2002.. 30 556	1 443 377	1 170 531	272 846	X
332420	Metal tank (heavy gauge) manufacturing	2005.. 28 975	1 533 571	1 224 265	309 306	3
		2004.. 29 752	1 502 493	1 208 578	293 915	3
		2003.. 29 377	1 426 669	1 156 241	270 429	2
		2002.. 30 556	1 443 377	1 170 531	272 846	X
33243	Metal can, box, and other metal container (light gauge) manufacturing	2005.. 35 204	2 130 604	1 564 710	565 894	1
		2004.. 36 250	2 142 725	1 582 743	559 982	1
		2003.. 36 655	2 133 871	1 592 918	540 953	1
		2002.. 38 274	2 067 164	1 573 277	493 887	X
33243M	Metal can, box, and other metal container (light gauge) manufacturing	2005.. 35 204	2 130 604	1 564 710	565 894	1
		2004.. 36 250	2 142 725	1 582 743	559 982	1
		2003.. 36 655	2 133 871	1 592 918	540 953	1
		2002.. 38 274	2 067 164	1 573 277	493 887	X
3325	Hardware manufacturing	2005.. 46 906	2 331 200	1 811 224	519 976	2
		2004.. 51 942	2 486 574	1 917 638	568 935	2
		2003.. 56 335	2 559 396	1 988 328	571 068	1
		2002.. 61 039	2 689 891	2 082 212	607 679	X
33251	Hardware manufacturing	2005.. 46 906	2 331 200	1 811 224	519 976	2
		2004.. 51 942	2 486 574	1 917 638	568 935	2
		2003.. 56 335	2 559 396	1 988 328	571 068	1
		2002.. 61 039	2 689 891	2 082 212	607 679	X
332510	Hardware manufacturing	2005.. 46 906	2 331 200	1 811 224	519 976	2
		2004.. 51 942	2 486 574	1 917 638	568 935	2
		2003.. 56 335	2 559 396	1 988 328	571 068	1
		2002.. 61 039	2 689 891	2 082 212	607 679	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
332	Fabricated metal product manufacturing—Con.					
3326	Spring and wire product manufacturing	2005.. 55 149	2 466 071	1 998 001	468 070	2
		2004.. 56 308	2 386 174	1 941 808	444 366	2
		2003.. 61 075	2 429 467	1 992 651	436 816	2
		2002.. 62 263	2 424 340	1 991 938	432 402	X
33261	Spring and wire product manufacturing	2005.. 55 149	2 466 071	1 998 001	468 070	2
		2004.. 56 308	2 386 174	1 941 808	444 366	2
		2003.. 61 075	2 429 467	1 992 651	436 816	2
		2002.. 62 263	2 424 340	1 991 938	432 402	X
33261M	Spring and wire product manufacturing	2005.. 55 149	2 466 071	1 998 001	468 070	2
		2004.. 56 308	2 386 174	1 941 808	444 366	2
		2003.. 61 075	2 429 467	1 992 651	436 816	2
		2002.. 62 263	2 424 340	1 991 938	432 402	X
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2005.. 362 627	17 761 462	14 869 643	2 891 819	1
		2004.. 349 899	16 722 615	13 985 515	2 737 100	1
		2003.. 336 732	15 956 227	13 391 414	2 564 813	1
		2002.. 360 513	16 069 129	13 559 301	2 509 828	X
33271	Machine shops	2005.. 248 737	11 878 947	10 074 626	1 804 321	1
		2004.. 238 641	11 129 254	9 412 804	1 716 450	1
		2003.. 222 580	10 416 403	8 872 618	1 543 785	1
		2002.. 240 080	10 493 149	8 973 341	1 519 808	X
332710	Machine shops	2005.. 248 737	11 878 947	10 074 626	1 804 321	1
		2004.. 238 641	11 129 254	9 412 804	1 716 450	1
		2003.. 222 580	10 416 403	8 872 618	1 543 785	1
		2002.. 240 080	10 493 149	8 973 341	1 519 808	X
33272	Turned product and screw, nut, and bolt manufacturing	2005.. 113 890	5 882 515	4 795 017	1 087 498	1
		2004.. 111 259	5 593 361	4 572 711	1 020 650	1
		2003.. 114 152	5 539 824	4 518 795	1 021 029	1
		2002.. 120 433	5 575 980	4 585 960	990 020	X
332721	Precision turned product manufacturing	2005.. 74 073	3 623 547	3 030 848	592 700	2
		2004.. 71 862	3 437 873	2 883 581	554 292	2
		2003.. 69 919	3 256 783	2 725 027	531 756	1
		2002.. 75 665	3 310 722	2 792 029	518 693	X
332722	Bolt, nut, screw, rivet, and washer manufacturing	2005.. 39 817	2 258 968	1 764 169	494 799	2
		2004.. 39 397	2 155 487	1 689 130	466 358	2
		2003.. 44 234	2 283 041	1 793 769	489 273	1
		2002.. 44 768	2 265 258	1 793 931	471 327	X
3328	Coating, engraving, heat treating, and allied activities	2005.. 126 607	5 812 095	4 788 244	1 023 851	1
		2004.. 129 346	5 630 484	4 653 959	976 524	1
		2003.. 128 130	5 369 668	4 450 824	918 844	2
		2002.. 138 163	5 635 384	4 689 872	945 512	X
33281	Coating, engraving, heat treating, and allied activities	2005.. 126 607	5 812 095	4 788 244	1 023 851	1
		2004.. 129 346	5 630 484	4 653 959	976 524	1
		2003.. 128 130	5 369 668	4 450 824	918 844	2
		2002.. 138 163	5 635 384	4 689 872	945 512	X
33281M	Coating, engraving, heat treating, and allied activities	2005.. 126 607	5 812 095	4 788 244	1 023 851	1
		2004.. 129 346	5 630 484	4 653 959	976 524	1
		2003.. 128 130	5 369 668	4 450 824	918 844	2
		2002.. 138 163	5 635 384	4 689 872	945 512	X
3329	Other fabricated metal product manufacturing	2005.. 259 118	14 335 651	11 151 358	3 184 293	1
		2004.. 259 855	13 968 258	10 866 830	3 101 428	1
		2003.. 267 477	13 605 399	10 600 403	3 004 996	1
		2002.. 283 651	13 905 949	10 902 096	3 003 853	X
33291	Metal valve manufacturing	2005.. 98 828	5 805 554	4 420 253	1 385 301	1
		2004.. 99 380	5 656 383	4 329 695	1 326 688	1
		2003.. 102 276	5 442 057	4 206 932	1 235 125	1
		2002.. 109 826	5 574 460	4 331 645	1 242 815	X
332913	Plumbing fixture fitting and trim manufacturing	2005.. 11 206	607 288	471 042	136 246	10
		2004.. 11 461	641 488	493 122	148 366	12
		2003.. 12 410	608 344	463 186	145 158	1
		2002.. 13 961	627 129	480 264	146 865	X
33291N	Valve and fitting (except plumbing) manufacturing	2005.. 87 622	5 198 266	3 949 212	1 249 055	1
		2004.. 87 918	5 014 895	3 836 573	1 178 322	1
		2003.. 89 866	4 833 713	3 743 746	1 089 968	1
		2002.. 95 865	4 947 331	3 851 381	1 095 950	X
33299	All other fabricated metal product manufacturing	2005.. 160 289	8 530 097	6 731 105	1 798 992	1
		2004.. 160 476	8 311 875	6 537 135	1 774 740	1
		2003.. 165 201	8 163 341	6 393 471	1 769 870	1
		2002.. 173 825	8 331 489	6 570 451	1 761 038	X
332991	Ball and roller bearing manufacturing	2005.. 25 520	1 591 926	1 157 938	433 988	3
		2004.. 27 217	1 613 781	1 180 544	433 237	3
		2003.. 27 655	1 556 787	1 111 208	445 579	1
		2002.. 29 351	1 661 587	1 211 769	449 818	X
332992	Small arms ammunition manufacturing	2005.. 8 242	494 519	354 196	140 323	1
		2004.. 7 266	443 321	330 096	113 225	2
		2003.. 7 304	407 051	312 912	94 140	1
		2002.. 6 740	361 626	269 205	92 421	X
332993	Ammunition (except small arms) manufacturing	2005.. 7 494	439 241	348 385	90 857	3
		2004.. 7 340	465 193	352 840	112 353	1
		2003.. 6 270	366 970	279 289	87 682	1
		2002.. 6 770	379 430	291 149	88 281	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
332	Fabricated metal product manufacturing—Con.					
3329	Other fabricated metal product manufacturing—Con.					
33299	All other fabricated metal product manufacturing—Con.					
332994	Small arms manufacturing	2005.. 12 735	647 716	523 009	124 707	2
		2004.. 11 402	615 251	494 317	120 934	1
		2003.. 11 069	558 053	439 289	118 764	1
		2002.. 10 020	505 347	399 902	105 445	X
332995	Other ordnance and accessories manufacturing	2005.. 4 448	356 760	291 251	65 509	1
		2004.. 4 675	359 664	286 918	72 746	1
		2003.. 4 507	338 109	271 356	66 753	2
		2002.. 5 271	361 894	296 436	65 458	X
332996	Fabricated pipe and pipe fitting manufacturing	2005.. 24 721	1 182 257	967 221	215 036	3
		2004.. 23 565	1 058 989	867 413	191 576	3
		2003.. 23 812	1 037 022	842 747	194 275	4
		2002.. 26 627	1 088 338	899 579	188 759	X
33299N	Other fabricated metal products manufacturing	2005.. 77 128	3 817 677	3 089 105	728 572	2
		2004.. 79 011	3 755 677	3 025 008	730 670	2
		2003.. 84 583	3 899 349	3 136 672	762 677	1
		2002.. 89 046	3 973 267	3 202 411	770 856	X
333	Machinery manufacturing	2005.. 1 062 705	63 776 398	50 233 020	13 543 379	1
		2004.. 1 056 885	61 246 172	48 343 706	12 902 466	1
		2003.. 1 097 894	61 083 888	48 164 580	12 919 308	1
		2002.. 1 166 825	62 094 040	49 511 908	12 582 132	X
3331	Agriculture, construction, and mining machinery manufacturing	2005.. 174 164	10 088 411	7 591 520	2 496 892	1
		2004.. 167 971	9 597 085	7 284 355	2 312 729	1
		2003.. 169 111	9 285 431	6 980 908	2 304 523	1
		2002.. 170 339	9 179 813	7 043 767	2 136 046	X
33311	Agricultural implement manufacturing	2005.. 73 934	3 937 766	2 898 062	1 039 704	1
		2004.. 74 219	3 908 680	2 916 270	992 410	1
		2003.. 76 607	3 810 425	2 821 265	989 160	1
		2002.. 75 673	3 702 109	2 804 799	897 310	X
333111	Farm machinery and equipment manufacturing	2005.. 52 547	2 983 655	2 204 428	779 227	1
		2004.. 52 385	2 932 870	2 200 493	732 377	1
		2003.. 54 020	2 860 606	2 117 865	742 742	2
		2002.. 53 224	2 781 643	2 114 595	667 048	X
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	2005.. 21 387	954 111	693 634	260 477	2
		2004.. 21 834	975 810	715 777	260 033	1
		2003.. 22 587	949 819	703 400	246 419	1
		2002.. 22 449	920 466	690 204	230 262	X
33312	Construction machinery manufacturing	2005.. 59 735	3 582 762	2 682 887	899 874	1
		2004.. 55 839	3 309 023	2 491 406	817 618	1
		2003.. 54 077	3 213 358	2 363 886	849 472	1
		2002.. 56 963	3 325 832	2 516 215	809 617	X
333120	Construction machinery manufacturing	2005.. 59 735	3 582 762	2 682 887	899 874	1
		2004.. 55 839	3 309 023	2 491 406	817 618	1
		2003.. 54 077	3 213 358	2 363 886	849 472	1
		2002.. 56 963	3 325 832	2 516 215	809 617	X
33313	Mining and oil and gas field machinery manufacturing	2005.. 40 495	2 567 884	2 010 570	557 313	2
		2004.. 37 912	2 379 381	1 876 679	502 702	3
		2003.. 38 427	2 261 647	1 795 756	465 891	3
		2002.. 37 703	2 151 872	1 722 753	429 119	X
33313M	Mining and oil and gas field machinery manufacturing	2005.. 40 495	2 567 884	2 010 570	557 313	2
		2004.. 37 912	2 379 381	1 876 679	502 702	3
		2003.. 38 427	2 261 647	1 795 756	465 891	3
		2002.. 37 703	2 151 872	1 722 753	429 119	X
3332	Industrial machinery manufacturing	2005.. 128 417	8 676 343	7 179 174	1 497 170	2
		2004.. 131 538	8 443 899	6 963 317	1 480 582	1
		2003.. 137 541	8 583 399	7 056 694	1 526 705	1
		2002.. 153 964	9 017 973	7 453 173	1 564 800	X
33321	Sawmill and woodworking machinery manufacturing	2005.. 5 877	321 425	264 501	56 924	7
		2004.. 6 398	333 064	277 960	55 104	5
		2003.. 6 587	318 894	263 861	55 033	3
		2002.. 6 806	317 600	262 382	55 218	X
333210	Sawmill and woodworking machinery manufacturing	2005.. 5 877	321 425	264 501	56 924	7
		2004.. 6 398	333 064	277 960	55 104	5
		2003.. 6 587	318 894	263 861	55 033	3
		2002.. 6 806	317 600	262 382	55 218	X
33322	Plastics and rubber industry machinery manufacturing	2005.. 13 428	830 404	673 543	156 861	3
		2004.. 14 509	877 465	705 605	171 860	5
		2003.. 14 366	862 731	687 538	175 193	2
		2002.. 16 495	923 418	743 679	179 739	X
333220	Plastics and rubber industry machinery manufacturing	2005.. 13 428	830 404	673 543	156 861	3
		2004.. 14 509	877 465	705 605	171 860	5
		2003.. 14 366	862 731	687 538	175 193	2
		2002.. 16 495	923 418	743 679	179 739	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
333	Machinery manufacturing—Con.					
3332	Industrial machinery manufacturing—Con.					
33329	Other industrial machinery manufacturing	2005.. 109 112	7 524 515	6 241 130	1 283 385	2
		2004.. 110 630	7 233 371	5 979 752	1 253 619	2
		2003.. 116 588	7 401 774	6 105 294	1 296 480	1
		2002.. 130 663	7 776 955	6 447 112	1 329 843	X
333295	Semiconductor machinery manufacturing	2005.. 24 390	2 300 684	1 942 275	358 409	3
		2004.. 25 799	2 259 968	1 907 173	352 795	3
		2003.. 30 723	2 431 334	2 025 510	405 824	1
		2002.. 34 998	2 545 512	2 137 501	408 011	X
33329N	Other machinery manufacturing	2005.. 84 723	5 223 831	4 298 855	924 976	2
		2004.. 84 831	4 973 403	4 072 579	900 824	2
		2003.. 85 866	4 970 440	4 079 784	890 655	1
		2002.. 95 665	5 231 443	4 309 611	921 832	X
3333	Commercial and service industry machinery manufacturing	2005.. 88 506	5 240 988	4 155 048	1 085 940	1
		2004.. 87 307	4 983 544	3 952 039	1 031 505	1
		2003.. 93 409	5 112 206	4 058 981	1 053 225	1
		2002.. 100 851	5 261 003	4 222 920	1 038 083	X
33331	Commercial and service industry machinery manufacturing	2005.. 88 506	5 240 988	4 155 048	1 085 940	1
		2004.. 87 307	4 983 544	3 952 039	1 031 505	1
		2003.. 93 409	5 112 206	4 058 981	1 053 225	1
		2002.. 100 851	5 261 003	4 222 920	1 038 083	X
333313	Office machinery manufacturing	2005.. 6 632	399 746	333 155	66 591	1
		2004.. 7 026	420 581	349 096	71 486	2
		2003.. 7 049	400 572	332 805	67 768	2
		2002.. 10 118	546 876	449 184	97 692	X
333314	Optical instrument and lens manufacturing	2005.. 16 432	1 130 322	910 331	219 991	2
		2004.. 16 016	1 089 966	867 758	222 207	2
		2003.. 17 846	1 100 213	895 310	204 904	3
		2002.. 17 323	1 033 115	847 569	185 546	X
333315	Photographic and photocopying equipment manufacturing	2005.. 6 826	371 071	306 546	64 525	12
		2004.. 6 823	358 213	291 658	66 556	12
		2003.. 7 680	425 969	330 989	94 980	3
		2002.. 8 820	467 558	365 779	101 779	X
33331N	All other commercial and service industry machinery manufacturing	2005.. 58 617	3 339 848	2 605 015	734 833	1
		2004.. 57 442	3 114 784	2 443 527	671 257	1
		2003.. 60 834	3 185 452	2 499 878	685 574	2
		2002.. 64 590	3 213 454	2 560 388	653 066	X
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2005.. 146 654	7 282 964	5 625 443	1 657 521	1
		2004.. 144 469	6 911 213	5 324 305	1 586 909	1
		2003.. 150 993	7 033 971	5 426 006	1 607 965	1
		2002.. 157 833	7 054 396	5 500 897	1 553 499	X
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2005.. 146 654	7 282 964	5 625 443	1 657 521	1
		2004.. 144 469	6 911 213	5 324 305	1 586 909	1
		2003.. 150 993	7 033 971	5 426 006	1 607 965	1
		2002.. 157 833	7 054 396	5 500 897	1 553 499	X
333414	Heating equipment (except warm air furnaces) manufacturing	2005.. 20 454	1 027 855	809 126	218 730	2
		2004.. 20 908	988 882	785 499	203 383	2
		2003.. 20 291	941 829	745 618	196 211	2
		2002.. 22 265	959 634	763 148	196 486	X
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	2005.. 102 157	5 176 843	3 937 630	1 239 213	1
		2004.. 99 035	4 873 433	3 691 029	1 182 404	1
		2003.. 104 668	4 975 494	3 776 417	1 199 078	1
		2002.. 108 274	4 955 108	3 815 747	1 139 361	X
33341N	Ventilation equipment manufacturing	2005.. 24 043	1 078 266	878 687	199 579	3
		2004.. 24 526	1 048 898	847 777	201 122	2
		2003.. 26 033	1 116 648	903 971	212 677	3
		2002.. 27 294	1 139 654	922 002	217 652	X
3335	Metalworking machinery manufacturing	2005.. 166 351	9 972 421	8 288 810	1 683 611	1
		2004.. 166 702	9 575 252	7 981 997	1 593 255	1
		2003.. 172 183	9 501 343	7 889 085	1 612 259	1
		2002.. 190 012	9 958 337	8 318 447	1 639 890	X
33351	Metalworking machinery manufacturing	2005.. 166 351	9 972 421	8 288 810	1 683 611	1
		2004.. 166 702	9 575 252	7 981 997	1 593 255	1
		2003.. 172 183	9 501 343	7 889 085	1 612 259	1
		2002.. 190 012	9 958 337	8 318 447	1 639 890	X
333511	Industrial mold manufacturing	2005.. 41 784	2 349 981	1 967 282	382 700	2
		2004.. 41 029	2 251 731	1 882 992	368 739	1
		2003.. 41 182	2 242 291	1 880 236	362 054	2
		2002.. 45 625	2 363 210	1 995 336	367 874	X
333512	Machine tool (metal cutting types) manufacturing	2005.. 16 168	1 083 181	910 133	173 047	3
		2004.. 15 913	1 004 858	843 823	161 036	3
		2003.. 16 281	979 318	822 492	156 826	2
		2002.. 18 143	1 028 741	864 131	164 610	X
333513	Machine tool (metal forming types) manufacturing	2005.. 7 019	456 136	362 531	93 605	4
		2004.. 6 929	446 344	362 806	83 537	3
		2003.. 7 673	456 994	369 608	87 385	2
		2002.. 7 578	436 296	355 905	80 391	X

See footnotes at end of table.

Table 3. **Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.**

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column— D
			Total	Payroll	Total fringe benefits	
			A	B	C	
333	Machinery manufacturing—Con.					
3335	Metalworking machinery manufacturing—Con.					
33351	Metalworking machinery manufacturing—Con.					
333514	Special die and tool, die set, jig, and fixture manufacturing	2005.. 54 706	3 317 144	2 788 220	528 924	1
		2004.. 53 897	3 108 138	2 629 042	479 097	1
		2003.. 54 843	3 048 374	2 561 163	487 211	2
		2002.. 60 662	3 131 053	2 651 304	479 749	X
333515	Cutting tool and machine tool accessory manufacturing	2005.. 33 044	1 791 513	1 447 311	344 202	2
		2004.. 33 819	1 787 393	1 443 498	343 896	2
		2003.. 36 337	1 807 751	1 453 046	354 704	1
		2002.. 39 641	1 909 422	1 541 578	367 844	X
333516	Rolling mill machinery and equipment manufacturing	2005.. 2 472	185 288	142 557	42 730	2
		2004.. 2 423	155 706	127 557	28 149	2
		2003.. 2 477	151 150	123 572	27 578	4
		2002.. 2 673	165 361	136 635	28 726	X
333518	Other metalworking machinery manufacturing	2005.. 11 158	789 178	670 776	118 401	6
		2004.. 12 691	821 081	692 279	128 802	6
		2003.. 13 390	815 467	678 966	136 501	1
		2002.. 15 690	924 254	773 558	150 696	X
3336	Engine, turbine, and power transmission equipment manufacturing	2005.. 90 944	6 075 073	4 475 980	1 599 093	1
		2004.. 87 034	5 876 468	4 310 755	1 565 713	1
		2003.. 88 608	5 734 387	4 236 499	1 497 888	1
		2002.. 97 397	5 859 297	4 367 295	1 492 002	X
33361	Engine, turbine, and power transmission equipment manufacturing	2005.. 90 944	6 075 073	4 475 980	1 599 093	1
		2004.. 87 034	5 876 468	4 310 755	1 565 713	1
		2003.. 88 608	5 734 387	4 236 499	1 497 888	1
		2002.. 97 397	5 859 297	4 367 295	1 492 002	X
333611	Turbine and turbine generator set unit manufacturing	2005.. 17 070	1 218 263	941 740	276 523	1
		2004.. 15 160	1 125 549	860 487	265 062	1
		2003.. 16 029	1 189 415	924 540	264 874	2
		2002.. 19 486	1 306 128	1 004 848	301 280	X
333612	Speed changer, industrial high-speed drive, and gear manufacturing	2005.. 10 922	661 717	508 287	153 430	3
		2004.. 11 646	664 212	512 106	152 106	2
		2003.. 12 356	686 576	522 927	163 649	2
		2002.. 13 237	704 943	547 444	157 499	X
333613	Mechanical power transmission equipment manufacturing	2005.. 14 558	894 309	684 887	209 422	1
		2004.. 15 264	890 120	684 219	205 900	1
		2003.. 15 603	851 763	649 667	202 096	2
		2002.. 16 752	884 317	674 527	209 790	X
333618	Other engine equipment manufacturing	2005.. 48 393	3 300 785	2 341 066	959 718	1
		2004.. 44 963	3 196 587	2 253 942	942 644	1
		2003.. 44 620	3 006 634	2 139 364	867 269	7
		2002.. 47 922	2 963 909	2 140 476	823 433	X
3339	Other general purpose machinery manufacturing	2005.. 267 670	16 440 198	12 917 046	3 523 153	1
		2004.. 271 865	15 858 710	12 526 939	3 331 772	1
		2003.. 286 049	15 833 151	12 516 408	3 316 743	2
		2002.. 296 429	15 763 221	12 605 409	3 157 812	X
33391	Pump and compressor manufacturing	2005.. 52 421	3 460 203	2 673 654	786 549	1
		2004.. 55 000	3 401 685	2 627 913	773 772	1
		2003.. 58 517	3 323 638	2 567 169	756 470	7
		2002.. 55 913	3 124 455	2 468 234	656 221	X
333911	Pump and pumping equipment manufacturing	2005.. 29 619	1 920 283	1 486 001	434 282	2
		2004.. 31 952	1 896 201	1 469 458	426 744	1
		2003.. 31 010	1 780 457	1 393 270	387 187	2
		2002.. 31 805	1 753 901	1 392 912	360 989	X
333912	Air and gas compressor manufacturing	2005.. 18 983	1 284 577	991 098	293 479	3
		2004.. 19 222	1 266 216	974 453	291 764	2
		2003.. 23 495	1 301 216	989 491	311 724	16
		2002.. 20 060	1 149 448	898 632	250 816	X
333913	Measuring and dispensing pump manufacturing	2005.. 3 819	255 343	196 554	58 789	1
		2004.. 3 826	239 267	184 003	55 265	1
		2003.. 4 012	241 966	184 407	57 559	1
		2002.. 4 048	221 106	176 690	44 416	X
33392	Material handling equipment manufacturing	2005.. 76 311	4 426 434	3 531 091	895 343	2
		2004.. 75 011	4 145 055	3 332 500	812 555	2
		2003.. 77 269	4 134 622	3 306 169	828 452	1
		2002.. 82 397	4 167 610	3 343 021	824 589	X
33392M	Material handling equipment manufacturing	2005.. 76 311	4 426 434	3 531 091	895 343	2
		2004.. 75 011	4 145 055	3 332 500	812 555	2
		2003.. 77 269	4 134 622	3 306 169	828 452	1
		2002.. 82 397	4 167 610	3 343 021	824 589	X
33399	All other general purpose machinery manufacturing	2005.. 138 938	8 553 562	6 712 302	1 841 260	1
		2004.. 141 853	8 311 970	6 566 525	1 745 445	1
		2003.. 150 263	8 374 891	6 643 070	1 731 821	1
		2002.. 158 119	8 471 156	6 794 154	1 677 002	X
333991	Power-driven hand tool manufacturing	2005.. 8 988	480 960	366 985	113 975	5
		2004.. 9 618	524 439	402 680	121 759	3
		2003.. 11 475	581 959	445 997	135 962	1
		2002.. 11 675	553 822	425 521	128 301	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
333	Machinery manufacturing—Con.					
3339	Other general purpose machinery manufacturing—Con.					
33399	All other general purpose machinery manufacturing—Con.					
333993	Packaging machinery manufacturing	20 127	1 261 067	1 025 375	235 693	3
	2004..	21 888	1 350 164	1 096 406	253 759	2
	2003..	23 976	1 389 419	1 138 336	251 083	4
	2002..	24 753	1 420 812	1 169 062	251 750	X
333994	Industrial process furnace and oven manufacturing	10 337	581 341	476 249	105 092	3
	2004..	9 813	545 800	446 249	99 550	3
	2003..	10 711	568 002	464 635	103 368	3
	2002..	11 513	577 262	474 079	103 183	X
33399N	Fluid power equipment manufacturing	30 927	2 027 404	1 527 952	499 452	1
	2004..	30 295	1 845 381	1 391 503	453 878	2
	2003..	32 292	1 860 392	1 405 319	455 073	1
	2002..	32 201	1 786 229	1 374 698	411 531	X
33399P	All other miscellaneous general purpose machinery manufacturing	68 559	4 202 789	3 315 741	887 048	3
	2004..	70 240	4 046 186	3 229 687	816 499	2
	2003..	71 809	3 975 118	3 188 784	786 334	1
	2002..	77 977	4 133 031	3 350 794	782 237	X
334	Computer and electronic product manufacturing	1 003 682	74 397 741	59 833 766	14 563 975	1
	2004..	1 050 050	75 129 571	60 404 464	14 725 108	1
	2003..	1 144 459	78 592 565	63 470 283	15 122 281	1
	2002..	1 258 928	79 526 201	64 352 797	15 173 404	X
3341	Computer and peripheral equipment manufacturing	100 990	7 673 276	6 300 541	1 372 735	2
	2004..	100 784	7 381 924	6 176 208	1 205 717	2
	2003..	142 920	11 160 917	9 431 041	1 729 876	1
	2002..	151 073	9 915 462	8 282 089	1 633 373	X
33411	Computer and peripheral equipment manufacturing	100 990	7 673 276	6 300 541	1 372 735	2
	2004..	100 784	7 381 924	6 176 208	1 205 717	2
	2003..	142 920	11 160 917	9 431 041	1 729 876	1
	2002..	151 073	9 915 462	8 282 089	1 633 373	X
334111	Electronic computer manufacturing	39 209	2 810 668	2 349 060	461 608	1
	2004..	37 390	2 608 740	2 252 860	355 880	1
	2003..	66 271	5 610 527	4 873 365	737 162	1
	2002..	62 227	3 868 809	3 270 196	598 613	X
334112	Computer storage device manufacturing	15 698	1 282 858	1 022 149	260 709	2
	2004..	15 190	1 133 355	910 111	223 243	2
	2003..	19 981	1 640 639	1 319 603	321 035	1
	2002..	26 396	1 932 838	1 593 139	339 699	X
334113	Computer terminal manufacturing	1 280	74 504	63 715	10 789	6
	2004..	1 403	77 921	66 694	11 227	3
	2003..	2 017	111 578	93 904	17 674	1
	2002..	2 109	100 286	84 420	15 866	X
334119	Other computer peripheral equipment manufacturing	44 802	3 505 245	2 865 616	639 629	3
	2004..	46 801	3 561 908	2 946 543	615 366	3
	2003..	54 651	3 798 173	3 144 168	654 005	2
	2002..	60 341	4 013 529	3 334 334	679 195	X
3342	Communications equipment manufacturing	127 952	9 989 761	8 040 902	1 948 859	2
	2004..	147 302	11 065 559	8 880 864	2 184 695	2
	2003..	161 530	11 564 893	9 266 255	2 298 638	2
	2002..	191 063	12 790 822	10 323 220	2 467 602	X
33421	Telephone apparatus manufacturing	34 157	2 466 598	2 068 042	398 556	7
	2004..	37 991	2 598 841	2 179 580	419 262	6
	2003..	45 849	3 566 873	2 945 820	621 053	3
	2002..	64 576	4 525 333	3 751 127	774 206	X
334210	Telephone apparatus manufacturing	34 157	2 466 598	2 068 042	398 556	7
	2004..	37 991	2 598 841	2 179 580	419 262	6
	2003..	45 849	3 566 873	2 945 820	621 053	3
	2002..	64 576	4 525 333	3 751 127	774 206	X
33422	Radio and television broadcasting and wireless communications equipment manufacturing	77 042	6 471 302	5 119 974	1 351 328	2
	2004..	91 786	7 440 507	5 864 737	1 575 770	2
	2003..	93 568	6 770 358	5 325 884	1 444 474	3
	2002..	100 996	6 834 648	5 427 646	1 407 002	X
334220	Radio and television broadcasting and wireless communications equipment manufacturing	77 042	6 471 302	5 119 974	1 351 328	2
	2004..	91 786	7 440 507	5 864 737	1 575 770	2
	2003..	93 568	6 770 358	5 325 884	1 444 474	3
	2002..	100 996	6 834 648	5 427 646	1 407 002	X
33429	Other communications equipment manufacturing	16 753	1 051 861	852 886	198 975	3
	2004..	17 526	1 026 211	836 547	189 663	2
	2003..	22 113	1 227 663	994 551	233 112	1
	2002..	25 491	1 430 841	1 144 447	286 394	X
334290	Other communications equipment manufacturing	16 753	1 051 861	852 886	198 975	3
	2004..	17 526	1 026 211	836 547	189 663	2
	2003..	22 113	1 227 663	994 551	233 112	1
	2002..	25 491	1 430 841	1 144 447	286 394	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column— D
			Total	Payroll	Total fringe benefits	
			A	B	C	
334	Computer and electronic product manufacturing—Con.					
3343	Audio and video equipment manufacturing	2005.. 19 211	1 040 650	833 552	207 098	3
		2004.. 20 304	1 025 738	827 831	197 907	3
		2003.. 23 798	1 153 205	936 985	216 220	1
		2002.. 25 205	1 175 963	955 952	220 011	X
33431	Audio and video equipment manufacturing	2005.. 19 211	1 040 650	833 552	207 098	3
		2004.. 20 304	1 025 738	827 831	197 907	3
		2003.. 23 798	1 153 205	936 985	216 220	1
		2002.. 25 205	1 175 963	955 952	220 011	X
334310	Audio and video equipment manufacturing	2005.. 19 211	1 040 650	833 552	207 098	3
		2004.. 20 304	1 025 738	827 831	197 907	3
		2003.. 23 798	1 153 205	936 985	216 220	1
		2002.. 25 205	1 175 963	955 952	220 011	X
3344	Semiconductor and other electronic component manufacturing	2005.. 348 153	22 566 090	18 301 895	4 264 195	1
		2004.. 357 493	21 928 437	17 863 561	4 064 876	1
		2003.. 387 313	22 794 587	18 498 353	4 296 233	1
		2002.. 438 080	24 438 766	19 891 043	4 547 723	X
33441	Semiconductor and other electronic component manufacturing	2005.. 348 153	22 566 090	18 301 895	4 264 195	1
		2004.. 357 493	21 928 437	17 863 561	4 064 876	1
		2003.. 387 313	22 794 587	18 498 353	4 296 233	1
		2002.. 438 080	24 438 766	19 891 043	4 547 723	X
334411	Electron tube manufacturing	2005.. 5 158	311 355	241 880	69 476	5
		2004.. 6 381	372 591	288 296	84 295	4
		2003.. 9 155	509 153	381 211	127 941	1
		2002.. 11 332	638 686	479 824	158 862	X
334412	Bare printed circuit board manufacturing	2005.. 33 522	1 577 978	1 309 938	268 040	2
		2004.. 37 990	1 736 815	1 442 019	294 796	2
		2003.. 40 198	1 732 812	1 442 151	290 660	3
		2002.. 46 937	2 012 448	1 657 816	354 632	X
334413	Semiconductor and related device manufacturing	2005.. 133 072	11 311 921	9 132 807	2 179 113	2
		2004.. 135 304	10 739 644	8 713 924	2 025 720	2
		2003.. 149 810	11 290 872	9 094 480	2 196 392	1
		2002.. 169 520	12 077 785	9 811 316	2 266 469	X
334414	Electronic capacitor manufacturing	2005.. 7 778	384 993	303 529	81 463	3
		2004.. 8 124	366 312	283 603	82 709	4
		2003.. 9 016	408 780	322 991	85 789	4
		2002.. 10 937	483 961	383 510	100 451	X
334415	Electronic resistor manufacturing	2005.. 5 451	234 459	186 401	48 057	5
		2004.. 5 389	239 457	189 390	50 067	3
		2003.. 5 654	233 702	186 338	47 365	2
		2002.. 5 435	213 302	172 240	41 062	X
334416	Electronic coil, transformer, and other inductor manufacturing	2005.. 9 463	382 791	318 438	64 353	4
		2004.. 10 422	395 890	330 341	65 548	3
		2003.. 11 196	417 421	344 276	73 145	3
		2002.. 11 265	395 332	329 666	65 666	X
334417	Electronic connector manufacturing	2005.. 22 492	1 160 543	925 770	234 773	3
		2004.. 22 021	1 127 996	900 674	227 322	3
		2003.. 22 881	1 104 515	889 859	214 656	1
		2002.. 24 480	1 126 598	915 948	210 650	X
334418	Printed circuit assembly (electronic assembly) manufacturing	2005.. 72 950	4 156 706	3 382 242	774 465	4
		2004.. 72 819	3 989 386	3 287 898	701 488	4
		2003.. 77 616	4 116 317	3 391 532	724 785	2
		2002.. 88 341	4 294 347	3 522 350	771 997	X
334419	Other electronic component manufacturing	2005.. 58 267	3 045 345	2 500 889	544 456	2
		2004.. 59 042	2 960 346	2 427 416	532 930	2
		2003.. 61 789	2 981 016	2 445 516	535 500	1
		2002.. 69 833	3 196 307	2 618 373	577 934	X
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2005.. 375 338	31 348 898	24 958 454	6 390 444	2
		2004.. 389 909	31 765 467	25 090 444	6 675 023	2
		2003.. 392 361	30 180 214	23 923 318	6 256 896	1
		2002.. 415 603	29 520 900	23 533 540	5 987 360	X
33451	Navigational, measuring, medical, and control instruments manufacturing	2005.. 375 338	31 348 898	24 958 454	6 390 444	2
		2004.. 389 909	31 765 467	25 090 444	6 675 023	2
		2003.. 392 361	30 180 214	23 923 318	6 256 896	1
		2002.. 415 603	29 520 900	23 533 540	5 987 360	X
334510	Electromedical and electrotherapeutic apparatus manufacturing	2005.. 51 580	4 445 430	3 657 049	788 381	3
		2004.. 51 850	3 980 374	3 241 425	738 950	2
		2003.. 54 301	3 881 105	3 170 477	710 628	1
		2002.. 58 094	3 754 603	3 075 455	679 148	X
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2005.. 137 291	12 558 947	9 706 904	2 852 043	4
		2004.. 148 906	13 956 944	10 621 909	3 335 035	5
		2003.. 144 218	12 997 750	9 910 978	3 086 772	1
		2002.. 142 798	11 802 896	9 141 739	2 661 157	X
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	2005.. 14 026	764 603	585 963	178 640	3
		2004.. 13 865	698 055	533 162	164 893	2
		2003.. 15 971	757 279	583 936	173 343	2
		2002.. 17 401	810 148	636 173	173 975	X

See footnotes at end of table.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column— D
			Total	Payroll	Total fringe benefits	
			A	B	C	
334	Computer and electronic product manufacturing—Con.					
3345	Navigational, measuring, electromedical, and control instruments manufacturing—Con.					
33451	Navigational, measuring, medical, and control instruments manufacturing—Con.					
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables.....	2005.. 37 251	2 530 608	2 062 808	467 800	1
		2004.. 36 628	2 337 614	1 901 476	436 139	1
		2003.. 37 402	2 311 126	1 865 880	445 246	1
		2002.. 39 906	2 313 776	1 891 352	422 424	X
334514	Totalizing fluid meter and counting device manufacturing	2005.. 15 302	970 227	728 416	241 811	1
		2004.. 16 302	985 132	745 115	240 017	2
		2003.. 15 200	905 443	667 871	237 572	1
		2002.. 16 398	945 743	725 718	220 025	X
334515	Instrument manufacturing for measuring and testing electricity and electrical signals.....	2005.. 43 300	3 828 499	3 154 433	674 065	2
		2004.. 46 484	3 854 403	3 203 392	651 011	2
		2003.. 46 737	3 727 038	3 136 749	590 288	1
		2002.. 56 182	4 246 016	3 417 804	828 212	X
334516	Analytical laboratory instrument manufacturing	2005.. 28 553	2 402 883	1 957 738	445 144	2
		2004.. 29 660	2 452 582	2 015 139	437 443	2
		2003.. 32 252	2 407 205	1 980 029	427 177	2
		2002.. 33 982	2 453 805	1 996 700	457 105	X
334517	Irradiation apparatus manufacturing	2005.. 16 022	1 563 332	1 261 129	302 203	1
		2004.. 13 641	1 319 727	1 071 494	248 233	1
		2003.. 12 693	1 082 416	900 081	182 335	1
		2002.. 13 454	980 532	830 198	150 334	X
334518	Watch, clock, and parts manufacturing	2005.. 2 330	118 662	97 642	21 020	5
		2004.. 2 541	120 591	98 146	22 444	3
		2003.. 2 618	114 539	93 288	21 251	6
		2002.. 3 398	146 101	116 803	29 298	X
334519	Other measuring and controlling device manufacturing	2005.. 29 683	2 165 707	1 746 370	419 337	4
		2004.. 30 031	2 060 045	1 659 186	400 859	4
		2003.. 30 970	1 996 314	1 614 029	382 284	3
		2002.. 33 990	2 067 280	1 701 598	365 682	X
3346	Manufacturing and reproducing magnetic and optical media	2005.. 32 039	1 779 066	1 398 421	380 645	2
		2004.. 34 257	1 962 446	1 565 555	396 891	1
		2003.. 36 537	1 738 749	1 414 331	324 418	2
		2002.. 37 904	1 684 288	1 366 953	317 335	X
33461	Manufacturing and reproducing magnetic and optical media	2005.. 32 039	1 779 066	1 398 421	380 645	2
		2004.. 34 257	1 962 446	1 565 555	396 891	1
		2003.. 36 537	1 738 749	1 414 331	324 418	2
		2002.. 37 904	1 684 288	1 366 953	317 335	X
334611	Software reproducing	2005.. 2 521	141 068	116 983	24 085	3
		2004.. 2 618	138 978	117 385	21 593	4
		2003.. 2 822	132 739	109 930	22 809	20
		2002.. 2 783	141 972	120 613	21 359	X
334612	Prerecorded compact disc (except software), tape, and record reproducing	2005.. 22 634	1 035 502	810 157	225 345	2
		2004.. 23 289	1 077 722	855 803	221 919	2
		2003.. 26 616	1 114 680	909 084	205 596	2
		2002.. 28 447	1 167 236	952 295	214 941	X
334613	Magnetic and optical recording media manufacturing	2005.. 6 884	602 497	471 282	131 215	1
		2004.. 8 351	745 746	592 367	153 379	1
		2003.. 7 099	491 330	395 317	96 013	4
		2002.. 6 674	375 080	294 045	81 035	X
335	Electrical equipment, appliance, and component manufacturing	2005.. 420 644	22 901 063	17 522 837	5 378 226	1
		2004.. 436 260	22 601 221	17 319 724	5 281 497	1
		2003.. 446 276	22 066 280	16 991 110	5 075 169	1
		2002.. 490 050	23 078 990	17 990 490	5 088 500	X
3351	Electric lighting equipment manufacturing	2005.. 57 212	2 921 906	2 322 152	599 754	2
		2004.. 59 030	2 828 535	2 261 235	567 300	2
		2003.. 59 075	2 662 380	2 117 455	544 925	1
		2002.. 66 049	2 787 854	2 252 498	535 356	X
33511	Electric lamp bulb and parts manufacturing	2005.. 9 289	677 648	495 057	182 591	2
		2004.. 9 867	686 690	512 514	174 177	2
		2003.. 10 790	648 508	481 524	166 984	2
		2002.. 11 552	646 219	489 781	156 438	X
335110	Electric lamp bulb and parts manufacturing	2005.. 9 289	677 648	495 057	182 591	2
		2004.. 9 867	686 690	512 514	174 177	2
		2003.. 10 790	648 508	481 524	166 984	2
		2002.. 11 552	646 219	489 781	156 438	X
33512	Lighting fixture manufacturing	2005.. 47 923	2 244 258	1 827 096	417 162	2
		2004.. 49 163	2 141 845	1 748 721	393 124	2
		2003.. 48 285	2 013 872	1 635 932	377 940	2
		2002.. 54 497	2 141 635	1 762 717	378 918	X
33512M	Lighting fixture manufacturing	2005.. 47 923	2 244 258	1 827 096	417 162	2
		2004.. 49 163	2 141 845	1 748 721	393 124	2
		2003.. 48 285	2 013 872	1 635 932	377 940	2
		2002.. 54 497	2 141 635	1 762 717	378 918	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
335	Electrical equipment, appliance, and component manufacturing—Con.					
3352	Household appliance manufacturing	2005.. 76 911	3 893 491	2 699 197	1 194 294	1
		2004.. 83 746	4 110 796	2 893 831	1 216 965	1
		2003.. 85 345	4 016 279	2 885 135	1 131 144	1
		2002.. 88 794	4 068 257	2 993 447	1 074 810	X
33521	Small electrical appliance manufacturing	2005.. 13 376	645 556	466 902	178 654	1
		2004.. 15 533	723 878	531 383	192 495	1
		2003.. 16 752	741 026	556 821	184 205	1
		2002.. 18 781	820 279	606 186	214 093	X
33521M	Small electrical appliance manufacturing	2005.. 13 376	645 556	466 902	178 654	1
		2004.. 15 533	723 878	531 383	192 495	1
		2003.. 16 752	741 026	556 821	184 205	1
		2002.. 18 781	820 279	606 186	214 093	X
33522	Major appliance manufacturing	2005.. 63 535	3 247 935	2 232 295	1 015 640	1
		2004.. 68 213	3 386 918	2 362 448	1 024 470	1
		2003.. 68 593	3 275 253	2 328 314	946 939	1
		2002.. 70 013	3 247 978	2 387 261	860 717	X
335221	Household cooking appliance manufacturing	2005.. 16 409	681 328	518 033	163 295	2
		2004.. 17 021	695 739	515 637	180 101	1
		2003.. 17 275	666 269	491 283	174 986	1
		2002.. 17 977	655 392	498 003	157 389	X
335222	Household refrigerator and home freezer manufacturing	2005.. 20 367	1 074 935	714 949	359 986	1
		2004.. 23 380	1 187 638	813 625	374 013	1
		2003.. 22 989	1 164 216	797 316	366 900	1
		2002.. 23 487	1 147 756	814 868	332 888	X
335224	Household laundry equipment manufacturing	2005.. 14 468	802 767	517 115	285 652	1
		2004.. 15 140	827 682	552 929	274 753	1
		2003.. 15 510	807 907	572 109	235 798	1
		2002.. 15 878	830 380	617 313	213 067	X
335228	Other major household appliance manufacturing	2005.. 12 291	688 905	482 199	206 706	1
		2004.. 12 672	675 859	480 257	195 602	1
		2003.. 12 819	636 861	467 606	169 255	4
		2002.. 12 671	614 450	457 077	157 373	X
3353	Electrical equipment manufacturing	2005.. 142 518	7 925 935	6 179 321	1 746 614	1
		2004.. 143 815	7 536 853	5 873 748	1 663 105	1
		2003.. 147 217	7 444 083	5 809 978	1 634 104	1
		2002.. 161 894	7 850 426	6 182 330	1 668 096	X
33531	Electrical equipment manufacturing	2005.. 142 518	7 925 935	6 179 321	1 746 614	1
		2004.. 143 815	7 536 853	5 873 748	1 663 105	1
		2003.. 147 217	7 444 083	5 809 978	1 634 104	1
		2002.. 161 894	7 850 426	6 182 330	1 668 096	X
335311	Power, distribution, and specialty transformer manufacturing	2005.. 19 427	990 511	779 246	211 264	3
		2004.. 18 692	938 661	720 767	217 894	2
		2003.. 20 546	967 175	755 635	211 540	1
		2002.. 21 658	1 033 895	813 972	219 923	X
335312	Motor and generator manufacturing	2005.. 47 580	2 363 502	1 831 619	531 882	2
		2004.. 48 143	2 261 335	1 755 630	505 705	2
		2003.. 49 409	2 238 278	1 739 725	498 553	1
		2002.. 54 906	2 347 406	1 840 379	507 027	X
335313	Switchgear and switchboard apparatus manufacturing	2005.. 32 684	1 988 401	1 493 092	495 309	3
		2004.. 34 018	1 945 919	1 485 208	460 712	2
		2003.. 34 877	1 947 682	1 474 734	472 948	1
		2002.. 38 202	1 974 474	1 518 716	455 758	X
335314	Relay and industrial control manufacturing	2005.. 42 826	2 583 522	2 075 363	508 158	2
		2004.. 42 962	2 390 937	1 912 143	478 794	2
		2003.. 42 386	2 290 947	1 839 885	451 063	2
		2002.. 47 128	2 494 651	2 009 263	485 388	X
3359	Other electrical equipment and component manufacturing	2005.. 144 003	8 159 731	6 322 166	1 837 565	1
		2004.. 149 670	8 125 036	6 290 910	1 834 126	1
		2003.. 154 638	7 943 538	6 178 541	1 764 997	1
		2002.. 173 313	8 372 453	6 562 215	1 810 238	X
33591	Battery manufacturing	2005.. 25 081	1 444 664	1 077 676	366 988	3
		2004.. 25 330	1 393 436	1 035 903	357 533	1
		2003.. 25 252	1 324 621	979 769	344 851	1
		2002.. 26 310	1 309 920	979 629	330 291	X
335911	Storage battery manufacturing	2005.. 16 696	940 180	699 578	240 602	5
		2004.. 17 465	943 406	697 693	245 713	1
		2003.. 16 625	873 119	649 643	223 475	1
		2002.. 17 781	889 937	667 059	222 878	X
335912	Primary battery manufacturing	2005.. 8 385	504 484	378 098	126 386	2
		2004.. 7 865	450 030	338 210	111 820	3
		2003.. 8 627	451 502	330 126	121 376	1
		2002.. 8 529	419 983	312 570	107 413	X
33592	Communication and energy wire and cable manufacturing	2005.. 33 883	1 915 474	1 448 107	467 367	1
		2004.. 35 102	1 888 528	1 434 993	453 536	1
		2003.. 38 430	1 971 065	1 516 171	454 893	3
		2002.. 45 956	2 213 654	1 705 293	508 361	X
33592M	Communication and energy wire and cable manufacturing	2005.. 33 883	1 915 474	1 448 107	467 367	1
		2004.. 35 102	1 888 528	1 434 993	453 536	1
		2003.. 38 430	1 971 065	1 516 171	454 893	3
		2002.. 45 956	2 213 654	1 705 293	508 361	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
335	Electrical equipment, appliance, and component manufacturing—Con.					
3359	Other electrical equipment and component manufacturing—Con.					
33593	Wiring device manufacturing	2005.. 45 222	2 413 022	1 883 810	529 213	1
		2004.. 46 626	2 385 288	1 857 345	527 943	1
		2003.. 47 882	2 313 104	1 816 211	496 893	1
		2002.. 51 712	2 426 977	1 909 349	517 628	X
33593M	Wiring device manufacturing	2005.. 45 222	2 413 022	1 883 810	529 213	1
		2004.. 46 626	2 385 288	1 857 345	527 943	1
		2003.. 47 882	2 313 104	1 816 211	496 893	1
		2002.. 51 712	2 426 977	1 909 349	517 628	X
33599	All other electrical equipment and component manufacturing	2005.. 39 817	2 386 571	1 912 574	473 997	1
		2004.. 42 613	2 457 784	1 962 670	495 114	1
		2003.. 43 074	2 334 748	1 866 389	468 359	3
		2002.. 49 335	2 421 902	1 967 944	453 958	X
335991	Carbon and graphite product manufacturing	2005.. 7 584	468 066	345 273	122 794	2
		2004.. 7 483	452 225	338 813	113 412	1
		2003.. 7 957	438 440	333 565	104 875	1
		2002.. 8 583	448 247	346 498	101 749	X
335999	All other miscellaneous electrical equipment and component manufacturing	2005.. 32 233	1 918 505	1 567 301	351 204	2
		2004.. 35 130	2 005 559	1 623 857	381 702	1
		2003.. 35 117	1 896 308	1 532 824	363 484	4
		2002.. 40 752	1 973 655	1 621 446	352 209	X
336	Transportation equipment manufacturing	2005.. 1 554 763	113 546 416	83 946 844	29 599 572	1
		2004.. 1 580 898	113 823 820	84 297 386	29 526 434	1
		2003.. 1 598 174	110 883 150	82 317 194	28 565 956	1
		2002.. 1 665 166	109 035 250	81 856 092	27 179 158	X
3361	Motor vehicle manufacturing	2005.. 202 157	20 411 404	14 099 707	6 311 697	1
		2004.. 215 852	20 905 371	14 938 143	5 967 227	1
		2003.. 210 387	19 845 761	14 308 405	5 537 356	1
		2002.. 219 243	19 351 654	13 921 192	5 430 462	X
33611	Automobile and light duty motor vehicle manufacturing	2005.. 169 139	18 294 292	12 654 030	5 640 262	1
		2004.. 187 016	19 007 667	13 631 687	5 375 980	1
		2003.. 184 783	18 249 298	13 218 858	5 030 440	1
		2002.. 190 087	17 606 422	12 724 485	4 881 937	X
336111	Automobile manufacturing	2005.. 69 571	7 408 273	5 221 652	2 186 621	1
		2004.. 74 408	7 448 529	5 307 586	2 140 943	1
		2003.. 76 116	7 281 048	5 226 846	2 054 202	1
		2002.. 80 602	7 183 510	5 128 296	2 055 214	X
336112	Light truck and utility vehicle manufacturing	2005.. 99 568	10 886 019	7 432 378	3 453 641	1
		2004.. 112 608	11 559 138	8 324 101	3 235 037	1
		2003.. 108 667	10 968 250	7 992 012	2 976 238	1
		2002.. 109 485	10 422 912	7 596 189	2 826 723	X
33612	Heavy duty truck manufacturing	2005.. 33 018	2 117 112	1 445 677	671 435	1
		2004.. 28 836	1 897 704	1 306 456	591 247	1
		2003.. 25 604	1 596 464	1 089 548	506 916	1
		2002.. 29 156	1 745 232	1 196 707	548 525	X
336120	Heavy duty truck manufacturing	2005.. 33 018	2 117 112	1 445 677	671 435	1
		2004.. 28 836	1 897 704	1 306 456	591 247	1
		2003.. 25 604	1 596 464	1 089 548	506 916	1
		2002.. 29 156	1 745 232	1 196 707	548 525	X
3362	Motor vehicle body and trailer manufacturing	2005.. 149 222	6 360 006	5 271 579	1 088 427	2
		2004.. 141 534	5 985 958	4 976 018	1 009 940	1
		2003.. 128 184	5 291 716	4 348 681	943 035	1
		2002.. 127 371	5 081 891	4 204 283	877 608	X
33621	Motor vehicle body and trailer manufacturing	2005.. 149 222	6 360 006	5 271 579	1 088 427	2
		2004.. 141 534	5 985 958	4 976 018	1 009 940	1
		2003.. 128 184	5 291 716	4 348 681	943 035	1
		2002.. 127 371	5 081 891	4 204 283	877 608	X
336211	Motor vehicle body manufacturing	2005.. 48 342	2 202 491	1 805 562	396 929	4
		2004.. 43 779	2 001 036	1 631 984	369 052	3
		2003.. 40 874	1 809 752	1 457 099	352 652	1
		2002.. 41 450	1 779 045	1 429 790	349 255	X
336212	Truck trailer manufacturing	2005.. 29 965	1 269 783	1 012 295	257 488	2
		2004.. 27 337	1 094 561	883 328	211 233	1
		2003.. 24 191	978 579	784 989	193 591	2
		2002.. 23 732	891 432	728 490	162 942	X
336213	Motor home manufacturing	2005.. 21 924	937 883	773 759	164 123	3
		2004.. 22 223	981 916	820 185	161 731	3
		2003.. 21 707	914 947	756 232	158 715	1
		2002.. 20 708	861 241	724 446	136 795	X
336214	Travel trailer and camper manufacturing	2005.. 48 991	1 949 850	1 679 964	269 886	2
		2004.. 48 196	1 908 445	1 640 520	267 925	1
		2003.. 41 412	1 588 437	1 350 360	238 077	2
		2002.. 41 481	1 550 173	1 321 557	228 616	X
3363	Motor vehicle parts manufacturing	2005.. 613 218	41 758 435	30 033 205	11 725 231	1
		2004.. 644 848	43 516 144	31 560 128	11 956 016	1
		2003.. 671 990	43 478 022	31 732 503	11 745 519	1
		2002.. 721 655	43 340 005	32 132 614	11 207 391	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
336	Transportation equipment manufacturing—Con.					
3363	Motor vehicle parts manufacturing—Con.					
33631	Motor vehicle gasoline engine and engine parts manufacturing	2005.. 74 159	5 866 921	4 272 867	1 594 055	2
		2004.. 81 341	6 145 088	4 511 955	1 633 133	2
		2003.. 87 729	6 496 539	4 770 707	1 725 832	1
		2002.. 94 092	6 448 644	4 773 138	1 675 506	X
33631M	Motor vehicle gasoline engine and engine parts manufacturing	2005.. 74 159	5 866 921	4 272 867	1 594 055	2
		2004.. 81 341	6 145 088	4 511 955	1 633 133	2
		2003.. 87 729	6 496 539	4 770 707	1 725 832	1
		2002.. 94 092	6 448 644	4 773 138	1 675 506	X
33632	Motor vehicle electrical and electronic equipment manufacturing	2005.. 81 104	5 050 951	3 577 623	1 473 328	1
		2004.. 77 532	4 786 071	3 383 706	1 402 365	1
		2003.. 90 843	5 386 180	3 878 144	1 508 036	1
		2002.. 97 111	5 470 477	4 031 391	1 439 086	X
33632M	Motor vehicle electrical and electronic equipment manufacturing	2005.. 81 104	5 050 951	3 577 623	1 473 328	1
		2004.. 77 532	4 786 071	3 383 706	1 402 365	1
		2003.. 90 843	5 386 180	3 878 144	1 508 036	1
		2002.. 97 111	5 470 477	4 031 391	1 439 086	X
33633	Motor vehicle steering and suspension component (except spring) manufacturing	2005.. 37 576	2 739 751	1 865 632	874 119	3
		2004.. 38 223	2 697 987	1 851 878	846 109	2
		2003.. 39 696	2 839 280	1 917 837	921 444	2
		2002.. 41 783	2 823 620	2 045 377	778 243	X
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2005.. 37 576	2 739 751	1 865 632	874 119	3
		2004.. 38 223	2 697 987	1 851 878	846 109	2
		2003.. 39 696	2 839 280	1 917 837	921 444	2
		2002.. 41 783	2 823 620	2 045 377	778 243	X
33634	Motor vehicle brake system manufacturing	2005.. 38 185	2 147 315	1 558 836	588 478	2
		2004.. 39 738	2 193 347	1 587 863	605 484	2
		2003.. 41 097	2 181 816	1 599 864	581 951	1
		2002.. 42 356	2 235 418	1 660 877	574 541	X
336340	Motor vehicle brake system manufacturing	2005.. 38 185	2 147 315	1 558 836	588 478	2
		2004.. 39 738	2 193 347	1 587 863	605 484	2
		2003.. 41 097	2 181 816	1 599 864	581 951	1
		2002.. 42 356	2 235 418	1 660 877	574 541	X
33635	Motor vehicle transmission and power train parts manufacturing	2005.. 80 070	7 241 331	5 104 784	2 136 547	2
		2004.. 91 232	8 353 965	5 997 559	2 356 406	1
		2003.. 90 998	7 578 417	5 490 247	2 088 170	2
		2002.. 101 828	7 773 935	5 697 192	2 076 743	X
336350	Motor vehicle transmission and power train parts manufacturing	2005.. 80 070	7 241 331	5 104 784	2 136 547	2
		2004.. 91 232	8 353 965	5 997 559	2 356 406	1
		2003.. 90 998	7 578 417	5 490 247	2 088 170	2
		2002.. 101 828	7 773 935	5 697 192	2 076 743	X
33636	Motor vehicle seating and interior trim manufacturing	2005.. 47 258	2 710 302	1 992 685	717 616	1
		2004.. 50 029	2 783 673	2 041 148	742 525	1
		2003.. 53 120	2 830 468	2 093 319	737 149	1
		2002.. 53 957	2 675 234	2 004 174	671 060	X
336360	Motor vehicle seating and interior trim manufacturing	2005.. 47 258	2 710 302	1 992 685	717 616	1
		2004.. 50 029	2 783 673	2 041 148	742 525	1
		2003.. 53 120	2 830 468	2 093 319	737 149	1
		2002.. 53 957	2 675 234	2 004 174	671 060	X
33637	Motor vehicle metal stamping	2005.. 99 345	7 464 580	5 459 408	2 005 172	1
		2004.. 107 372	7 968 205	5 926 449	2 041 756	1
		2003.. 109 023	7 840 607	5 902 329	1 938 277	2
		2002.. 126 137	7 622 317	5 807 093	1 815 224	X
336370	Motor vehicle metal stamping	2005.. 99 345	7 464 580	5 459 408	2 005 172	1
		2004.. 107 372	7 968 205	5 926 449	2 041 756	1
		2003.. 109 023	7 840 607	5 902 329	1 938 277	2
		2002.. 126 137	7 622 317	5 807 093	1 815 224	X
33639	Other motor vehicle parts manufacturing	2005.. 155 523	8 537 285	6 201 370	2 335 916	1
		2004.. 159 379	8 587 809	6 259 571	2 328 238	1
		2003.. 159 484	8 324 716	6 080 056	2 244 660	1
		2002.. 164 391	8 290 360	6 113 372	2 176 988	X
336391	Motor vehicle air-conditioning manufacturing	2005.. 17 040	1 231 999	824 269	407 730	1
		2004.. 19 423	1 433 676	954 452	479 223	1
		2003.. 19 229	1 407 774	947 419	460 354	1
		2002.. 18 870	1 398 945	932 344	466 601	X
336399	All other miscellaneous motor vehicle parts manufacturing	2005.. 138 482	7 305 286	5 377 100	1 928 185	2
		2004.. 139 957	7 154 133	5 305 118	1 849 015	1
		2003.. 140 255	6 916 943	5 132 637	1 784 306	1
		2002.. 145 521	6 891 415	5 181 028	1 710 387	X
3364	Aerospace product and parts manufacturing	2005.. 382 660	33 851 540	25 989 365	7 862 175	1
		2004.. 373 105	32 626 207	24 549 633	8 076 573	1
		2003.. 388 630	31 877 724	23 955 264	7 922 459	1
		2002.. 394 659	31 149 648	23 772 881	7 376 767	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
336	Transportation equipment manufacturing—Con.					
3364	Aerospace product and parts manufacturing—Con.					
33641	Aerospace product and parts manufacturing	2005.. 382 660	33 851 540	25 989 365	7 862 175	1
		2004.. 373 105	32 626 207	24 549 633	8 076 573	1
		2003.. 388 630	31 877 724	23 955 264	7 922 459	1
		2002.. 394 659	31 149 648	23 772 881	7 376 767	X
336411	Aircraft manufacturing	2005.. 157 498	14 223 630	10 919 009	3 304 621	2
		2004.. 156 128	10 434 067	3 287 931	3 287 931	1
		2003.. 162 807	13 138 144	10 059 873	3 078 271	1
		2002.. 164 963	13 206 297	10 076 017	3 130 280	X
336412	Aircraft engine and engine parts manufacturing	2005.. 67 242	5 543 712	4 250 013	1 293 699	1
		2004.. 66 470	5 362 515	4 079 572	1 282 942	1
		2003.. 64 981	5 197 084	3 926 635	1 270 449	1
		2002.. 71 834	5 398 147	4 117 520	1 280 627	X
336413	Other aircraft parts and auxiliary equipment manufacturing	2005.. 89 813	6 898 524	5 245 719	1 652 806	1
		2004.. 88 028	7 119 337	5 254 445	1 864 892	1
		2003.. 95 247	7 206 177	5 271 245	1 934 933	1
		2002.. 98 462	7 065 708	5 339 477	1 726 231	X
336414	Guided missile and space vehicle manufacturing	2005.. 42 678	4 754 613	3 629 541	1 125 072	1
		2004.. 42 262	4 574 671	3 358 554	1 216 117	1
		2003.. 46 005	4 683 562	3 409 271	1 274 291	1
		2002.. 38 661	3 783 090	2 935 471	847 619	X
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2005.. 11 726	1 077 363	894 065	183 298	1
		2004.. 13 879	1 352 878	1 053 681	299 196	1
		2003.. 13 843	1 255 974	979 602	276 372	1
		2002.. 14 512	1 280 651	983 405	297 246	X
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2005.. 13 703	1 353 698	1 051 019	302 679	1
		2004.. 6 338	494 808	369 313	125 495	1
		2003.. 5 747	396 783	308 639	88 144	1
		2002.. 6 227	415 755	320 991	94 764	X
3365	Railroad rolling stock manufacturing	2005.. 25 853	1 577 512	1 181 002	396 510	1
		2004.. 24 489	1 524 488	1 149 900	374 588	1
		2003.. 24 486	1 521 827	1 154 794	367 033	1
		2002.. 25 497	1 579 447	1 203 148	376 299	X
33651	Railroad rolling stock manufacturing	2005.. 25 853	1 577 512	1 181 002	396 510	1
		2004.. 24 489	1 524 488	1 149 900	374 588	1
		2003.. 24 486	1 521 827	1 154 794	367 033	1
		2002.. 25 497	1 579 447	1 203 148	376 299	X
336510	Railroad rolling stock manufacturing	2005.. 25 853	1 577 512	1 181 002	396 510	1
		2004.. 24 489	1 524 488	1 149 900	374 588	1
		2003.. 24 486	1 521 827	1 154 794	367 033	1
		2002.. 25 497	1 579 447	1 203 148	376 299	X
3366	Ship and boat building	2005.. 140 627	7 273 823	5 617 447	1 656 376	1
		2004.. 144 163	7 253 165	5 605 272	1 647 892	1
		2003.. 135 069	6 758 186	5 222 523	1 535 663	1
		2002.. 136 974	6 531 992	5 082 781	1 449 211	X
33661	Ship and boat building	2005.. 140 627	7 273 823	5 617 447	1 656 376	1
		2004.. 144 163	7 253 165	5 605 272	1 647 892	1
		2003.. 135 069	6 758 186	5 222 523	1 535 663	1
		2002.. 136 974	6 531 992	5 082 781	1 449 211	X
336611	Ship building and repairing	2005.. 84 329	5 021 609	3 785 684	1 235 924	1
		2004.. 88 541	5 082 771	3 846 464	1 236 307	1
		2003.. 86 217	4 865 889	3 694 328	1 171 561	1
		2002.. 87 214	4 729 402	3 613 626	1 115 776	X
336612	Boat building	2005.. 56 298	2 252 215	1 831 763	420 452	1
		2004.. 55 622	2 170 393	1 758 808	411 585	1
		2003.. 48 852	1 892 297	1 528 196	364 101	2
		2002.. 49 760	1 802 590	1 469 155	333 435	X
3369	Other transportation equipment manufacturing	2005.. 41 025	2 313 696	1 754 540	559 156	2
		2004.. 36 907	2 012 488	1 518 291	494 198	1
		2003.. 39 429	2 109 915	1 595 024	514 891	2
		2002.. 39 767	2 000 613	1 539 193	461 420	X
33699	Other transportation equipment manufacturing	2005.. 41 025	2 313 696	1 754 540	559 156	2
		2004.. 36 907	2 012 488	1 518 291	494 198	1
		2003.. 39 429	2 109 915	1 595 024	514 891	2
		2002.. 39 767	2 000 613	1 539 193	461 420	X
336991	Motorcycle, bicycle, and parts manufacturing	2005.. 14 164	878 318	632 343	245 975	3
		2004.. 13 159	801 306	578 489	222 817	2
		2003.. 15 443	921 163	666 928	254 235	3
		2002.. 15 348	871 715	641 936	229 779	X
336992	Military armored vehicle, tank, and tank component manufacturing	2005.. 7 087	483 990	385 973	98 017	4
		2004.. 4 566	346 464	276 444	70 020	1
		2003.. 4 177	317 600	247 699	69 901	1
		2002.. 4 521	307 288	245 167	62 121	X
336999	All other transportation equipment manufacturing	2005.. 19 774	951 388	736 224	215 164	1
		2004.. 19 182	864 718	663 357	201 360	2
		2003.. 19 808	871 152	680 397	190 754	4
		2002.. 19 898	821 610	652 090	169 520	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
337	Furniture and related product manufacturing	2005.. 535 839	21 386 236	17 491 057	3 895 179	1
		2004.. 550 608	20 984 870	17 166 082	3 818 788	1
		2003.. 557 538	20 664 105	16 849 848	3 814 257	1
		2002.. 596 306	21 182 650	17 426 953	3 755 697	X
3371	Household and institutional furniture and kitchen cabinet manufacturing	2005.. 354 613	12 945 525	10 694 394	2 251 132	1
		2004.. 362 285	12 737 981	10 501 954	2 236 027	1
		2003.. 358 412	12 281 186	10 088 327	2 192 859	1
		2002.. 387 103	12 663 948	10 504 523	2 159 425	X
33711	Wood kitchen cabinet and counter top manufacturing	2005.. 139 433	5 300 600	4 449 554	851 046	1
		2004.. 136 548	5 063 897	4 203 787	860 111	1
		2003.. 128 103	4 535 632	3 777 417	758 215	1
		2002.. 126 384	4 320 287	3 625 414	694 873	X
337110	Wood kitchen cabinet and counter top manufacturing	2005.. 139 433	5 300 600	4 449 554	851 046	1
		2004.. 136 548	5 063 897	4 203 787	860 111	1
		2003.. 128 103	4 535 632	3 777 417	758 215	1
		2002.. 126 384	4 320 287	3 625 414	694 873	X
33712	Household and institutional furniture manufacturing	2005.. 215 180	7 644 925	6 244 840	1 400 085	1
		2004.. 225 737	7 674 084	6 298 168	1 375 916	1
		2003.. 230 309	7 745 554	6 310 911	1 434 643	1
		2002.. 260 719	8 343 661	6 879 109	1 464 552	X
337121	Upholstered household furniture manufacturing	2005.. 82 273	2 885 197	2 363 460	521 737	1
		2004.. 81 811	2 737 911	2 254 733	483 179	1
		2003.. 83 931	2 797 214	2 285 176	512 038	2
		2002.. 90 957	2 904 988	2 414 744	490 244	X
337122	Nonupholstered wood household furniture manufacturing	2005.. 80 884	2 667 998	2 158 502	509 496	2
		2004.. 91 876	2 907 711	2 366 249	541 461	2
		2003.. 94 875	3 040 338	2 461 128	579 210	1
		2002.. 111 388	3 355 833	2 736 690	619 143	X
337127	Institutional furniture manufacturing	2005.. 31 323	1 344 830	1 119 147	225 684	4
		2004.. 30 892	1 274 585	1 057 270	217 315	3
		2003.. 29 571	1 159 707	957 004	202 703	4
		2002.. 33 844	1 279 035	1 064 894	214 141	X
33712N	Other household nonupholstered furniture	2005.. 20 700	746 900	603 732	143 168	3
		2004.. 21 157	753 877	619 916	133 961	4
		2003.. 21 932	748 295	607 602	140 693	2
		2002.. 24 530	803 805	662 781	141 024	X
3372	Office furniture (including fixtures) manufacturing	2005.. 137 709	6 587 375	5 323 758	1 263 617	2
		2004.. 144 119	6 454 990	5 237 376	1 217 614	1
		2003.. 156 047	6 709 059	5 424 193	1 284 866	1
		2002.. 164 116	6 837 764	5 560 190	1 277 574	X
33721	Office furniture (including fixtures) manufacturing	2005.. 137 709	6 587 375	5 323 758	1 263 617	2
		2004.. 144 119	6 454 990	5 237 376	1 217 614	1
		2003.. 156 047	6 709 059	5 424 193	1 284 866	1
		2002.. 164 116	6 837 764	5 560 190	1 277 574	X
337212	Custom architectural woodwork and millwork manufacturing	2005.. 31 756	1 549 325	1 321 019	228 306	4
		2004.. 33 259	1 527 749	1 292 743	235 006	4
		2003.. 33 361	1 474 751	1 235 570	239 181	2
		2002.. 35 180	1 518 064	1 287 276	230 788	X
337215	Showcase, partition, shelving, and locker manufacturing	2005.. 55 315	2 449 530	2 011 516	438 013	4
		2004.. 59 285	2 455 856	2 028 499	427 356	3
		2003.. 64 106	2 536 664	2 115 619	421 045	2
		2002.. 70 474	2 601 154	2 183 882	417 272	X
33721N	Office furniture manufacturing	2005.. 50 638	2 588 520	1 991 223	597 297	1
		2004.. 51 575	2 471 385	1 916 134	555 252	1
		2003.. 58 580	2 697 644	2 073 004	624 640	2
		2002.. 58 462	2 718 546	2 089 032	629 514	X
3379	Other furniture related product manufacturing	2005.. 43 517	1 853 336	1 472 905	380 431	2
		2004.. 44 204	1 791 899	1 426 751	365 148	2
		2003.. 43 079	1 673 860	1 337 328	336 532	2
		2002.. 45 087	1 680 938	1 362 240	318 698	X
33791	Mattress manufacturing	2005.. 22 605	1 053 803	842 100	211 703	3
		2004.. 23 079	1 029 261	823 397	205 863	2
		2003.. 22 278	961 821	776 763	185 057	2
		2002.. 23 081	940 589	765 443	175 146	X
337910	Mattress manufacturing	2005.. 22 605	1 053 803	842 100	211 703	3
		2004.. 23 079	1 029 261	823 397	205 863	2
		2003.. 22 278	961 821	776 763	185 057	2
		2002.. 23 081	940 589	765 443	175 146	X
33792	Blind and shade manufacturing	2005.. 20 912	799 533	630 805	168 728	3
		2004.. 21 125	762 639	603 354	159 285	2
		2003.. 20 801	712 040	560 565	151 475	3
		2002.. 22 006	740 349	596 797	143 552	X
337920	Blind and shade manufacturing	2005.. 20 912	799 533	630 805	168 728	3
		2004.. 21 125	762 639	603 354	159 285	2
		2003.. 20 801	712 040	560 565	151 475	3
		2002.. 22 006	740 349	596 797	143 552	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—	
			Total	Payroll	Total fringe benefits		
			A	B	C		D
339	Miscellaneous manufacturing	2005..	681 254	34 865 385	28 541 284	6 324 101	1
		2004..	690 761	33 514 784	27 434 215	6 080 569	1
		2003..	719 046	33 240 050	27 275 757	5 964 292	1
		2002..	751 142	32 880 630	27 166 196	5 714 434	X
3391	Medical equipment and supplies manufacturing	2005..	308 243	18 090 576	14 629 347	3 461 229	1
		2004..	304 603	16 834 503	13 599 706	3 234 797	1
		2003..	314 501	16 630 462	13 483 946	3 146 516	1
		2002..	325 024	16 305 446	13 307 939	2 997 507	X
33911	Medical equipment and supplies manufacturing	2005..	308 243	18 090 576	14 629 347	3 461 229	1
		2004..	304 603	16 834 503	13 599 706	3 234 797	1
		2003..	314 501	16 630 462	13 483 946	3 146 516	1
		2002..	325 024	16 305 446	13 307 939	2 997 507	X
339111	Laboratory apparatus and furniture manufacturing	2005..	22 877	1 437 505	1 157 872	279 632	2
		2004..	22 660	1 331 285	1 082 804	248 482	2
		2003..	24 629	1 397 774	1 152 227	245 547	2
		2002..	25 779	1 439 323	1 179 481	259 842	X
339112	Surgical and medical instrument manufacturing	2005..	97 799	6 338 603	5 049 332	1 289 271	2
		2004..	95 549	5 815 611	4 657 408	1 158 203	2
		2003..	93 796	5 451 217	4 401 777	1 049 440	2
		2002..	101 960	5 549 169	4 525 663	1 023 506	X
339113	Surgical appliance and supplies manufacturing	2005..	98 993	6 309 962	5 062 567	1 247 395	2
		2004..	96 695	5 763 705	4 615 809	1 147 896	2
		2003..	105 873	5 849 997	4 728 937	1 121 060	2
		2002..	107 200	5 526 283	4 478 639	1 047 644	X
339114	Dental equipment and supplies manufacturing	2005..	18 074	911 156	757 899	153 257	3
		2004..	17 039	890 705	741 549	149 156	4
		2003..	16 585	866 770	707 384	159 386	5
		2002..	16 995	824 689	684 320	140 369	X
339115	Ophthalmic goods manufacturing	2005..	19 520	1 135 504	907 888	227 616	2
		2004..	20 668	1 112 879	868 866	244 014	1
		2003..	22 871	1 147 683	896 141	251 542	6
		2002..	23 696	1 162 328	918 127	244 201	X
339116	Dental laboratories	2005..	50 979	1 957 846	1 693 788	264 057	2
		2004..	51 992	1 920 318	1 633 271	287 047	2
		2003..	50 747	1 917 022	1 597 480	319 542	2
		2002..	49 394	1 803 654	1 521 709	281 945	X
3399	Other miscellaneous manufacturing	2005..	373 011	16 774 809	13 911 937	2 862 872	1
		2004..	386 158	16 680 281	13 834 509	2 845 772	1
		2003..	404 545	16 609 588	13 791 812	2 817 776	1
		2002..	426 118	16 575 184	13 858 257	2 716 927	X
33991	Jewelry and silverware manufacturing	2005..	41 719	1 720 867	1 443 506	277 361	2
		2004..	44 316	1 766 678	1 480 021	286 656	1
		2003..	48 376	1 829 084	1 530 805	298 279	2
		2002..	50 581	1 826 493	1 534 092	292 401	X
33991M	Jewelry and silverware manufacturing	2005..	41 719	1 720 867	1 443 506	277 361	2
		2004..	44 316	1 766 678	1 480 021	286 656	1
		2003..	48 376	1 829 084	1 530 805	298 279	2
		2002..	50 581	1 826 493	1 534 092	292 401	X
33992	Sporting and athletic goods manufacturing	2005..	55 021	2 502 627	2 050 663	451 963	2
		2004..	57 174	2 502 564	2 053 858	448 706	2
		2003..	59 799	2 493 107	2 038 615	454 492	1
		2002..	61 977	2 512 033	2 070 185	441 848	X
339920	Sporting and athletic goods manufacturing	2005..	55 021	2 502 627	2 050 663	451 963	2
		2004..	57 174	2 502 564	2 053 858	448 706	2
		2003..	59 799	2 493 107	2 038 615	454 492	1
		2002..	61 977	2 512 033	2 070 185	441 848	X
33993	Doll, toy, and game manufacturing	2005..	15 361	687 700	563 127	124 573	3
		2004..	15 655	656 009	533 652	122 357	3
		2003..	18 410	733 058	599 648	133 411	3
		2002..	20 461	787 820	648 137	139 683	X
33993M	Doll, toy, and game manufacturing	2005..	15 361	687 700	563 127	124 573	3
		2004..	15 655	656 009	533 652	122 357	3
		2003..	18 410	733 058	599 648	133 411	3
		2002..	20 461	787 820	648 137	139 683	X
33994	Office supplies (except paper) manufacturing	2005..	18 054	873 706	701 873	171 833	2
		2004..	19 249	897 958	721 160	176 798	2
		2003..	21 194	907 412	737 367	170 046	1
		2002..	23 534	966 832	792 633	174 199	X
33994M	Office supplies (except paper) manufacturing	2005..	18 054	873 706	701 873	171 833	2
		2004..	19 249	897 958	721 160	176 798	2
		2003..	21 194	907 412	737 367	170 046	1
		2002..	23 534	966 832	792 633	174 199	X
33995	Sign manufacturing	2005..	79 387	3 491 370	3 013 974	477 396	2
		2004..	80 407	3 455 183	2 976 029	479 154	2
		2003..	80 220	3 387 850	2 904 756	483 094	2
		2002..	85 715	3 425 713	2 958 021	467 692	X
339950	Sign manufacturing	2005..	79 387	3 491 370	3 013 974	477 396	2
		2004..	80 407	3 455 183	2 976 029	479 154	2
		2003..	80 220	3 387 850	2 904 756	483 094	2
		2002..	85 715	3 425 713	2 958 021	467 692	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—	
			Total	Payroll	Total fringe benefits		
			A	B	C		D
339	Miscellaneous manufacturing—Con.						
3399	Other miscellaneous manufacturing—Con.						
33999	All other miscellaneous manufacturing	2005..	163 470	7 498 539	6 138 793	1 359 746	1
		2004..	169 358	7 401 889	6 069 790	1 332 100	1
		2003..	176 545	7 259 077	5 980 622	1 278 455	1
		2002..	183 850	7 056 293	5 855 189	1 201 104	X
339991	Gasket, packing, and sealing device manufacturing	2005..	34 809	1 832 051	1 405 206	426 845	2
		2004..	34 881	1 822 792	1 421 817	400 975	2
		2003..	34 572	1 723 656	1 332 394	391 262	2
		2002..	38 066	1 723 428	1 350 376	373 052	X
339992	Musical instrument manufacturing	2005..	12 711	600 975	477 030	123 944	3
		2004..	13 345	594 698	474 902	119 796	2
		2003..	13 917	566 323	454 275	112 047	3
		2002..	14 889	583 255	472 077	111 178	X
339993	Fastener, button, needle, and pin manufacturing	2005..	4 292	219 605	171 058	48 547	7
		2004..	4 353	210 934	164 514	46 420	7
		2003..	4 833	204 362	163 201	41 161	4
		2002..	5 257	210 768	171 477	39 291	X
339994	Broom, brush, and mop manufacturing	2005..	11 141	495 586	399 973	95 613	5
		2004..	11 960	518 920	420 952	97 969	4
		2003..	14 615	559 498	459 958	99 540	8
		2002..	14 845	552 519	459 911	92 608	X
339995	Burial casket manufacturing	2005..	4 743	208 960	160 192	48 769	2
		2004..	4 733	206 246	159 090	47 156	3
		2003..	5 198	226 050	177 466	48 584	1
		2002..	5 435	215 807	172 060	43 747	X
339999	All other miscellaneous manufacturing	2005..	95 774	4 141 362	3 525 334	616 028	2
		2004..	100 087	4 048 298	3 428 514	619 784	3
		2003..	103 411	3 979 188	3 393 328	585 861	2
		2002..	105 358	3 770 516	3 229 288	541 228	X

¹For a comparison of the Annual Survey of Manufactures (ASM) general statistics NAICS-based codes to the 2002 Economic Census NAICS codes, see Appendix F.

²Figures for 2005 represent average number of production workers for the March 12, June 12, September 12, and December 12 pay periods, plus other employees for the payroll period that includes the 12th of March. Figures for earlier years represent the average number of production workers for the payroll periods that include the 12th of March, May, August, and November, plus other employees for the March 12th pay period.

³Description of relative standard error of estimate is given in Appendix C. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note 1: Previous years' data may differ from that published in the 2004 Annual Survey of Manufactures (ASM) because of changes encountered in subsequent review of the 2005 ASM.

Note 2: The data in this table are based on the 2005 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
			A	B	C	D		E	F
31-33	Manufacturing	2005.. 99 748 351	904 821 180	46 445 800	112 420 649	23 967 352	53 302 551	1	1
		2004.. 84 474 900	876 121 348	41 954 980	115 892 291	19 420 600	42 519 920	1	1
		2003.. 78 449 121	821 029 560	40 597 814	N	N	37 851 307	1	1
		2002.. 70 613 272	813 131 860	38 856 061	N	N	31 757 211	X	X
311	Food manufacturing	2005.. 9 106 610	78 820 906	4 257 649	4 221 967	299 245	4 848 961	1	1
		2004.. 7 705 540	75 215 553	3 815 965	5 014 369	343 561	3 889 575	1	1
		2003.. 7 300 403	66 460 576	3 629 834	N	N	3 670 569	1	1
		2002.. 6 737 323	67 310 841	3 554 739	N	N	3 182 584	X	X
3111	Animal food manufacturing	2005.. 517 722	4 047 307	222 869	118	S	294 852	3	11
		2004.. 410 730	3 756 013	195 324	90	S	215 406	3	7
		2003.. 344 957	2 789 241	166 440	N	N	178 517	6	2
		2002.. 363 847	3 471 787	191 336	N	N	172 511	X	X
31111	Animal food manufacturing	2005.. 517 722	4 047 307	222 869	118	S	294 852	3	11
		2004.. 410 730	3 756 013	195 324	90	S	215 406	3	7
		2003.. 344 957	2 789 241	166 440	N	N	178 517	6	2
		2002.. 363 847	3 471 787	191 336	N	N	172 511	X	X
311111	Dog and cat food manufacturing	2005.. 175 396	1 247 762	69 479	—	—	105 917	1	2
		2004.. 139 143	1 239 731	61 709	—	—	77 434	1	1
		2003.. 134 421	1 178 762	61 755	N	N	72 667	1	2
		2002.. 134 392	1 292 652	66 346	N	N	68 046	X	X
311119	Other animal food manufacturing	2005.. 342 326	2 799 544	153 390	118	S	188 936	5	17
		2004.. 271 587	2 516 282	133 615	90	S	137 972	4	10
		2003.. 210 536	1 610 479	104 685	N	N	105 850	10	3
		2002.. 229 455	2 179 135	124 990	N	N	104 465	X	X
3112	Grain and oilseed milling	2005.. 1 987 256	15 693 502	767 826	2 397 791	122 684	1 219 430	1	1
		2004.. 1 701 686	15 316 695	668 417	2 682 773	D	1 033 268	1	1
		2003.. 1 594 535	14 233 553	646 548	N	N	947 987	2	2
		2002.. 1 507 580	15 267 617	648 384	N	N	859 196	X	X
31121	Flour milling and malt manufacturing	2005.. 293 289	3 229 808	187 001	D	—	106 287	1	1
		2004.. 259 640	3 357 360	170 684	D	—	88 956	1	2
		2003.. 243 929	2 980 878	166 967	N	N	76 962	1	1
		2002.. 227 966	2 936 505	160 494	N	N	67 472	X	X
31121M	Flour milling and malt manufacturing	2005.. 293 289	3 229 808	187 001	D	—	106 287	1	1
		2004.. 259 640	3 357 360	170 684	D	—	88 956	1	2
		2003.. 243 929	2 980 878	166 967	N	N	76 962	1	1
		2002.. 227 966	2 936 505	160 494	N	N	67 472	X	X
31122	Starch and vegetable fats and oils manufacturing	2005.. 1 545 884	10 876 432	509 031	D	D	1 036 853	1	1
		2004.. 1 316 995	10 541 553	433 659	D	121 794	883 336	1	1
		2003.. 1 236 663	9 909 235	417 948	N	N	818 715	3	2
		2002.. 1 178 999	11 071 060	431 561	N	N	747 438	X	X
311221	Wet corn milling	2005.. 949 138	6 905 385	326 828	2 097 846	D	622 310	1	1
		2004.. 814 316	6 636 949	266 594	2 379 782	D	547 722	1	1
		2003.. 753 582	6 197 936	255 039	N	N	498 543	5	3
		2002.. 739 694	7 350 451	267 984	N	N	471 710	X	X
311225	Fats and oils refining and blending	2005.. 148 865	1 127 986	56 966	D	D	91 899	1	1
		2004.. 126 598	1 058 744	49 717	D	D	76 880	1	1
		2003.. 106 276	847 184	42 101	N	N	64 175	2	2
		2002.. 114 118	915 817	46 779	N	N	67 339	X	X
31122N	Soybean and other oilseed processing	2005.. 447 880	2 843 060	125 237	250 696	D	322 644	2	3
		2004.. 376 081	2 845 859	117 347	D	D	258 734	1	3
		2003.. 376 805	2 864 114	120 808	N	N	255 997	2	2
		2002.. 325 187	2 804 792	116 798	N	N	208 389	X	X
31123	Breakfast cereal manufacturing	2005.. 148 084	1 587 263	71 794	D	D	76 290	1	3
		2004.. 125 050	1 417 782	64 074	D	D	60 976	1	1
		2003.. 113 943	1 343 440	61 633	N	N	52 310	1	1
		2002.. 100 615	1 260 052	56 329	N	N	44 286	X	X
311230	Breakfast cereal manufacturing	2005.. 148 084	1 587 263	71 794	D	D	76 290	1	3
		2004.. 125 050	1 417 782	64 074	D	D	60 976	1	1
		2003.. 113 943	1 343 440	61 633	N	N	52 310	1	1
		2002.. 100 615	1 260 052	56 329	N	N	44 286	X	X
3113	Sugar and confectionery product manufacturing	2005.. 535 114	3 622 876	203 361	D	D	331 754	1	1
		2004.. 458 426	3 552 540	185 836	D	D	272 590	1	1
		2003.. 468 329	3 378 277	192 137	N	N	276 192	3	9
		2002.. 415 911	3 157 745	183 969	N	N	231 942	X	X
31131	Sugar manufacturing	2005.. 283 939	1 103 928	56 744	1 297 202	D	227 194	1	1
		2004.. 259 157	1 076 053	52 039	1 705 379	D	207 118	1	1
		2003.. 260 211	946 977	55 182	N	N	205 029	9	12
		2002.. 215 155	966 107	52 743	N	N	162 412	X	X
311313	Beet sugar manufacturing	2005.. 168 171	590 516	28 453	389 610	D	139 719	1	1
		2004.. 151 685	574 030	25 259	413 393	D	126 426	1	1
		2003.. 153 652	459 732	25 051	N	N	128 601	20	19
		2002.. 117 092	463 952	22 767	N	N	94 325	X	X
31131N	Sugar cane mills and refining	2005.. 115 767	513 412	28 292	907 592	D	87 476	1	1
		2004.. 107 472	502 024	26 780	1 291 986	D	80 692	1	1
		2003.. 106 559	487 245	30 131	N	N	76 428	1	1
		2002.. 98 063	502 155	29 976	N	N	68 087	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—		
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		F	C	F
			Quantity (1,000 kWh)	Cost (\$1,000)						
		A	B	C	D	E	F	C	F	
311	Food manufacturing—Con.									
3113	Sugar and confectionery product manufacturing—Con.									
31132	Chocolate and confectionery manufacturing from cacao beans	2005.. 52 779	501 682	31 598	D	—	21 181	3	6	
		2004.. 43 579	587 373	31 708	S	—	11 872	3	7	
		2003.. 46 783	652 859	32 527	N	N	14 256	3	4	
		2002.. 44 301	533 419	31 893	N	N	12 408	X	X	
311320	Chocolate and confectionery manufacturing from cacao beans	2005.. 52 779	501 682	31 598	D	—	21 181	3	6	
		2004.. 43 579	587 373	31 708	S	—	11 872	3	7	
		2003.. 46 783	652 859	32 527	N	N	14 256	3	4	
		2002.. 44 301	533 419	31 893	N	N	12 408	X	X	
31133	Confectionery manufacturing from purchased chocolate	2005.. 111 891	1 104 070	66 982	D	D	44 908	1	2	
		2004.. 85 154	1 057 974	58 864	D	D	26 289	1	2	
		2003.. 89 218	996 979	59 264	N	N	29 954	1	1	
		2002.. 86 560	987 915	58 621	N	N	27 939	X	X	
311330	Confectionery manufacturing from purchased chocolate	2005.. 111 891	1 104 070	66 982	D	D	44 908	1	2	
		2004.. 85 154	1 057 974	58 864	D	D	26 289	1	2	
		2003.. 89 218	996 979	59 264	N	N	29 954	1	1	
		2002.. 86 560	987 915	58 621	N	N	27 939	X	X	
31134	Nonchocolate confectionery manufacturing	2005.. 86 506	913 196	48 036	D	—	38 470	3	2	
		2004.. 70 536	831 139	43 225	D	—	27 311	4	3	
		2003.. 72 117	781 461	45 164	N	N	26 953	1	2	
		2002.. 69 895	670 304	40 712	N	N	29 183	X	X	
311340	Nonchocolate confectionery manufacturing	2005.. 86 506	913 196	48 036	D	—	38 470	3	2	
		2004.. 70 536	831 139	43 225	D	—	27 311	4	3	
		2003.. 72 117	781 461	45 164	N	N	26 953	1	2	
		2002.. 69 895	670 304	40 712	N	N	29 183	X	X	
3114	Fruit and vegetable preserving and specialty food manufacturing	2005.. 1 260 340	9 483 778	536 975	321 838	D	723 365	2	2	
		2004.. 1 072 744	9 415 066	498 468	367 109	D	574 276	2	1	
		2003.. 1 014 216	8 675 442	496 723	N	N	517 493	4	2	
		2002.. 972 168	8 480 502	489 274	N	N	482 894	X	X	
31141	Frozen food manufacturing	2005.. 537 387	5 513 255	293 767	4 429	—	243 620	3	3	
		2004.. 467 172	5 350 086	262 560	7 431	—	204 611	2	2	
		2003.. 462 718	4 968 238	264 964	N	N	197 754	1	1	
		2002.. 431 866	4 971 672	262 811	N	N	169 055	X	X	
31141M	Frozen food manufacturing	2005.. 537 387	5 513 255	293 767	4 429	—	243 620	3	3	
		2004.. 467 172	5 350 086	262 560	7 431	—	204 611	2	2	
		2003.. 462 718	4 968 238	264 964	N	N	197 754	1	1	
		2002.. 431 866	4 971 672	262 811	N	N	169 055	X	X	
31142	Fruit and vegetable canning, pickling, and drying	2005.. 722 952	3 970 523	243 207	317 408	D	479 745	2	3	
		2004.. 605 572	4 064 980	235 907	359 677	D	369 665	3	2	
		2003.. 551 498	3 707 204	231 759	N	N	319 739	8	2	
		2002.. 540 302	3 508 830	226 463	N	N	313 839	X	X	
31142M	Fruit and vegetable canning, pickling, and drying	2005.. 722 952	3 970 523	243 207	317 408	D	479 745	2	3	
		2004.. 605 572	4 064 980	235 907	359 677	D	369 665	3	2	
		2003.. 551 498	3 707 204	231 759	N	N	319 739	8	2	
		2002.. 540 302	3 508 830	226 463	N	N	313 839	X	X	
3115	Dairy product manufacturing	2005.. 1 055 607	9 500 508	574 782	10 651	D	480 825	1	1	
		2004.. 903 136	9 215 675	503 783	D	21 243	399 353	1	1	
		2003.. 871 347	8 242 472	492 721	N	N	378 626	1	1	
		2002.. 787 611	8 058 291	477 418	N	N	310 193	X	X	
31151	Dairy product (except frozen) manufacturing	2005.. 935 779	7 690 695	475 537	10 651	D	460 242	1	1	
		2004.. 809 002	7 751 164	425 584	D	21 243	383 418	1	1	
		2003.. 779 307	6 954 803	414 851	N	N	364 456	1	1	
		2002.. 694 909	6 763 616	397 455	N	N	297 454	X	X	
311513	Cheese manufacturing	2005.. 350 029	2 663 182	160 802	D	—	189 227	1	2	
		2004.. 289 319	2 605 980	136 442	D	D	152 877	1	2	
		2003.. 282 356	2 485 130	137 488	N	N	144 868	2	2	
		2002.. 242 972	2 360 686	130 774	N	N	112 198	X	X	
311514	Dry, condensed, and evaporated dairy product manufacturing	2005.. 180 286	1 202 855	69 401	—	—	110 885	1	4	
		2004.. 162 430	1 221 011	67 830	—	—	94 599	1	3	
		2003.. 163 685	1 093 758	65 290	N	N	98 394	3	1	
		2002.. 149 995	1 208 224	67 941	N	N	82 054	X	X	
31151N	Fluid milk and butter manufacturing	2005.. 405 464	3 824 658	245 334	D	D	160 131	2	2	
		2004.. 357 253	3 924 173	221 311	—	D	135 942	1	2	
		2003.. 333 266	3 375 915	212 072	N	N	121 194	1	2	
		2002.. 301 942	3 194 706	198 740	N	N	103 202	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
			A	B	C	D		E	F
311	Food manufacturing—Con.								
3115	Dairy product manufacturing—Con.								
31152	Ice cream and frozen dessert manufacturing	2005.. 119 828	1 809 813	99 245	—	—	20 583	1	3
		2004.. 94 134	1 464 511	78 199	—	—	15 935	1	3
		2003.. 92 040	1 287 669	77 870	N	N	14 170	2	2
		2002.. 92 702	1 294 675	79 963	N	N	12 739	X	X
311520	Ice cream and frozen dessert manufacturing	2005.. 119 828	1 809 813	99 245	—	—	20 583	1	3
		2004.. 94 134	1 464 511	78 199	—	—	15 935	1	3
		2003.. 92 040	1 287 669	77 870	N	N	14 170	2	2
		2002.. 92 702	1 294 675	79 963	N	N	12 739	X	X
3116	Animal slaughtering and processing ..	2005.. 1 884 338	20 158 198	995 329	18 203	12 788	889 009	1	3
		2004.. 1 587 724	18 376 679	885 839	17 436	12 913	701 885	1	4
		2003.. 1 570 636	16 316 947	836 675	N	N	733 961	1	3
		2002.. 1 340 410	16 087 170	785 915	N	N	554 495	X	X
31161	Animal slaughtering and processing	2005.. 1 884 338	20 158 198	995 329	18 203	12 788	889 009	1	3
		2004.. 1 587 724	18 376 679	885 839	17 436	12 913	701 885	1	4
		2003.. 1 570 636	16 316 947	836 675	N	N	733 961	1	3
		2002.. 1 340 410	16 087 170	785 915	N	N	554 495	X	X
311615	Poultry processing	2005.. 631 781	8 491 369	402 947	—	—	228 834	1	12
		2004.. 536 774	7 720 088	356 686	D	—	180 088	1	15
		2003.. 504 850	6 759 416	331 069	N	N	173 782	1	1
		2002.. 525 170	7 031 007	335 785	N	N	189 385	X	X
31161N	Animal (except poultry) slaughtering and processing....	2005.. 1 252 556	11 666 829	592 381	18 203	12 788	660 175	1	2
		2004.. 1 050 950	10 656 592	529 153	D	12 913	521 797	1	1
		2003.. 1 065 786	9 557 531	505 606	N	N	560 179	1	4
		2002.. 815 240	9 056 163	450 130	N	N	365 110	X	X
3117	Seafood product preparation and packaging	2005.. 221 503	1 897 168	106 364	52 703	4 263	115 139	6	4
		2004.. 163 264	1 566 364	90 345	94 571	670	72 919	2	4
		2003.. 132 656	1 175 896	72 973	N	N	59 683	5	8
		2002.. 125 600	1 043 073	66 628	N	N	58 972	X	X
31171	Seafood product preparation and packaging	2005.. 221 503	1 897 168	106 364	52 703	4 263	115 139	6	4
		2004.. 163 264	1 566 364	90 345	94 571	670	72 919	2	4
		2003.. 132 656	1 175 896	72 973	N	N	59 683	5	8
		2002.. 125 600	1 043 073	66 628	N	N	58 972	X	X
31171M	Seafood product preparation and packaging	2005.. 221 503	1 897 168	106 364	52 703	4 263	115 139	6	4
		2004.. 163 264	1 566 364	90 345	94 571	670	72 919	2	4
		2003.. 132 656	1 175 896	72 973	N	N	59 683	5	8
		2002.. 125 600	1 043 073	66 628	N	N	58 972	X	X
3118	Bakeries and tortilla manufacturing...	2005.. 819 076	7 600 551	447 633	D	1 886	371 443	1	1
		2004.. 735 484	7 458 891	422 327	D	D	313 157	2	1
		2003.. 684 226	6 250 574	394 209	N	N	290 017	1	2
		2002.. 668 149	6 435 917	397 220	N	N	270 929	X	X
31181	Bread and bakery product manufacturing	2005.. 564 124	5 164 081	307 935	D	1 886	256 189	2	2
		2004.. 493 162	4 792 561	278 841	D	D	214 321	2	2
		2003.. 457 545	4 025 123	258 942	N	N	198 603	1	2
		2002.. 465 820	4 322 820	270 329	N	N	195 491	X	X
31181M	Bread and bakery product manufacturing	2005.. 564 124	5 164 081	307 935	D	1 886	256 189	2	2
		2004.. 493 162	4 792 561	278 841	D	D	214 321	2	2
		2003.. 457 545	4 025 123	258 942	N	N	198 603	1	2
		2002.. 465 820	4 322 820	270 329	N	N	195 491	X	X
31182	Cookie, cracker, and pasta manufacturing	2005.. 208 145	2 124 046	116 833	D	—	91 312	2	1
		2004.. 202 337	2 339 555	122 943	5 349	—	79 394	1	1
		2003.. 194 078	1 981 982	117 926	N	—	76 152	3	7
		2002.. 170 658	1 875 199	109 413	N	N	61 245	X	X
31182M	Cookie, cracker, and pasta manufacturing	2005.. 208 145	2 124 046	116 833	D	—	91 312	2	1
		2004.. 202 337	2 339 555	122 943	5 349	—	79 394	1	1
		2003.. 194 078	1 981 982	117 926	N	—	76 152	3	7
		2002.. 170 658	1 875 199	109 413	N	N	61 245	X	X
31183	Tortilla manufacturing	2005.. 46 808	312 425	22 865	—	—	23 943	5	6
		2004.. 39 985	326 775	20 543	—	—	19 442	5	6
		2003.. 32 604	243 469	17 341	N	N	15 262	4	4
		2002.. 31 671	237 898	17 478	N	N	14 193	X	X
311830	Tortilla manufacturing	2005.. 46 808	312 425	22 865	—	—	23 943	5	6
		2004.. 39 985	326 775	20 543	—	—	19 442	5	6
		2003.. 32 604	243 469	17 341	N	N	15 262	4	4
		2002.. 31 671	237 898	17 478	N	N	14 193	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
311	Food manufacturing—Con.								
3119	Other food manufacturing	2005.. 825 654	6 817 017	402 511	21 951	25 807	423 144	1	2
		2004.. 672 347	6 557 631	365 626	29 903	D	306 721	1	2
		2003.. 619 501	5 398 175	331 409	N	N	288 092	2	1
		2002.. 556 047	5 308 739	314 595	N	N	241 452	X	X
31191	Snack food manufacturing	2005.. 290 146	1 683 469	92 255	D	D	197 892	1	1
		2004.. 209 668	1 682 987	87 376	D	D	122 291	1	2
		2003.. 209 468	1 467 676	83 847	N	N	125 621	2	1
		2002.. 191 973	1 677 002	82 703	N	N	109 270	X	X
31191M	Snack food manufacturing	2005.. 290 146	1 683 469	92 255	D	D	197 892	1	1
		2004.. 209 668	1 682 987	87 376	D	D	122 291	1	2
		2003.. 209 468	1 467 676	83 847	N	N	125 621	2	1
		2002.. 191 973	1 677 002	82 703	N	N	109 270	X	X
31192	Coffee and tea manufacturing	2005.. 81 014	553 309	37 137	—	—	43 878	3	6
		2004.. 67 139	526 560	31 023	—	—	36 116	2	4
		2003.. 65 406	484 203	30 527	N	N	34 879	1	1
		2002.. 51 247	431 906	27 797	N	N	23 450	X	X
311920	Coffee and tea manufacturing ...	2005.. 81 014	553 309	37 137	—	—	43 878	3	6
		2004.. 67 139	526 560	31 023	—	—	36 116	2	4
		2003.. 65 406	484 203	30 527	N	N	34 879	1	1
		2002.. 51 247	431 906	27 797	N	N	23 450	X	X
31193	Flavoring syrup and concentrate manufacturing	2005.. 30 190	222 164	14 854	D	—	15 336	7	11
		2004.. 26 193	231 040	12 991	D	—	13 202	7	13
		2003.. 21 867	199 195	12 438	N	N	9 429	9	3
		2002.. 18 816	151 924	10 703	N	N	8 113	X	X
311930	Flavoring syrup and concentrate manufacturing	2005.. 30 190	222 164	14 854	D	—	15 336	7	11
		2004.. 26 193	231 040	12 991	D	—	13 202	7	13
		2003.. 21 867	199 195	12 438	N	N	9 429	9	3
		2002.. 18 816	151 924	10 703	N	N	8 113	X	X
31194	Seasoning and dressing manufacturing	2005.. 112 574	1 138 258	70 782	—	D	41 792	1	1
		2004.. 97 433	1 138 798	65 294	—	D	32 139	2	1
		2003.. 93 841	982 519	60 126	N	N	33 715	1	2
		2002.. 83 966	902 619	55 410	N	N	28 556	X	X
31194M	Seasoning and dressing manufacturing	2005.. 112 574	1 138 258	70 782	—	D	41 792	1	1
		2004.. 97 433	1 138 798	65 294	—	D	32 139	2	1
		2003.. 93 841	982 519	60 126	N	N	33 715	1	2
		2002.. 83 966	902 619	55 410	N	N	28 556	X	X
31199	All other food manufacturing	2005.. 311 730	3 219 817	187 484	252	D	124 247	2	5
		2004.. 271 915	2 978 246	168 942	—	D	102 973	2	5
		2003.. 228 919	2 264 583	144 471	N	N	84 448	4	3
		2002.. 210 045	2 145 288	137 982	N	N	72 063	X	X
31199M	All other food manufacturing	2005.. 311 730	3 219 817	187 484	252	D	124 247	2	5
		2004.. 271 915	2 978 246	168 942	—	D	102 973	2	5
		2003.. 228 919	2 264 583	144 471	N	N	84 448	4	3
		2002.. 210 045	2 145 288	137 982	N	N	72 063	X	X
312	Beverage and tobacco product manufacturing	2005.. 981 809	9 362 927	557 358	D	D	424 450	1	1
		2004.. 841 158	8 929 226	497 626	D	D	343 532	1	1
		2003.. 819 889	8 371 906	492 378	N	N	327 510	1	1
		2002.. 762 814	8 239 165	483 422	N	N	279 392	X	X
3121	Beverage manufacturing	2005.. 852 201	7 801 239	482 109	D	D	370 091	1	2
		2004.. 731 898	7 496 809	431 310	D	D	300 588	1	1
		2003.. 704 053	6 971 375	426 756	N	N	277 296	2	2
		2002.. 648 876	6 751 378	416 151	N	N	232 725	X	X
31211	Soft drink and ice manufacturing ...	2005.. 408 702	4 032 126	251 765	60	87	156 937	2	2
		2004.. 352 157	3 744 296	224 172	60	S	127 986	2	1
		2003.. 336 439	3 479 226	228 195	N	N	108 244	3	4
		2002.. 305 599	3 235 699	214 518	N	N	91 081	X	X
31211M	Soft drink and ice manufacturing .	2005.. 408 702	4 032 126	251 765	60	87	156 937	2	2
		2004.. 352 157	3 744 296	224 172	60	S	127 986	2	1
		2003.. 336 439	3 479 226	228 195	N	N	108 244	3	4
		2002.. 305 599	3 235 699	214 518	N	N	91 081	X	X
31212	Breweries	2005.. 317 602	2 602 500	149 372	D	D	168 229	1	2
		2004.. 270 052	2 585 621	130 375	D	D	139 676	1	1
		2003.. 268 698	2 534 165	126 863	N	N	141 835	1	1
		2002.. 237 223	2 494 752	123 465	N	N	113 758	X	X
312120	Breweries	2005.. 317 602	2 602 500	149 372	D	D	168 229	1	2
		2004.. 270 052	2 585 621	130 375	D	D	139 676	1	1
		2003.. 268 698	2 534 165	126 863	N	N	141 835	1	1
		2002.. 237 223	2 494 752	123 465	N	N	113 758	X	X
31213	Wineries	2005.. 89 822	873 208	66 947	D	270	22 875	3	5
		2004.. 82 829	898 977	64 548	A	270	18 281	4	7
		2003.. 77 491	754 943	61 229	N	N	16 262	2	2
		2002.. 83 602	803 249	67 150	N	N	16 452	X	X
312130	Wineries	2005.. 89 822	873 208	66 947	D	270	22 875	3	5
		2004.. 82 829	898 977	64 548	A	270	18 281	4	7
		2003.. 77 491	754 943	61 229	N	N	16 262	2	2
		2002.. 83 602	803 249	67 150	N	N	16 452	X	X

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			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
			A	B	C	D		E	F
312	Beverage and tobacco product manufacturing—Con.								
3121	Beverage manufacturing—Con.								
31214	Distilleries	2005.. 36 075	293 404	14 025	—	—	22 050	5	20
		2004.. 26 860	267 914	12 215	—	—	14 645	4	12
		2003.. 21 424	203 041	10 469	N	N	10 955	3	13
		2002.. 22 452	217 678	11 018	N	N	11 434	X	X
312140	Distilleries	2005.. 36 075	293 404	14 025	—	—	22 050	5	20
		2004.. 26 860	267 914	12 215	—	—	14 645	4	12
		2003.. 21 424	203 041	10 469	N	N	10 955	3	13
		2002.. 22 452	217 678	11 018	N	N	11 434	X	X
3122	Tobacco manufacturing.....	2005.. 129 608	1 561 688	75 249	D	—	54 359	1	1
		2004.. 109 260	1 432 417	66 316	D	D	42 944	1	1
		2003.. 115 836	1 400 531	65 622	N	N	50 214	1	1
		2002.. 113 938	1 487 787	67 271	N	N	46 667	X	X
31221	Tobacco stemming and redrying ...	2005.. D	134 966	6 511	—	—	D	1	S
		2004.. 15 248	108 660	7 042	—	—	8 206	1	1
		2003.. 15 413	116 129	7 292	N	N	8 121	1	1
		2002.. 13 452	110 343	6 417	N	N	7 035	X	X
312210	Tobacco stemming and redrying .	2005.. D	134 966	6 511	—	—	D	1	S
		2004.. 15 248	108 660	7 042	—	—	8 206	1	1
		2003.. 15 413	116 129	7 292	N	N	8 121	1	1
		2002.. 13 452	110 343	6 417	N	N	7 035	X	X
31222	Tobacco product manufacturing ...	2005.. D	1 426 722	68 738	D	—	D	1	S
		2004.. 94 012	1 323 757	59 274	D	D	34 738	1	1
		2003.. 100 423	1 284 402	58 330	N	N	42 093	1	1
		2002.. 100 486	1 377 444	60 854	N	N	39 632	X	X
31222M	Tobacco product manufacturing .	2005.. D	1 426 722	68 738	D	—	D	1	S
		2004.. 94 012	1 323 757	59 274	D	D	34 738	1	1
		2003.. 100 423	1 284 402	58 330	N	N	42 093	1	1
		2002.. 100 486	1 377 444	60 854	N	N	39 632	X	X
313	Textile mills	2005.. 1 637 319	21 705 388	1 001 528	275 890	D	635 791	1	1
		2004.. 1 541 532	22 307 740	1 014 215	192 827	D	527 317	1	1
		2003.. 1 526 118	22 937 562	1 036 239	—	N	489 879	1	1
		2002.. 1 510 962	23 593 484	1 057 179	—	N	453 783	X	X
3131	Fiber, yarn, and thread mills	2005.. 445 151	8 439 890	361 975	D	—	83 176	2	4
		2004.. 434 762	8 494 427	364 303	D	—	70 459	2	3
		2003.. 406 197	7 890 023	351 411	N	N	54 786	2	3
		2002.. 403 430	8 216 156	361 640	N	N	41 790	X	X
31311	Fiber, yarn, and thread mills	2005.. 445 151	8 439 890	361 975	D	—	83 176	2	4
		2004.. 434 762	8 494 427	364 303	D	—	70 459	2	3
		2003.. 406 197	7 890 023	351 411	N	N	54 786	2	3
		2002.. 403 430	8 216 156	361 640	N	N	41 790	X	X
31311M	Fiber, yarn, and thread mills	2005.. 445 151	8 439 890	361 975	D	—	83 176	2	4
		2004.. 434 762	8 494 427	364 303	D	—	70 459	2	3
		2003.. 406 197	7 890 023	351 411	N	N	54 786	2	3
		2002.. 403 430	8 216 156	361 640	N	N	41 790	X	X
3132	Fabric mills	2005.. 726 302	9 995 689	455 683	D	D	270 620	1	2
		2004.. 692 425	10 712 973	466 337	D	D	226 088	1	2
		2003.. 723 307	12 089 377	506 018	N	N	217 288	1	1
		2002.. 739 633	12 668 146	535 863	N	N	203 770	X	X
31321	Broadwoven fabric mills	2005.. 351 390	5 468 530	236 544	16 457	—	114 846	2	2
		2004.. 350 032	6 305 377	256 644	D	—	93 388	1	1
		2003.. 392 008	6 931 689	298 065	N	N	93 942	1	1
		2002.. 406 931	7 451 920	316 718	N	N	90 213	X	X
313210	Broadwoven fabric mills	2005.. 351 390	5 468 530	236 544	16 457	—	114 846	2	2
		2004.. 350 032	6 305 377	256 644	D	—	93 388	1	1
		2003.. 392 008	6 931 689	298 065	N	N	93 942	1	1
		2002.. 406 931	7 451 920	316 718	N	N	90 213	X	X
31322	Narrow fabric mills and schiffli machine embroidery	2005.. 37 220	364 981	21 214	D	137	16 007	9	5
		2004.. 34 014	378 759	21 240	D	137	12 774	3	5
		2003.. 32 079	367 825	20 434	N	N	11 645	2	2
		2002.. 31 508	346 743	22 247	N	N	9 261	X	X
31322M	Narrow fabric mills and schiffli machine embroidery	2005.. 37 220	364 981	21 214	D	137	16 007	9	5
		2004.. 34 014	378 759	21 240	D	137	12 774	3	5
		2003.. 32 079	367 825	20 434	N	N	11 645	2	2
		2002.. 31 508	346 743	22 247	N	N	9 261	X	X
31323	Nonwoven fabric mills	2005.. 216 935	2 962 305	135 083	D	D	81 852	1	1
		2004.. 196 844	2 713 814	124 686	D	D	72 158	1	1
		2003.. 180 419	3 513 234	123 257	N	N	57 162	4	1
		2002.. 187 265	3 641 900	133 354	N	N	53 911	X	X
313230	Nonwoven fabric mills	2005.. 216 935	2 962 305	135 083	D	D	81 852	1	1
		2004.. 196 844	2 713 814	124 686	D	D	72 158	1	1
		2003.. 180 419	3 513 234	123 257	N	N	57 162	4	1
		2002.. 187 265	3 641 900	133 354	N	N	53 911	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
313	Textile mills—Con.								
3132	Fabric mills—Con.								
31324	Knit fabric mills	2005.. 120 757	1 199 872	62 842	D	—	57 915	5	6
		2004.. 111 536	1 315 023	63 767	D	—	47 769	5	7
		2003.. 118 801	1 276 630	64 262	N	N	54 539	3	2
		2002.. 113 929	1 227 583	63 544	N	N	50 385	X	X
31324M	Knit fabric mills	2005.. 120 757	1 199 872	62 842	D	—	57 915	5	6
		2004.. 111 536	1 315 023	63 767	D	—	47 769	5	7
		2003.. 118 801	1 276 630	64 262	N	N	54 539	3	2
		2002.. 113 929	1 227 583	63 544	N	N	50 385	X	X
3133	Textile and fabric finishing and fabric coating mills.....	2005.. 465 866	3 269 809	183 870	D	—	281 996	2	2
		2004.. 414 345	3 100 340	183 574	D	—	230 770	2	2
		2003.. 396 614	2 958 161	178 809	N	N	217 804	6	3
		2002.. 367 899	2 709 182	159 676	N	N	208 223	X	X
31331	Textile and fabric finishing mills	2005.. 411 239	2 888 298	158 692	D	—	252 547	3	2
		2004.. 367 208	2 740 817	160 558	D	—	206 650	2	2
		2003.. 349 468	2 594 612	152 867	N	N	196 601	7	3
		2002.. 326 254	2 372 406	137 698	N	N	188 556	X	X
31331M	Textile and fabric finishing mills ..	2005.. 411 239	2 888 298	158 692	D	—	252 547	3	2
		2004.. 367 208	2 740 817	160 558	D	—	206 650	2	2
		2003.. 349 468	2 594 612	152 867	N	N	196 601	7	3
		2002.. 326 254	2 372 406	137 698	N	N	188 556	X	X
31332	Fabric coating mills	2005.. 54 627	381 511	25 178	—	—	29 449	6	4
		2004.. 47 136	359 523	23 016	—	—	24 120	6	5
		2003.. 47 146	363 549	25 943	N	N	21 203	12	3
		2002.. 41 645	336 776	21 978	N	N	19 667	X	X
313320	Fabric coating mills	2005.. 54 627	381 511	25 178	—	—	29 449	6	4
		2004.. 47 136	359 523	23 016	—	—	24 120	6	5
		2003.. 47 146	363 549	25 943	N	N	21 203	12	3
		2002.. 41 645	336 776	21 978	N	N	19 667	X	X
314	Textile product mills	2005.. 548 891	6 623 461	292 213	40 325	34	256 678	2	1
		2004.. 430 769	5 447 348	239 786	6 431	34	190 984	1	1
		2003.. 422 785	4 953 582	233 793	N	N	188 993	1	1
		2002.. 394 243	4 839 897	228 033	N	N	166 210	X	X
3141	Textile furnishings mills	2005.. 382 880	4 333 285	178 653	—	—	204 228	2	2
		2004.. 278 384	3 221 666	131 282	—	—	147 102	1	1
		2003.. 280 844	2 911 943	133 353	N	N	147 491	1	1
		2002.. 262 795	2 919 620	133 278	N	N	129 517	X	X
31411	Carpet and rug mills	2005.. 304 613	3 377 238	131 250	—	—	173 363	2	1
		2004.. 212 752	2 423 985	91 751	—	—	121 001	2	1
		2003.. 222 367	2 299 939	96 670	N	N	125 697	1	1
		2002.. 204 702	2 284 240	95 973	N	N	108 729	X	X
314110	Carpet and rug mills	2005.. 304 613	3 377 238	131 250	—	—	173 363	2	1
		2004.. 212 752	2 423 985	91 751	—	—	121 001	2	1
		2003.. 222 367	2 299 939	96 670	N	N	125 697	1	1
		2002.. 204 702	2 284 240	95 973	N	N	108 729	X	X
31412	Curtain and linen mills	2005.. 78 268	956 047	47 402	—	—	30 865	6	8
		2004.. 65 631	797 681	39 531	—	—	26 101	2	2
		2003.. 58 477	612 004	36 682	N	N	21 794	2	3
		2002.. 58 093	635 380	37 305	N	N	20 788	X	X
31412M	Curtain and linen mills	2005.. 78 268	956 047	47 402	—	—	30 865	6	8
		2004.. 65 631	797 681	39 531	—	—	26 101	2	2
		2003.. 58 477	612 004	36 682	N	N	21 794	2	3
		2002.. 58 093	635 380	37 305	N	N	20 788	X	X
3149	Other textile product mills	2005.. 166 011	2 290 175	113 561	40 325	34	52 450	2	3
		2004.. 152 385	2 225 682	108 504	6 431	34	43 882	3	2
		2003.. 141 941	2 041 640	100 440	N	N	41 501	2	3
		2002.. 131 448	1 920 277	94 755	N	N	36 693	X	X
31491	Textile bag and canvas mills	2005.. 20 156	240 180	13 470	D	34	6 686	4	13
		2004.. 16 445	223 797	12 419	3 602	34	4 026	6	7
		2003.. 12 403	122 175	8 548	N	N	3 855	13	6
		2002.. 13 698	146 956	9 990	N	N	3 708	X	X
31491M	Textile bag and canvas mills	2005.. 20 156	240 180	13 470	D	34	6 686	4	13
		2004.. 16 445	223 797	12 419	3 602	34	4 026	6	7
		2003.. 12 403	122 175	8 548	N	N	3 855	13	6
		2002.. 13 698	146 956	9 990	N	N	3 708	X	X
31499	All other textile product mills.....	2005.. 145 855	2 049 996	100 091	D	—	45 764	2	3
		2004.. 135 940	2 001 885	96 085	2 829	—	39 855	3	2
		2003.. 129 538	1 919 465	91 892	N	N	37 647	2	3
		2002.. 117 750	1 773 321	84 765	N	N	32 985	X	X
314991	Rope, cordage, and twine mills ..	2005.. 11 206	160 651	8 439	—	—	2 767	9	17
		2004.. D	149 863	8 355	D	—	D	8	S
		2003.. 9 872	140 126	8 396	N	N	1 476	3	10
		2002.. 10 048	142 656	8 611	N	N	1 437	X	X
314992	Tire cord and tire fabric mills	2005.. 59 549	933 997	40 402	D	—	19 147	1	1
		2004.. D	1 006 433	41 826	D	—	D	1	S
		2003.. 59 411	1 095 332	42 620	N	N	16 791	1	1
		2002.. 44 097	933 759	33 475	N	N	10 622	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
314	Textile product mills—Con.								
3149	Other textile product mills—Con.								
31499	All other textile product mills—Con.								
314999	All other miscellaneous textile product mills	2005.. 75 100	955 347	51 250	D	—	23 850	5	4
		2004.. 66 645	845 590	45 905	2 068	—	20 740	6	4
		2003.. 60 255	684 007	40 876	N	N	19 379	4	5
		2002.. 63 605	696 906	42 679	N	N	20 926	X	X
315	Apparel manufacturing	2005.. 315 155	3 484 649	188 510	D	143	126 645	2	4
		2004.. 308 641	3 650 806	191 831	S	373	116 810	2	2
		2003.. 297 748	3 007 791	198 012	N	N	99 735	3	1
		2002.. 322 654	3 283 557	209 287	N	N	113 367	X	X
3151	Apparel knitting mills	2005.. 103 756	1 304 594	61 889	—	—	41 867	3	4
		2004.. 95 368	1 258 770	60 494	—	—	34 875	2	3
		2003.. 106 395	1 224 186	72 567	N	N	33 828	4	2
		2002.. 110 816	1 251 813	73 383	N	N	37 433	X	X
31511	Hosiery and sock mills	2005.. 78 803	1 009 357	48 589	—	—	30 214	3	5
		2004.. 71 085	997 704	47 376	—	—	23 709	2	3
		2003.. 79 220	975 769	55 471	N	N	23 749	6	3
		2002.. 75 635	947 161	53 459	N	N	22 176	X	X
31511M	Hosiery and sock mills	2005.. 78 803	1 009 357	48 589	—	—	30 214	3	5
		2004.. 71 085	997 704	47 376	—	—	23 709	2	3
		2003.. 79 220	975 769	55 471	N	N	23 749	6	3
		2002.. 75 635	947 161	53 459	N	N	22 176	X	X
31519	Other apparel knitting mills	2005.. 24 953	295 237	13 300	—	—	11 653	7	8
		2004.. 24 283	261 066	13 117	—	—	11 166	8	8
		2003.. 27 176	248 417	17 096	N	N	10 079	2	4
		2002.. 35 181	304 652	19 924	N	N	15 257	X	X
31519M	Other apparel knitting mills	2005.. 24 953	295 237	13 300	—	—	11 653	7	8
		2004.. 24 283	261 066	13 117	—	—	11 166	8	8
		2003.. 27 176	248 417	17 096	N	N	10 079	2	4
		2002.. 35 181	304 652	19 924	N	N	15 257	X	X
3152	Cut and sew apparel manufacturing ..	2005.. 193 075	1 966 157	114 449	D	143	78 626	3	6
		2004.. 198 129	2 184 644	120 374	S	373	77 755	2	2
		2003.. 174 332	1 622 159	113 790	N	N	60 542	3	2
		2002.. 195 142	1 877 459	124 554	N	N	70 588	X	X
31521	Cut and sew apparel contractors ...	2005.. 70 024	505 511	27 998	S	D	42 026	12	11
		2004.. 70 860	525 249	27 186	S	D	43 674	8	4
		2003.. 43 027	210 686	15 690	N	N	27 338	17	4
		2002.. 61 682	437 774	29 535	N	N	32 147	X	X
31521M	Cut and sew apparel contractors ..	2005.. 70 024	505 511	27 998	S	D	42 026	12	11
		2004.. 70 860	525 249	27 186	S	D	43 674	8	4
		2003.. 43 027	210 686	15 690	N	N	27 338	17	4
		2002.. 61 682	437 774	29 535	N	N	32 147	X	X
31522	Men's and boys' cut and sew apparel manufacturing	2005.. 62 573	716 251	41 119	S	—	21 454	2	1
		2004.. 64 383	797 987	44 499	S	—	19 884	4	1
		2003.. 57 874	605 873	39 259	N	N	18 615	4	3
		2002.. 72 204	822 251	49 607	N	N	22 597	X	X
31522M	Men's and boys' cut and sew apparel manufacturing	2005.. 62 573	716 251	41 119	S	—	21 454	2	1
		2004.. 64 383	797 987	44 499	S	—	19 884	4	1
		2003.. 57 874	605 873	39 259	N	N	18 615	4	3
		2002.. 72 204	822 251	49 607	N	N	22 597	X	X
31523	Women's and girls' cut and sew apparel manufacturing	2005.. 48 981	572 751	36 106	D	D	12 875	3	5
		2004.. 52 351	697 705	40 346	D	D	12 005	2	5
		2003.. 63 579	684 865	50 221	N	N	13 358	5	3
		2002.. 49 504	462 566	35 065	N	N	14 439	X	X
31523M	Women's and girls' cut and sew apparel manufacturing	2005.. 48 981	572 751	36 106	D	D	12 875	3	5
		2004.. 52 351	697 705	40 346	D	D	12 005	2	5
		2003.. 63 579	684 865	50 221	N	N	13 358	5	3
		2002.. 49 504	462 566	35 065	N	N	14 439	X	X
31529	Other cut and sew apparel manufacturing	2005.. 11 497	171 644	9 225	—	—	2 272	4	37
		2004.. 10 535	163 702	8 343	—	—	2 192	3	4
		2003.. 9 851	120 736	8 621	N	N	1 231	5	10
		2002.. 11 752	154 868	10 347	N	N	1 405	X	X
31529M	Other cut and sew apparel manufacturing	2005.. 11 497	171 644	9 225	—	—	2 272	4	37
		2004.. 10 535	163 702	8 343	—	—	2 192	3	4
		2003.. 9 851	120 736	8 621	N	N	1 231	5	10
		2002.. 11 752	154 868	10 347	N	N	1 405	X	X
3159	Apparel accessories and other apparel manufacturing	2005.. 18 325	213 898	12 173	—	—	6 152	7	6
		2004.. 15 144	207 393	10 964	—	—	4 180	8	5
		2003.. 17 021	161 445	11 655	N	N	5 365	2	2
		2002.. 16 696	154 285	11 350	N	N	5 346	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—		
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F	
			Quantity (1,000 kWh)	Cost (\$1,000)						D
		A	B	C	D	E	F	C	F	
315	Apparel manufacturing—Con.									
3159	Apparel accessories and other apparel manufacturing—Con.									
31599	Apparel accessories and other apparel manufacturing.....	2005..	18 325	213 898	12 173	—	—	6 152	7	6
		2004..	15 144	207 393	10 964	—	—	4 180	8	5
		2003..	17 021	161 445	11 655	N	N	5 365	2	2
		2002..	16 696	154 285	11 350	N	N	5 346	X	X
31599M	Apparel accessories and other apparel manufacturing.....	2005..	18 325	213 898	12 173	—	—	6 152	7	6
		2004..	15 144	207 393	10 964	—	—	4 180	8	5
		2003..	17 021	161 445	11 655	N	N	5 365	2	2
		2002..	16 696	154 285	11 350	N	N	5 346	X	X
316	Leather and allied product manufacturing	2005..	87 763	951 904	52 202	16	—	35 561	1	3
		2004..	67 922	801 057	42 879	—	—	25 044	1	3
		2003..	58 452	662 361	38 139	N	N	20 313	2	2
		2002..	58 342	571 013	38 925	N	N	19 417	X	X
3161	Leather and hide tanning and finishing	2005..	54 583	514 720	27 948	—	—	26 635	1	1
		2004..	36 923	367 782	19 508	—	—	17 415	1	1
		2003..	30 531	308 419	16 369	N	N	14 163	2	2
		2002..	30 037	239 372	16 597	N	N	13 440	X	X
31611	Leather and hide tanning and finishing	2005..	54 583	514 720	27 948	—	—	26 635	1	1
		2004..	36 923	367 782	19 508	—	—	17 415	1	1
		2003..	30 531	308 419	16 369	N	N	14 163	2	2
		2002..	30 037	239 372	16 597	N	N	13 440	X	X
316110	Leather and hide tanning and finishing	2005..	54 583	514 720	27 948	—	—	26 635	1	1
		2004..	36 923	367 782	19 508	—	—	17 415	1	1
		2003..	30 531	308 419	16 369	N	N	14 163	2	2
		2002..	30 037	239 372	16 597	N	N	13 440	X	X
3162	Footwear manufacturing	2005..	17 518	252 921	13 959	—	—	3 560	1	2
		2004..	17 075	249 834	13 782	—	—	3 293	1	2
		2003..	15 991	214 874	12 875	N	N	3 116	2	4
		2002..	17 296	214 137	14 052	N	N	3 244	X	X
31621	Footwear manufacturing	2005..	17 518	252 921	13 959	—	—	3 560	1	2
		2004..	17 075	249 834	13 782	—	—	3 293	1	2
		2003..	15 991	214 874	12 875	N	N	3 116	2	4
		2002..	17 296	214 137	14 052	N	N	3 244	X	X
31621M	Footwear manufacturing	2005..	17 518	252 921	13 959	—	—	3 560	1	2
		2004..	17 075	249 834	13 782	—	—	3 293	1	2
		2003..	15 991	214 874	12 875	N	N	3 116	2	4
		2002..	17 296	214 137	14 052	N	N	3 244	X	X
3169	Other leather and allied product manufacturing	2005..	15 662	184 263	10 296	16	—	5 366	4	19
		2004..	13 925	183 440	9 589	—	—	4 336	4	17
		2003..	11 930	139 068	8 895	N	N	3 035	7	4
		2002..	11 009	117 504	8 276	N	N	2 733	X	X
31699	Other leather and allied product manufacturing	2005..	15 662	184 263	10 296	16	—	5 366	4	19
		2004..	13 925	183 440	9 589	—	—	4 336	4	17
		2003..	11 930	139 068	8 895	N	N	3 035	7	4
		2002..	11 009	117 504	8 276	N	N	2 733	X	X
31699M	Other leather and allied product manufacturing	2005..	15 662	184 263	10 296	16	—	5 366	4	19
		2004..	13 925	183 440	9 589	—	—	4 336	4	17
		2003..	11 930	139 068	8 895	N	N	3 035	7	4
		2002..	11 009	117 504	8 276	N	N	2 733	X	X
321	Wood product manufacturing	2005..	2 212 504	27 970 928	1 445 656	1 153 315	728 430	766 848	1	2
		2004..	1 935 182	26 451 798	1 298 963	1 198 126	763 664	636 218	1	2
		2003..	1 808 691	22 939 711	1 231 955	N	N	576 735	3	1
		2002..	1 661 366	21 910 651	1 181 532	N	N	479 834	X	X
3211	Sawmills and wood preservation	2005..	749 008	9 098 744	479 763	1 024 955	726 285	269 245	2	4
		2004..	659 359	8 872 347	440 303	1 048 286	760 445	219 057	2	3
		2003..	615 427	7 336 822	408 274	N	N	207 153	2	3
		2002..	554 445	7 163 587	407 524	N	N	146 921	X	X
32111	Sawmills and wood preservation	2005..	749 008	9 098 744	479 763	1 024 955	726 285	269 245	2	4
		2004..	659 359	8 872 347	440 303	1 048 286	760 445	219 057	2	3
		2003..	615 427	7 336 822	408 274	N	N	207 153	2	3
		2002..	554 445	7 163 587	407 524	N	N	146 921	X	X
32111M	Sawmills and wood preservation	2005..	749 008	9 098 744	479 763	1 024 955	726 285	269 245	2	4
		2004..	659 359	8 872 347	440 303	1 048 286	760 445	219 057	2	3
		2003..	615 427	7 336 822	408 274	N	N	207 153	2	3
		2002..	554 445	7 163 587	407 524	N	N	146 921	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
			A	B	C	D		E	F
321	Wood product manufacturing—Con.								
3212	Veneer, plywood, and engineered wood product manufacturing								
	2005..	856 443	10 571 844	532 313	84 171	D	324 131	2	3
	2004..	735 729	9 783 322	462 472	113 655	D	273 257	1	2
	2003..	689 547	8 983 181	435 753	N	N	253 794	1	1
	2002..	672 487	9 312 043	443 616	N	N	228 871	X	X
32121	Veneer, plywood, and engineered wood product manufacturing								
	2005..	856 443	10 571 844	532 313	84 171	D	324 131	2	3
	2004..	735 729	9 783 322	462 472	113 655	D	273 257	1	2
	2003..	689 547	8 983 181	435 753	N	N	253 794	1	1
	2002..	672 487	9 312 043	443 616	N	N	228 871	X	X
321219	Reconstituted wood product manufacturing								
	2005..	552 502	6 495 188	321 524	D	—	230 978	2	3
	2004..	460 738	5 815 797	268 459	71 784	D	192 279	2	3
	2003..	416 000	5 311 827	250 519	N	N	165 481	1	1
	2002..	398 231	5 456 781	249 109	N	N	149 122	X	X
32121N	Veneer and plywood manufacturing								
	2005..	222 658	3 055 179	157 465	D	D	65 193	2	10
	2004..	209 423	3 067 310	149 408	D	D	60 015	2	6
	2003..	214 671	2 900 993	142 632	N	N	72 039	3	3
	2002..	221 951	3 174 769	156 570	N	N	65 381	X	X
32121P	Engineered wood product manufacturing								
	2005..	81 282	1 021 477	53 323	D	—	27 959	2	4
	2004..	65 568	900 215	44 605	D	75	20 963	2	4
	2003..	58 876	770 361	42 602	N	N	16 274	2	3
	2002..	52 305	680 493	37 937	N	N	14 368	X	X
3219	Other wood product manufacturing ...								
	2005..	607 053	8 300 341	433 581	44 188	D	173 472	4	5
	2004..	540 093	7 796 128	396 189	36 185	D	143 904	4	5
	2003..	503 717	6 619 707	387 928	N	N	115 788	11	2
	2002..	434 434	5 435 021	330 392	N	N	104 042	X	X
32191	Millwork								
	2005..	338 218	4 594 754	247 959	42 785	D	90 260	2	8
	2004..	299 551	4 376 218	227 371	34 772	D	72 180	1	8
	2003..	273 700	3 645 944	214 109	N	N	59 591	3	3
	2002..	245 167	3 288 019	193 974	N	N	51 193	X	X
32191M	Millwork								
	2005..	338 218	4 594 754	247 959	42 785	D	90 260	2	8
	2004..	299 551	4 376 218	227 371	34 772	D	72 180	1	8
	2003..	273 700	3 645 944	214 109	N	N	59 591	3	3
	2002..	245 167	3 288 019	193 974	N	N	51 193	X	X
32192	Wood container and pallet manufacturing								
	2005..	90 400	1 253 902	62 653	A	S	27 747	6	8
	2004..	74 499	989 450	51 203	A	S	23 296	3	8
	2003..	67 458	685 718	45 270	N	N	22 188	3	7
	2002..	66 581	720 466	46 175	N	N	20 406	X	X
321920	Wood container and pallet manufacturing								
	2005..	90 400	1 253 902	62 653	A	S	27 747	6	8
	2004..	74 499	989 450	51 203	A	S	23 296	3	8
	2003..	67 458	685 718	45 270	N	N	22 188	3	7
	2002..	66 581	720 466	46 175	N	N	20 406	X	X
32199	All other wood product manufacturing								
	2005..	178 435	2 451 684	122 969	829	1 273	55 466	11	10
	2004..	166 043	2 430 461	117 615	933	1 327	48 428	13	9
	2003..	162 558	2 288 046	128 549	N	N	34 009	32	3
	2002..	122 686	1 426 536	90 243	N	N	32 443	X	X
321991	Manufactured home (mobile home) manufacturing								
	2005..	32 003	361 207	22 734	—	—	9 269	2	4
	2004..	26 888	366 249	20 425	—	—	6 463	2	2
	2003..	25 920	283 856	19 688	N	N	6 232	2	3
	2002..	28 126	301 727	21 314	N	N	6 812	X	X
321992	Prefabricated wood building manufacturing								
	2005..	23 839	253 420	14 670	—	—	9 169	3	6
	2004..	25 946	351 519	18 516	—	54	7 430	30	5
	2003..	57 565	1 046 473	51 993	N	N	5 571	78	7
	2002..	16 778	162 371	11 170	N	N	5 608	X	X
321999	All other miscellaneous wood product manufacturing								
	2005..	122 593	1 837 057	85 565	829	1 273	37 028	16	15
	2004..	113 209	1 712 693	78 675	933	1 273	34 534	18	12
	2003..	79 073	957 716	56 868	N	N	22 205	2	5
	2002..	77 782	962 438	57 759	N	N	20 023	X	X
322	Paper manufacturing								
	2005..	8 827 711	75 392 573	3 587 636	40 732 232	8 038 771	5 240 075	1	1
	2004..	7 590 885	74 106 850	3 271 757	41 716 005	8 484 296	4 319 128	1	1
	2003..	7 210 921	71 784 333	3 200 879	N	N	4 010 043	1	1
	2002..	6 666 286	71 436 015	3 083 729	N	N	3 582 557	X	X
3221	Pulp, paper, and paperboard mills....								
	2005..	7 235 722	59 815 451	2 700 931	40 486 157	8 023 230	4 534 792	1	1
	2004..	6 216 982	59 091 178	2 449 906	D	D	3 767 076	1	1
	2003..	5 872 682	58 118 412	2 379 844	N	N	3 492 837	1	1
	2002..	5 456 907	58 059 423	2 296 825	N	N	3 160 082	X	X
32211	Pulp mills								
	2005..	351 651	1 912 719	87 348	4 494 180	446 999	264 303	1	2
	2004..	311 681	1 997 907	85 803	D	D	225 878	1	2
	2003..	316 556	2 014 170	86 116	N	N	230 440	2	1
	2002..	271 491	1 916 218	81 889	N	N	189 602	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
322	Paper manufacturing—Con.								
3221	Pulp, paper, and paperboard mills—Con.								
32211	Pulp mills—Con.								
322110	Pulp mills	2005.. 351 651	1 912 719	87 348	4 494 180	446 999	264 303	1	2
		2004.. 311 681	1 997 907	85 803	D	D	225 878	1	2
		2003.. 316 556	2 014 170	86 116	N	N	230 440	2	1
		2002.. 271 491	1 916 218	81 889	N	N	189 602	X	X
32212	Paper mills	2005.. 4 220 823	37 670 517	1 694 036	20 666 323	2 907 567	2 526 787	1	1
		2004.. 3 446 861	36 267 860	1 474 194	20 813 152	2 981 761	1 972 667	1	1
		2003.. 3 226 407	35 921 596	1 440 271	N	N	1 786 137	1	1
		2002.. 3 036 187	35 205 694	1 389 369	N	N	1 646 818	X	X
32212M	Paper and newsprint mills	2005.. 4 220 823	37 670 517	1 694 036	20 666 323	2 907 567	2 526 787	1	1
		2004.. 3 446 861	36 267 860	1 474 194	20 813 152	2 981 761	1 972 667	1	1
		2003.. 3 226 407	35 921 596	1 440 271	N	N	1 786 137	1	1
		2002.. 3 036 187	35 205 694	1 389 369	N	N	1 646 818	X	X
32213	Paperboard mills	2005.. 2 663 248	20 232 215	919 547	15 325 654	4 668 663	1 743 701	1	1
		2004.. 2 458 440	20 825 412	889 909	16 004 434	4 726 582	1 568 531	1	1
		2003.. 2 329 719	20 182 646	853 458	N	N	1 476 261	1	1
		2002.. 2 149 229	20 937 511	825 567	N	N	1 323 662	X	X
322130	Paperboard mills	2005.. 2 663 248	20 232 215	919 547	15 325 654	4 668 663	1 743 701	1	1
		2004.. 2 458 440	20 825 412	889 909	16 004 434	4 726 582	1 568 531	1	1
		2003.. 2 329 719	20 182 646	853 458	N	N	1 476 261	1	1
		2002.. 2 149 229	20 937 511	825 567	N	N	1 323 662	X	X
3222	Converted paper product manufacturing	2005.. 1 591 989	15 577 122	886 705	246 076	15 541	705 283	1	1
		2004.. 1 373 903	15 015 671	821 852	D	D	552 052	1	1
		2003.. 1 338 240	13 665 920	821 035	N	N	517 205	1	1
		2002.. 1 209 379	13 376 592	786 904	N	N	422 475	X	X
32221	Paperboard container manufacturing	2005.. 788 730	7 520 390	441 095	D	D	347 635	1	1
		2004.. 697 720	6 981 641	413 440	D	A	284 280	1	1
		2003.. 685 974	6 427 265	421 131	N	N	264 844	1	2
		2002.. 618 428	6 293 766	403 314	N	N	215 114	X	X
32221M	Paperboard container manufacturing	2005.. 788 730	7 520 390	441 095	D	D	347 635	1	1
		2004.. 697 720	6 981 641	413 440	D	A	284 280	1	1
		2003.. 685 974	6 427 265	421 131	N	N	264 844	1	2
		2002.. 618 428	6 293 766	403 314	N	N	215 114	X	X
32222	Paper bag and coated and treated paper manufacturing	2005.. 391 924	3 491 747	196 793	D	D	195 131	2	2
		2004.. 342 459	3 536 211	183 715	D	D	158 743	2	2
		2003.. 336 473	3 357 645	187 975	N	N	148 498	1	1
		2002.. 306 127	3 268 789	179 140	N	N	126 987	X	X
32222N	Coated and laminated paper and packaging manufacturing	2005.. 301 789	2 527 285	142 880	D	D	158 909	2	2
		2004.. 270 396	2 693 232	138 049	D	D	132 347	2	2
		2003.. 265 485	2 593 770	142 535	N	N	122 950	1	1
		2002.. 240 995	2 512 596	134 365	N	N	106 630	X	X
32222P	Coated, uncoated, and multiwall bag and packaging manufacturing	2005.. 90 135	964 462	53 913	—	D	36 222	2	2
		2004.. 72 063	842 979	45 667	—	—	26 396	3	1
		2003.. 70 987	763 875	45 440	N	N	25 547	3	2
		2002.. 65 132	756 193	44 775	N	N	20 357	X	X
32223	Stationery product manufacturing ..	2005.. 86 396	1 313 118	74 750	79	—	11 646	1	4
		2004.. 83 916	1 361 010	70 997	79	—	12 919	1	3
		2003.. 78 152	1 026 024	67 071	N	N	11 081	1	5
		2002.. 75 379	1 012 653	66 173	N	N	9 206	X	X
32223M	Stationery product manufacturing	2005.. 86 396	1 313 118	74 750	79	—	11 646	1	4
		2004.. 83 916	1 361 010	70 997	79	—	12 919	1	3
		2003.. 78 152	1 026 024	67 071	N	N	11 081	1	5
		2002.. 75 379	1 012 653	66 173	N	N	9 206	X	X
32229	Other converted paper product manufacturing	2005.. 324 939	3 251 867	174 068	D	D	150 871	2	4
		2004.. 249 809	3 136 809	153 699	D	D	96 110	2	3
		2003.. 237 640	2 854 986	144 858	N	N	92 783	1	3
		2002.. 209 445	2 801 384	138 277	N	N	71 168	X	X
322291	Sanitary paper product manufacturing	2005.. 202 312	2 004 082	104 608	D	D	97 704	1	2
		2004.. 151 489	1 958 254	90 539	D	D	60 950	1	3
		2003.. 150 733	1 928 897	87 715	N	N	63 018	1	1
		2002.. 130 318	1 941 703	86 648	N	N	43 670	X	X
322299	All other converted paper product manufacturing	2005.. 122 627	1 247 785	69 460	D	—	53 167	4	10
		2004.. 98 320	1 178 554	63 160	S	—	35 160	3	6
		2003.. 86 907	926 090	57 142	N	N	29 765	2	10
		2002.. 79 127	859 681	51 629	N	N	27 498	X	X

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			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F		
			Quantity (1,000 kWh)	Cost (\$1,000)							
			A	B	C	D		E	F	C	F
323	Printing and related support activities ...	2005..	1 474 398	18 167 389	1 065 516	D	D	408 882	1	1	
		2004..	1 306 979	17 550 015	970 185	25 223	D	D	336 793	1	1
		2003..	1 241 172	15 090 371	937 313	N	N	303 860	1	1	
		2002..	1 178 493	14 733 555	912 231	N	N	266 262	X	X	
3231	Printing and related support activities .	2005..	1 474 398	18 167 389	1 065 516	D	D	408 882	1	1	
		2004..	1 306 979	17 550 015	970 185	25 223	D	D	336 793	1	1
		2003..	1 241 172	15 090 371	937 313	N	N	303 860	1	1	
		2002..	1 178 493	14 733 555	912 231	N	N	266 262	X	X	
32311	Printing	2005..	1 415 445	17 433 610	1 019 248	D	D	396 197	1	1	
		2004..	1 255 047	16 804 067	927 601	25 223	D	D	327 446	1	1
		2003..	1 187 217	14 497 820	895 297	N	N	291 921	1	1	
		2002..	1 126 858	14 132 925	870 045	N	N	256 813	X	X	
32311M	Printing	2005..	1 415 445	17 433 610	1 019 248	D	D	396 197	1	1	
		2004..	1 255 047	16 804 067	927 601	25 223	D	D	327 446	1	1
		2003..	1 187 217	14 497 820	895 297	N	N	291 921	1	1	
		2002..	1 126 858	14 132 925	870 045	N	N	256 813	X	X	
32312	Support activities for printing	2005..	58 952	733 779	46 268	—	—	12 684	6	7	
		2004..	51 932	745 948	42 584	—	—	9 347	3	7	
		2003..	53 955	592 552	42 016	N	N	11 939	4	11	
		2002..	51 635	600 630	42 186	N	N	9 449	X	X	
32312M	Support activities for printing	2005..	58 952	733 779	46 268	—	—	12 684	6	7	
		2004..	51 932	745 948	42 584	—	—	9 347	3	7	
		2003..	53 955	592 552	42 016	N	N	11 939	4	11	
		2002..	51 635	600 630	42 186	N	N	9 449	X	X	
324	Petroleum and coal products manufacturing	2005..	12 246 786	49 166 949	2 871 779	17 159 375	3 765 730	9 375 008	1	1	
		2004..	9 197 155	42 995 525	2 165 665	17 770 105	1 969 747	7 031 490	1	1	
		2003..	8 082 238	39 871 171	1 868 597	N	N	6 213 641	1	1	
		2002..	6 501 131	39 092 574	1 691 657	N	N	4 809 474	X	X	
3241	Petroleum and coal products manufacturing	2005..	12 246 786	49 166 949	2 871 779	17 159 375	3 765 730	9 375 008	1	1	
		2004..	9 197 155	42 995 525	2 165 665	17 770 105	1 969 747	7 031 490	1	1	
		2003..	8 082 238	39 871 171	1 868 597	N	N	6 213 641	1	1	
		2002..	6 501 131	39 092 574	1 691 657	N	N	4 809 474	X	X	
32411	Petroleum refineries	2005..	11 246 126	44 942 831	2 626 760	16 724 578	3 376 035	8 619 366	1	1	
		2004..	8 363 642	38 974 729	1 939 877	17 375 206	1 592 349	6 423 765	1	1	
		2003..	7 394 049	36 712 617	1 668 791	N	N	5 725 258	1	1	
		2002..	5 927 762	35 970 161	1 491 392	N	N	4 436 370	X	X	
324110	Petroleum refineries	2005..	11 246 126	44 942 831	2 626 760	16 724 578	3 376 035	8 619 366	1	1	
		2004..	8 363 642	38 974 729	1 939 877	17 375 206	1 592 349	6 423 765	1	1	
		2003..	7 394 049	36 712 617	1 668 791	N	N	5 725 258	1	1	
		2002..	5 927 762	35 970 161	1 491 392	N	N	4 436 370	X	X	
32412	Asphalt paving, roofing, and saturated materials manufacturing	2005..	802 670	2 730 042	172 009	5 855	474	630 661	1	3	
		2004..	696 820	2 974 992	168 823	3 398	474	527 997	2	2	
		2003..	568 246	2 236 380	148 976	N	N	419 269	2	2	
		2002..	461 203	2 123 386	146 100	N	N	315 103	X	X	
324121	Asphalt paving mixture and block manufacturing	2005..	603 564	1 668 429	106 061	5 855	474	497 503	2	4	
		2004..	542 946	1 986 456	113 397	3 398	474	429 549	3	2	
		2003..	442 850	1 401 391	100 929	N	N	341 921	2	2	
		2002..	356 021	1 347 893	100 032	N	N	255 989	X	X	
324122	Asphalt shingle and coating materials manufacturing	2005..	199 105	1 061 613	65 948	—	—	133 158	2	2	
		2004..	153 874	988 536	55 425	—	—	98 448	2	2	
		2003..	125 396	834 989	48 047	N	N	77 349	1	1	
		2002..	105 182	775 493	46 068	N	N	59 114	X	X	
32419	Other petroleum and coal products manufacturing	2005..	197 990	1 494 077	73 010	428 941	389 221	124 981	6	10	
		2004..	136 694	1 045 804	56 966	391 500	376 923	79 728	1	2	
		2003..	119 944	922 174	50 830	N	N	69 114	1	5	
		2002..	112 166	999 027	54 165	N	N	58 001	X	X	
324191	Petroleum lubricating oil and grease manufacturing	2005..	118 751	826 881	39 127	D	D	79 624	2	2	
		2004..	72 285	505 562	29 471	—	3 720	42 813	2	3	
		2003..	62 337	411 931	25 423	N	N	36 914	2	1	
		2002..	59 923	478 030	27 582	N	N	32 341	X	X	
324199	All other petroleum and coal products manufacturing	2005..	79 239	667 196	33 883	D	D	45 356	12	27	
		2004..	64 409	540 242	27 494	391 500	373 203	36 915	2	3	
		2003..	57 606	510 243	25 407	N	N	32 200	2	12	
		2002..	52 243	520 997	26 583	N	N	25 660	X	X	
325	Chemical manufacturing	2005..	21 209 475	150 623 887	7 725 007	42 679 394	10 103 456	13 484 468	1	1	
		2004..	17 952 362	156 656 926	7 086 957	42 612 383	7 056 974	10 865 405	1	1	
		2003..	16 698 972	158 653 294	7 215 554	N	N	9 483 418	7	1	
		2002..	13 790 785	148 288 050	6 106 849	N	N	7 683 936	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
325	Chemical manufacturing—Con.								
3251	Basic chemical manufacturing	2005.. 12 608 539	87 649 463	4 132 371	22 537 212	6 528 344	8 476 167	1	1
		2004.. 11 040 349	97 000 165	4 051 288	18 961 961	3 788 101	6 989 061	1	1
		2003.. 9 516 763	90 157 579	3 733 234	N	N	5 783 529	1	1
		2002.. 8 130 957	91 331 799	3 347 848	N	N	4 783 109	X	X
32511	Petrochemical manufacturing	2005.. D	6 260 645	D	D	D	2 515 737	S	1
		2004.. D	6 615 199	D	5 259 362	D	2 049 125	S	1
		2003.. 1 945 793	5 158 053	261 659	N	N	1 684 134	1	1
		2002.. 1 374 038	5 365 790	201 304	N	N	1 172 734	X	X
325110	Petrochemical manufacturing	2005.. D	6 260 645	D	D	D	2 515 737	S	1
		2004.. D	6 615 199	D	5 259 362	D	2 049 125	S	1
		2003.. 1 945 793	5 158 053	261 659	N	N	1 684 134	1	1
		2002.. 1 374 038	5 365 790	201 304	N	N	1 172 734	X	X
32512	Industrial gas manufacturing	2005.. 992 832	21 391 679	887 448	D	D	105 384	5	9
		2004.. 1 002 321	22 016 838	887 973	10	—	114 348	3	9
		2003.. 972 900	21 250 856	874 218	N	N	98 682	2	4
		2002.. 871 075	19 288 466	768 284	N	N	102 791	X	X
325120	Industrial gas manufacturing	2005.. 992 832	21 391 679	887 448	D	D	105 384	5	9
		2004.. 1 002 321	22 016 838	887 973	10	—	114 348	3	9
		2003.. 972 900	21 250 856	874 218	N	N	98 682	2	4
		2002.. 871 075	19 288 466	768 284	N	N	102 791	X	X
32513	Synthetic dye and pigment manufacturing	2005.. D	3 479 723	D	D	D	201 125	S	2
		2004.. D	3 264 777	D	D	D	178 356	S	3
		2003.. 301 362	3 066 964	127 783	N	N	173 579	2	3
		2002.. 286 708	3 079 780	127 366	N	N	159 342	X	X
32513M	Synthetic dye and pigment manufacturing	2005.. D	3 479 723	D	D	D	201 125	S	2
		2004.. D	3 264 777	D	D	D	178 356	S	3
		2003.. 301 362	3 066 964	127 783	N	N	173 579	2	3
		2002.. 286 708	3 079 780	127 366	N	N	159 342	X	X
32518	Other basic inorganic chemical manufacturing	2005.. 3 053 809	31 197 343	1 404 460	D	4 716 556	1 649 349	1	1
		2004.. 2 527 209	32 330 069	1 249 877	D	1 421 242	1 277 332	1	1
		2003.. 2 101 272	33 527 610	1 258 417	N	N	842 855	1	1
		2002.. 1 963 915	38 019 124	1 233 045	N	N	730 870	X	X
325181	Alkalies and chlorine manufacturing	2005.. 1 618 993	11 819 813	566 892	9 394 510	4 283 658	1 052 100	2	1
		2004.. D	13 916 120	D	5 802 402	D	818 183	S	1
		2003.. 847 644	14 163 203	428 903	N	N	418 741	1	1
		2002.. 731 954	12 054 470	394 280	N	N	337 674	X	X
325182	Carbon black manufacturing	2005.. 93 116	673 391	39 423	D	D	53 693	3	5
		2004.. D	704 810	D	7 379	—	46 759	S	1
		2003.. 61 978	704 877	37 480	N	N	24 499	3	4
		2002.. 48 084	607 970	30 480	N	N	17 604	X	X
325188	All other basic inorganic chemical manufacturing	2005.. 1 341 700	18 704 139	798 144	278 024	D	543 556	1	2
		2004.. 1 166 599	17 709 139	754 208	D	D	412 391	1	1
		2003.. 1 191 649	18 659 530	792 035	N	N	399 615	1	3
		2002.. 1 183 877	25 356 684	808 285	N	N	375 592	X	X
32519	Other basic organic chemical manufacturing	2005.. 5 298 265	25 320 073	1 293 693	7 650 652	D	4 004 572	1	1
		2004.. 4 801 655	32 773 282	1 431 755	7 252 176	1 904 023	3 369 900	1	1
		2003.. 4 195 437	27 154 096	1 211 158	N	N	2 984 279	3	1
		2002.. 3 635 221	25 578 639	1 017 849	N	N	2 617 372	X	X
32519M	Other basic organic chemical manufacturing	2005.. 5 298 265	25 320 073	1 293 693	7 650 652	D	4 004 572	1	1
		2004.. 4 801 655	32 773 282	1 431 755	7 252 176	1 904 023	3 369 900	1	1
		2003.. 4 195 437	27 154 096	1 211 158	N	N	2 984 279	3	1
		2002.. 3 635 221	25 578 639	1 017 849	N	N	2 617 372	X	X
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	2005.. 4 903 650	30 867 643	1 790 893	14 333 305	2 106 504	3 112 758	1	1
		2004.. 3 671 588	28 270 474	1 410 819	18 094 012	D	2 260 769	1	1
		2003.. 3 441 420	27 036 961	1 321 834	N	N	2 119 586	1	1
		2002.. 2 751 437	28 430 928	1 183 101	N	N	1 568 336	X	X
32521	Resin and synthetic rubber manufacturing	2005.. 4 331 301	26 283 272	1 584 163	13 535 885	1 940 962	2 747 139	1	1
		2004.. 3 209 363	23 732 911	1 220 689	16 994 999	1 606 783	1 988 674	1	1
		2003.. 3 027 865	22 529 028	1 137 427	N	N	1 890 438	1	1
		2002.. 2 377 447	23 886 035	1 003 159	N	N	1 374 288	X	X
325211	Plastics material and resin manufacturing	2005.. 3 951 018	24 554 686	1 478 357	D	D	2 472 661	1	1
		2004.. 2 890 528	21 743 070	1 122 104	D	D	1 768 424	1	1
		2003.. 2 684 697	20 033 275	1 013 202	N	N	1 671 495	1	1
		2002.. 2 131 858	21 999 594	913 586	N	N	1 218 272	X	X
325212	Synthetic rubber manufacturing ..	2005.. 380 284	1 728 586	105 806	D	D	274 477	1	1
		2004.. 318 834	1 989 841	98 585	D	D	220 250	1	1
		2003.. 343 168	2 495 753	124 224	N	N	218 944	1	2
		2002.. 245 589	1 886 441	89 573	N	N	156 016	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
A	B	C	D	E	F	C	F		
325	Chemical manufacturing—Con.								
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing—Con.								
32522	Artificial and synthetic fibers and filaments manufacturing	2005.. 572 349	4 584 371	206 730	797 420	165 541	365 619	2	1
		2004.. 462 225	4 537 563	190 131	1 099 013	D	272 094	1	1
		2003.. 413 555	4 507 933	184 408	N	N	229 148	1	1
		2002.. 373 990	4 544 893	179 942	N	N	194 048	X	X
32522M	Artificial and synthetic fibers and filaments manufacturing	2005.. 572 349	4 584 371	206 730	797 420	165 541	365 619	2	1
		2004.. 462 225	4 537 563	190 131	1 099 013	D	272 094	1	1
		2003.. 413 555	4 507 933	184 408	N	N	229 148	1	1
		2002.. 373 990	4 544 893	179 942	N	N	194 048	X	X
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2005.. 909 623	7 038 381	348 133	3 011 240	944 241	561 490	1	1
		2004.. 858 121	7 172 059	333 559	2 779 795	1 070 832	524 562	1	1
		2003.. 871 598	6 866 965	320 444	N	N	551 154	1	4
		2002.. 778 246	6 384 486	280 808	N	N	497 438	X	X
32531	Fertilizer manufacturing	2005.. 751 482	5 692 527	276 160	3 011 240	944 241	475 322	1	1
		2004.. 728 211	5 882 792	268 723	2 779 795	1 070 832	459 488	1	1
		2003.. 754 896	5 737 757	260 678	N	N	494 218	1	4
		2002.. 687 859	5 278 740	228 694	N	N	459 165	X	X
325311	Nitrogenous fertilizer manufacturing	2005.. 524 981	3 327 442	155 433	D	—	369 548	2	2
		2004.. 522 463	3 482 899	151 127	D	D	371 336	1	2
		2003.. 582 066	3 550 406	154 405	N	N	427 662	1	5
		2002.. 524 907	3 222 610	130 200	N	N	394 707	X	X
325312	Phosphatic fertilizer manufacturing	2005.. 182 946	1 988 128	99 890	D	944 241	83 056	1	1
		2004.. 166 339	2 019 462	97 405	D	D	68 934	1	1
		2003.. 143 009	1 902 704	89 355	N	N	53 654	1	1
		2002.. 134 748	1 790 373	83 035	N	N	51 713	X	X
325314	Fertilizer (mixing only) manufacturing	2005.. 43 555	376 956	20 837	—	—	22 718	3	5
		2004.. 39 409	380 431	20 191	—	—	19 218	3	5
		2003.. 29 820	284 647	16 919	N	N	12 902	7	12
		2002.. 28 204	265 757	15 459	N	N	12 745	X	X
32532	Pesticide and other agricultural chemical manufacturing	2005.. 158 141	1 345 855	71 973	—	—	86 168	5	3
		2004.. 129 910	1 289 268	64 836	—	—	65 074	5	3
		2003.. 116 703	1 129 209	59 766	N	N	56 937	1	3
		2002.. 90 387	1 105 746	52 114	N	N	38 273	X	X
325320	Pesticide and other agricultural chemical manufacturing	2005.. 158 141	1 345 855	71 973	—	—	86 168	5	3
		2004.. 129 910	1 289 268	64 836	—	—	65 074	5	3
		2003.. 116 703	1 129 209	59 766	N	N	56 937	1	3
		2002.. 90 387	1 105 746	52 114	N	N	38 273	X	X
3254	Pharmaceutical and medicine manufacturing	2005.. 1 196 288	11 235 699	674 157	1 305 204	246 557	522 132	3	1
		2004.. 1 046 389	10 859 675	594 335	1 229 027	D	452 054	3	2
		2003.. 1 530 495	22 596 826	1 120 965	N	N	409 530	45	7
		2002.. 925 061	10 289 308	602 947	N	N	322 114	X	X
32541	Pharmaceutical and medicine manufacturing	2005.. 1 196 288	11 235 699	674 157	1 305 204	246 557	522 132	3	1
		2004.. 1 046 389	10 859 675	594 335	1 229 027	D	452 054	3	2
		2003.. 1 530 495	22 596 826	1 120 965	N	N	409 530	45	7
		2002.. 925 061	10 289 308	602 947	N	N	322 114	X	X
325411	Medicinal and botanical manufacturing	2005.. 218 222	1 665 573	88 774	D	D	129 447	1	2
		2004.. 192 419	1 604 711	85 208	D	D	107 210	2	1
		2003.. 177 934	1 471 025	82 273	N	N	95 660	3	1
		2002.. 155 940	1 386 222	79 782	N	N	76 158	X	X
325412	Pharmaceutical preparation manufacturing	2005.. 823 145	7 907 963	479 449	888 510	D	343 696	5	2
		2004.. 717 130	7 688 435	412 064	D	D	305 066	4	2
		2003.. 1 223 903	19 729 320	946 164	N	N	277 738	54	10
		2002.. 614 075	6 678 491	401 883	N	N	212 192	X	X
325413	In-vitro diagnostic substance manufacturing	2005.. 59 106	667 412	46 883	25	—	12 222	1	2
		2004.. 52 971	645 925	43 081	25	—	9 890	1	2
		2003.. 48 722	547 463	39 609	N	N	9 113	4	1
		2002.. 75 048	1 144 364	66 319	N	N	8 729	X	X
325414	Biological product (except diagnostic) manufacturing	2005.. 95 816	994 751	59 050	D	—	36 765	3	2
		2004.. 83 870	920 603	53 982	D	—	29 888	3	2
		2003.. 79 936	849 018	52 917	N	N	27 019	1	2
		2002.. 79 998	1 080 231	54 963	N	N	25 035	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
325	Chemical manufacturing—Con.								
3255	Paint, coating, and adhesive manufacturing	2005.. 284 111	2 789 775	165 009	2 056	D	119 102	2	2
		2004.. 239 698	2 709 992	146 958	438	S	92 740	1	2
		2003.. 252 159	2 639 088	160 507	N	N	91 652	2	3
		2002.. 228 361	2 492 744	153 863	N	N	74 498	X	X
32551	Paint and coating manufacturing ...	2005.. 168 083	1 685 720	100 881	1 674	D	67 202	1	2
		2004.. 141 764	1 652 752	88 601	—	S	53 164	1	1
		2003.. 150 008	1 698 401	100 279	N	N	49 729	1	2
		2002.. 145 191	1 672 307	101 910	N	N	43 281	X	X
325510	Paint and coating manufacturing ..	2005.. 168 083	1 685 720	100 881	1 674	D	67 202	1	2
		2004.. 141 764	1 652 752	88 601	—	S	53 164	1	1
		2003.. 150 008	1 698 401	100 279	N	N	49 729	1	2
		2002.. 145 191	1 672 307	101 910	N	N	43 281	X	X
32552	Adhesive manufacturing	2005.. 116 028	1 104 056	64 128	382	D	51 900	5	5
		2004.. 97 934	1 057 240	58 357	438	—	39 577	1	3
		2003.. 102 151	940 687	60 228	N	N	41 923	5	6
		2002.. 83 170	820 437	51 953	N	N	31 217	X	X
325520	Adhesive manufacturing	2005.. 116 028	1 104 056	64 128	382	D	51 900	5	5
		2004.. 97 934	1 057 240	58 357	438	—	39 577	1	3
		2003.. 102 151	940 687	60 228	N	N	41 923	5	6
		2002.. 83 170	820 437	51 953	N	N	31 217	X	X
3256	Soap, cleaning compound, and toilet preparation manufacturing	2005.. 586 615	4 314 336	248 323	D	D	338 292	1	1
		2004.. 477 464	4 174 848	220 058	D	D	257 406	2	1
		2003.. 464 250	3 671 999	220 863	N	N	243 387	2	1
		2002.. 410 645	3 734 744	224 617	N	N	186 028	X	X
32561	Soap and cleaning compound manufacturing	2005.. 441 648	2 757 517	145 429	D	D	296 219	1	1
		2004.. 362 305	2 792 920	135 578	D	D	226 728	1	1
		2003.. 333 402	2 170 961	126 442	N	N	206 960	2	1
		2002.. 294 236	2 491 623	139 666	N	N	154 570	X	X
32561M	Soap and cleaning compound manufacturing	2005.. 441 648	2 757 517	145 429	D	D	296 219	1	1
		2004.. 362 305	2 792 920	135 578	D	D	226 728	1	1
		2003.. 333 402	2 170 961	126 442	N	N	206 960	2	1
		2002.. 294 236	2 491 623	139 666	N	N	154 570	X	X
32562	Toilet preparation manufacturing ...	2005.. 144 967	1 556 820	102 895	D	D	42 073	3	4
		2004.. 115 159	1 381 928	84 480	D	D	30 678	4	6
		2003.. 130 848	1 501 038	94 422	N	N	36 427	4	4
		2002.. 116 409	1 243 121	84 951	N	N	31 458	X	X
325620	Toilet preparation manufacturing ..	2005.. 144 967	1 556 820	102 895	D	D	42 073	3	4
		2004.. 115 159	1 381 928	84 480	D	D	30 678	4	6
		2003.. 130 848	1 501 038	94 422	N	N	36 427	4	4
		2002.. 116 409	1 243 121	84 951	N	N	31 458	X	X
3259	Other chemical product and preparation manufacturing	2005.. 720 648	6 728 588	366 121	D	D	354 527	1	1
		2004.. 618 752	6 469 713	329 940	D	D	288 813	1	1
		2003.. 622 286	5 683 876	337 706	N	N	284 580	1	1
		2002.. 566 078	5 624 041	313 665	N	N	252 413	X	X
32591	Printing ink manufacturing	2005.. 35 149	423 965	24 450	—	771	10 699	2	2
		2004.. 33 142	419 764	23 305	—	771	9 836	2	2
		2003.. 25 684	289 573	20 095	N	N	5 589	4	13
		2002.. 27 645	285 623	20 571	N	N	7 074	X	X
325910	Printing ink manufacturing	2005.. 35 149	423 965	24 450	—	771	10 699	2	2
		2004.. 33 142	419 764	23 305	—	771	9 836	2	2
		2003.. 25 684	289 573	20 095	N	N	5 589	4	13
		2002.. 27 645	285 623	20 571	N	N	7 074	X	X
32592	Explosives manufacturing	2005.. 20 140	184 679	8 233	D	D	11 906	2	2
		2004.. 19 466	297 395	10 318	D	D	9 148	12	3
		2003.. 17 227	165 823	8 290	N	N	8 936	4	7
		2002.. 15 272	165 511	8 330	N	N	6 942	X	X
325920	Explosives manufacturing	2005.. 20 140	184 679	8 233	D	D	11 906	2	2
		2004.. 19 466	297 395	10 318	D	D	9 148	12	3
		2003.. 17 227	165 823	8 290	N	N	8 936	4	7
		2002.. 15 272	165 511	8 330	N	N	6 942	X	X
32599	All other chemical product and preparation manufacturing	2005.. 665 359	6 119 944	333 438	D	D	331 921	1	1
		2004.. 566 145	5 752 554	296 317	D	D	269 828	1	1
		2003.. 579 375	5 228 480	309 321	N	N	270 055	1	1
		2002.. 523 161	5 172 907	284 764	N	N	238 397	X	X
325991	Custom compounding of purchased resins	2005.. 182 442	2 530 641	143 824	—	212	38 619	2	3
		2004.. 161 378	2 480 698	129 232	—	212	32 146	2	4
		2003.. 159 490	2 026 485	126 553	N	N	32 937	1	1
		2002.. 146 752	2 055 774	118 185	N	N	28 567	X	X
32599N	All other miscellaneous chemical product and preparation manufacturing (including photographic)	2005.. 482 917	3 589 303	189 614	D	D	293 303	2	2
		2004.. 404 767	3 271 856	167 085	D	D	237 682	2	1
		2003.. 419 886	3 201 995	182 768	N	N	237 118	1	1
		2002.. 376 409	3 117 133	166 579	N	N	209 830	X	X

See footnotes at end of table.

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NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—		
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F	
			Quantity (1,000 kWh)	Cost (\$1,000)						
		A	B	C	D	E	F	C	F	
326	Plastics and rubber products manufacturing	2005..	4 638 616	65 632 847	3 491 260	212 630	D	1 147 356	1	1
		2004..	4 138 125	63 475 154	3 178 278	660 245	12 875	959 847	1	1
		2003..	3 984 223	55 583 713	3 094 190	N	N	890 032	1	1
		2002..	3 750 735	54 073 589	2 999 893	N	N	750 842	X	X
3261	Plastics product manufacturing	2005..	3 803 319	55 451 830	3 007 254	167 037	D	796 065	1	1
		2004..	3 394 485	52 957 594	2 718 659	N	D	675 827	1	1
		2003..	3 261 734	46 113 539	2 632 744	N	N	628 990	1	2
		2002..	3 074 767	44 726 607	2 546 729	N	N	528 038	X	X
32611	Unsupported plastics film, sheet, and bag manufacturing	2005..	862 311	11 905 261	622 171	42 720	D	240 139	1	2
		2004..	752 022	11 631 249	567 397	N	D	184 625	1	1
		2003..	734 809	10 690 845	559 833	N	N	174 975	1	2
		2002..	684 884	10 119 394	535 559	N	N	149 325	X	X
326111	Plastics bag manufacturing	2005..	183 084	2 887 677	159 850	N	D	23 234	2	4
		2004..	158 729	2 765 407	139 284	8 833	86	19 446	2	5
		2003..	157 510	2 671 482	137 811	N	N	19 698	1	6
		2002..	150 517	2 446 951	132 876	N	N	17 641	X	X
326112	Plastics packaging film and sheet (including laminated) manufacturing	2005..	172 693	2 254 637	120 084	3 882	—	52 609	1	1
		2004..	148 058	2 118 658	105 820	4 043	—	42 238	1	2
		2003..	143 773	1 946 638	105 063	N	N	38 709	1	4
		2002..	138 729	1 996 171	105 095	N	N	33 634	X	X
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2005..	506 534	6 762 947	342 238	N	D	164 297	2	3
		2004..	445 235	6 747 183	322 294	N	D	122 942	2	1
		2003..	433 527	6 072 725	316 959	N	N	116 568	2	2
		2002..	395 638	5 676 272	297 588	N	N	98 050	X	X
32612	Plastics pipe, pipe fitting, and unsupported profile shape manufacturing	2005..	336 755	5 184 605	294 069	N	D	42 686	2	3
		2004..	298 773	4 917 254	261 351	59	D	37 422	1	5
		2003..	277 947	4 006 072	242 808	N	N	35 139	1	6
		2002..	263 509	4 058 653	235 504	N	N	28 005	X	X
326121	Unsupported plastics profile shape manufacturing	2005..	165 405	2 228 025	131 063	—	—	34 343	2	3
		2004..	154 299	2 227 336	123 477	—	D	30 821	1	6
		2003..	145 891	1 789 120	117 974	N	N	27 916	2	7
		2002..	135 991	1 922 511	115 430	N	N	20 561	X	X
326122	Plastics pipe and pipe fitting manufacturing	2005..	171 350	2 956 581	163 006	N	D	8 343	2	8
		2004..	144 474	2 689 918	137 873	59	—	6 601	2	10
		2003..	132 056	2 216 952	124 833	N	N	7 223	1	7
		2002..	127 518	2 136 142	120 074	N	N	7 444	X	X
32613	Laminated plastics plate, sheet, and shape manufacturing	2005..	69 193	592 709	32 367	15	34	36 825	3	4
		2004..	62 612	603 620	31 918	15	34	30 694	2	3
		2003..	62 132	582 516	32 933	N	N	29 199	1	1
		2002..	55 500	500 860	30 341	N	N	25 159	X	X
326130	Laminated plastics plate, sheet, and shape manufacturing	2005..	69 193	592 709	32 367	15	34	36 825	3	4
		2004..	62 612	603 620	31 918	15	34	30 694	2	3
		2003..	62 132	582 516	32 933	N	N	29 199	1	1
		2002..	55 500	500 860	30 341	N	N	25 159	X	X
32614	Polystyrene foam product manufacturing	2005..	257 449	2 653 703	152 619	9 895	S	104 830	9	3
		2004..	226 219	2 435 524	134 215	9 895	S	92 004	8	3
		2003..	203 837	2 053 942	118 694	N	N	85 143	5	9
		2002..	191 046	2 002 791	116 487	N	N	74 559	X	X
326140	Polystyrene foam product manufacturing	2005..	257 449	2 653 703	152 619	9 895	S	104 830	9	3
		2004..	226 219	2 435 524	134 215	9 895	S	92 004	8	3
		2003..	203 837	2 053 942	118 694	N	N	85 143	5	9
		2002..	191 046	2 002 791	116 487	N	N	74 559	X	X
32615	Urethane and other foam product (except polystyrene) manufacturing	2005..	117 511	1 259 875	77 005	N	D	40 506	6	4
		2004..	100 115	1 210 781	66 636	N	D	33 479	4	2
		2003..	85 347	892 141	55 029	N	N	30 318	3	7
		2002..	82 423	924 036	56 893	N	N	25 530	X	X
326150	Urethane and other foam product (except polystyrene) manufacturing	2005..	117 511	1 259 875	77 005	N	D	40 506	6	4
		2004..	100 115	1 210 781	66 636	N	D	33 479	4	2
		2003..	85 347	892 141	55 029	N	N	30 318	3	7
		2002..	82 423	924 036	56 893	N	N	25 530	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
			A	B	C	D		E	F
326	Plastics and rubber products manufacturing—Con.								
3261	Plastics product manufacturing—Con.								
32616	Plastics bottle manufacturing	2005.. 359 551	6 184 652	343 009	8 355	139	16 542	1	2
		2004.. 319 498	5 880 036	304 775	3 462	209	14 723	1	2
		2003.. 325 346	5 466 864	310 375	N	N	14 971	1	2
		2002.. 316 353	5 441 959	301 913	N	N	14 440	X	X
326160	Plastics bottle manufacturing	2005.. 359 551	6 184 652	343 009	8 355	139	16 542	1	2
		2004.. 319 498	5 880 036	304 775	3 462	209	14 723	1	2
		2003.. 325 346	5 466 864	310 375	N	N	14 971	1	2
		2002.. 316 353	5 441 959	301 913	N	N	14 440	X	X
32619	Other plastics product manufacturing	2005.. 1 800 550	27 671 025	1 486 014	105 661	D	314 536	3	3
		2004.. 1 635 246	26 279 131	1 352 367	D	S	282 879	3	3
		2003.. 1 572 315	22 421 158	1 313 072	N	N	259 244	1	2
		2002.. 1 481 052	21 678 914	1 270 032	N	N	211 020	X	X
32619M	Other plastics product manufacturing	2005.. 1 800 550	27 671 025	1 486 014	105 661	D	314 536	3	3
		2004.. 1 635 246	26 279 131	1 352 367	D	S	282 879	3	3
		2003.. 1 572 315	22 421 158	1 313 072	N	N	259 244	1	2
		2002.. 1 481 052	21 678 914	1 270 032	N	N	211 020	X	X
3262	Rubber product manufacturing	2005.. 835 297	10 181 017	484 006	45 593	—	351 291	1	2
		2004.. 743 640	10 517 561	459 620	D	D	284 020	1	1
		2003.. 722 489	9 470 174	461 446	N	N	261 043	1	1
		2002.. 675 968	9 346 982	453 164	N	N	222 804	X	X
32621	Tire manufacturing	2005.. 423 217	5 187 287	226 900	D	—	196 317	1	1
		2004.. 377 688	5 387 451	213 628	D	D	164 060	1	1
		2003.. 362 591	5 079 180	210 852	N	N	151 739	1	1
		2002.. 331 220	5 080 689	205 114	N	N	126 106	X	X
32621M	Tire manufacturing	2005.. 423 217	5 187 287	226 900	D	—	196 317	1	1
		2004.. 377 688	5 387 451	213 628	D	D	164 060	1	1
		2003.. 362 591	5 079 180	210 852	N	N	151 739	1	1
		2002.. 331 220	5 080 689	205 114	N	N	126 106	X	X
32622	Rubber and plastics hoses and belting manufacturing	2005.. 94 502	1 028 013	55 059	—	—	39 443	2	3
		2004.. 85 107	1 092 664	53 534	—	—	31 574	2	3
		2003.. 82 378	965 795	53 444	N	N	28 934	2	2
		2002.. 74 706	945 421	51 095	N	N	23 611	X	X
326220	Rubber and plastics hoses and belting manufacturing	2005.. 94 502	1 028 013	55 059	—	—	39 443	2	3
		2004.. 85 107	1 092 664	53 534	—	—	31 574	2	3
		2003.. 82 378	965 795	53 444	N	N	28 934	2	2
		2002.. 74 706	945 421	51 095	N	N	23 611	X	X
32629	Other rubber product manufacturing	2005.. 317 578	3 965 716	202 047	D	—	115 531	3	5
		2004.. 280 844	4 037 446	192 458	—	—	88 386	2	3
		2003.. 277 520	3 425 199	197 150	N	N	80 369	2	3
		2002.. 270 042	3 320 872	196 955	N	N	73 087	X	X
32629M	Other rubber product manufacturing	2005.. 317 578	3 965 716	202 047	D	—	115 531	3	5
		2004.. 280 844	4 037 446	192 458	—	—	88 386	2	3
		2003.. 277 520	3 425 199	197 150	N	N	80 369	2	3
		2002.. 270 042	3 320 872	196 955	N	N	73 087	X	X
327	Nonmetallic mineral product manufacturing	2005.. 6 817 039	46 389 650	2 435 740	415 600	16 431	4 381 298	1	1
		2004.. 5 581 812	44 536 945	2 193 533	D	15 463	3 388 279	1	1
		2003.. 5 074 145	40 949 197	2 054 294	N	N	3 019 851	1	1
		2002.. 4 667 914	40 788 110	1 988 375	N	N	2 679 539	X	X
3271	Clay product and refractory manufacturing	2005.. 714 483	3 325 048	177 522	D	D	536 961	2	3
		2004.. 577 758	3 310 442	166 467	54 831	—	411 291	1	2
		2003.. 563 508	2 955 413	168 413	N	N	395 095	1	2
		2002.. 514 518	2 962 968	167 858	N	N	346 660	X	X
32711	Pottery, ceramics, and plumbing fixture manufacturing	2005.. 153 620	937 108	52 784	5 179	—	100 835	3	4
		2004.. 139 009	978 659	52 407	53 333	—	86 602	3	3
		2003.. 135 753	911 642	53 306	N	N	82 447	1	1
		2002.. 138 334	980 103	56 919	N	N	81 415	X	X
327111	Vitreous china plumbing fixture and china and earthenware bathroom accessories manufacturing	2005.. D	257 712	D	—	—	44 146	S	4
		2004.. 49 470	245 219	11 831	D	—	37 639	4	3
		2003.. 45 549	232 211	11 007	N	N	34 542	2	2
		2002.. 46 810	252 791	12 235	N	N	34 575	X	X
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	2005.. D	265 426	D	D	—	29 295	S	10
		2004.. 44 044	266 065	15 272	D	—	28 772	4	7
		2003.. 40 919	246 175	15 763	N	N	25 156	3	3
		2002.. 41 154	249 552	15 751	N	N	25 403	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
327	Nonmetallic mineral product manufacturing—Con.								
3271	Clay product and refractory manufacturing—Con.								
32711	Pottery, ceramics, and plumbing fixture manufacturing—Con.								
327113	Porcelain electrical supply manufacturing	2005.. 52 890	413 969	25 495	D	—	27 395	6	8
		2004.. 45 495	467 374	25 304	D	—	20 191	4	3
		2003.. 49 285	433 255	26 536	N	N	22 749	2	1
		2002.. 50 370	477 760	28 933	N	N	21 437	X	X
32712	Clay building material and refractories manufacturing	2005.. 560 863	2 387 940	124 737	D	D	436 126	2	3
		2004.. 438 749	2 331 783	114 061	1 498	—	324 689	1	2
		2003.. 427 755	2 043 771	115 107	N	N	312 648	2	3
		2002.. 376 184	1 982 865	110 939	N	N	265 245	X	X
327121	Brick and structural clay tile manufacturing	2005.. 353 548	1 223 008	61 610	43	—	291 938	3	4
		2004.. 269 599	1 160 666	54 699	30	—	214 899	2	3
		2003.. 250 081	937 614	50 943	N	N	199 139	3	2
		2002.. 221 586	884 472	50 218	N	N	171 368	X	X
327122	Ceramic wall and floor tile manufacturing	2005.. 76 712	369 459	20 504	—	—	56 208	1	4
		2004.. 62 971	370 970	19 965	—	—	43 006	1	4
		2003.. 66 372	427 316	23 937	N	N	42 435	1	2
		2002.. 60 637	426 217	23 035	N	N	37 602	X	X
327123	Other structural clay product manufacturing	2005.. 21 568	72 764	4 949	—	—	16 619	1	1
		2004.. 18 366	74 734	4 840	—	—	13 526	2	2
		2003.. 19 129	63 439	5 282	N	N	13 847	1	1
		2002.. 18 836	61 146	4 980	N	N	13 856	X	X
32712N	Refractory manufacturing	2005.. 109 035	722 708	37 674	D	D	71 361	2	4
		2004.. 87 814	725 413	34 557	1 468	—	53 258	2	3
		2003.. 92 173	615 401	34 946	N	N	57 227	4	12
		2002.. 75 125	611 030	32 706	N	N	42 419	X	X
3272	Glass and glass product manufacturing	2005.. 1 933 437	12 625 556	673 361	D	D	1 260 076	1	1
		2004.. 1 594 846	12 671 706	630 218	D	D	964 628	1	1
		2003.. 1 475 877	13 041 632	616 492	N	N	859 385	1	1
		2002.. 1 338 568	12 841 219	589 212	N	N	749 356	X	X
32721	Glass and glass product manufacturing	2005.. 1 933 437	12 625 556	673 361	D	D	1 260 076	1	1
		2004.. 1 594 846	12 671 706	630 218	D	D	964 628	1	1
		2003.. 1 475 877	13 041 632	616 492	N	N	859 385	1	1
		2002.. 1 338 568	12 841 219	589 212	N	N	749 356	X	X
327211	Flat glass manufacturing	2005.. 565 719	2 016 579	122 111	—	—	443 608	1	1
		2004.. 443 334	1 937 440	111 974	—	—	331 360	1	1
		2003.. 352 879	2 394 406	101 338	N	N	251 541	1	2
		2002.. 325 010	2 261 557	94 601	N	N	230 409	X	X
327212	Other pressed and blown glass and glassware manufacturing ..	2005.. 473 957	2 990 594	149 519	D	D	324 438	2	3
		2004.. 376 352	3 287 485	145 849	D	D	230 503	2	4
		2003.. 376 370	3 456 153	157 576	N	N	218 795	1	1
		2002.. 361 467	3 603 762	158 972	N	N	202 495	X	X
327213	Glass container manufacturing ..	2005.. 621 044	3 809 568	201 888	—	—	419 156	2	2
		2004.. 526 920	3 912 886	188 072	—	—	338 848	2	2
		2003.. 511 204	3 944 297	185 411	N	N	325 793	1	2
		2002.. 434 738	3 970 966	177 053	N	N	257 685	X	X
327215	Glass product manufacturing made of purchased glass	2005.. 272 718	3 808 815	199 843	—	—	72 875	1	4
		2004.. 248 239	3 533 895	184 322	—	—	63 917	1	4
		2003.. 235 424	3 246 775	172 167	N	N	63 257	1	2
		2002.. 217 353	3 004 934	158 586	N	N	58 767	X	X
3273	Cement and concrete product manufacturing	2005.. 2 135 601	19 053 559	990 547	380 698	D	1 145 054	1	1
		2004.. 1 824 442	17 961 376	886 519	D	10 498	937 923	1	1
		2003.. 1 646 621	15 521 503	799 739	N	N	846 882	2	1
		2002.. 1 592 528	15 410 002	766 170	N	N	826 358	X	X
32731	Cement manufacturing	2005.. 1 425 637	14 092 647	703 827	379 864	D	721 810	1	1
		2004.. 1 257 087	13 326 663	630 914	D	D	626 173	1	1
		2003.. 1 160 479	12 543 398	590 178	N	N	570 301	1	1
		2002.. 1 114 897	12 286 667	548 957	N	N	565 940	X	X
327310	Cement manufacturing	2005.. 1 425 637	14 092 647	703 827	379 864	D	721 810	1	1
		2004.. 1 257 087	13 326 663	630 914	D	D	626 173	1	1
		2003.. 1 160 479	12 543 398	590 178	N	N	570 301	1	1
		2002.. 1 114 897	12 286 667	548 957	N	N	565 940	X	X
32732	Ready-mix concrete manufacturing.	2005.. 420 303	2 342 422	131 655	D	10	288 648	3	4
		2004.. 324 181	2 290 476	120 322	S	D	203 859	7	4
		2003.. 284 926	1 566 630	109 542	N	N	175 384	2	3
		2002.. 264 862	1 426 917	100 663	N	N	164 199	X	X

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			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
327	Nonmetallic mineral product manufacturing—Con.								
3273	Cement and concrete product manufacturing—Con.								
32732	Ready-mix concrete manufacturing—Con.								
327320	Ready-mix concrete manufacturing	2005.. 420 303	2 342 422	131 655	D	10	288 648	3	4
		2004.. 324 181	2 290 476	120 322	S	D	203 859	7	4
		2003.. 284 926	1 566 630	109 542	N	N	175 384	2	3
		2002.. 264 862	1 426 917	100 663	N	N	164 199	X	X
32733	Concrete pipe, brick, and block manufacturing	2005.. 137 528	1 167 656	69 779	573	—	67 748	2	3
		2004.. 114 205	1 091 227	61 959	573	—	52 246	2	3
		2003.. 81 932	508 665	38 345	N	N	43 588	40	2
		2002.. 93 950	780 151	53 625	N	N	40 325	X	X
32733M	Concrete pipe, brick, and block manufacturing	2005.. 137 528	1 167 656	69 779	573	—	67 748	2	3
		2004.. 114 205	1 091 227	61 959	573	—	52 246	2	3
		2003.. 81 932	508 665	38 345	N	N	43 588	40	2
		2002.. 93 950	780 151	53 625	N	N	40 325	X	X
32739	Other concrete product manufacturing	2005.. 152 134	1 450 833	85 286	D	D	66 847	5	6
		2004.. 128 969	1 253 010	73 324	D	S	55 644	1	3
		2003.. 119 283	902 809	61 674	N	N	57 610	2	2
		2002.. 118 819	916 267	62 925	N	N	55 894	X	X
327390	Other concrete product manufacturing	2005.. 152 134	1 450 833	85 286	D	D	66 847	5	6
		2004.. 128 969	1 253 010	73 324	D	S	55 644	1	3
		2003.. 119 283	902 809	61 674	N	N	57 610	2	2
		2002.. 118 819	916 267	62 925	N	N	55 894	X	X
3274	Lime and gypsum product manufacturing	2005.. 1 080 716	3 814 680	193 309	D	—	887 407	1	1
		2004.. 815 286	3 535 954	165 783	D	—	649 504	1	1
		2003.. 713 586	3 170 391	159 189	N	N	554 397	1	2
		2002.. 600 997	2 903 121	148 603	N	N	452 394	X	X
32741	Lime manufacturing	2005.. 343 414	1 886 102	76 342	—	—	267 072	2	3
		2004.. 290 584	1 725 124	67 357	—	—	223 227	1	1
		2003.. 223 080	1 356 329	58 207	N	N	164 873	1	2
		2002.. 214 677	1 238 556	56 708	N	N	157 969	X	X
327410	Lime manufacturing	2005.. 343 414	1 886 102	76 342	—	—	267 072	2	3
		2004.. 290 584	1 725 124	67 357	—	—	223 227	1	1
		2003.. 223 080	1 356 329	58 207	N	N	164 873	1	2
		2002.. 214 677	1 238 556	56 708	N	N	157 969	X	X
32742	Gypsum product manufacturing	2005.. 737 302	1 928 577	116 967	D	—	620 334	1	1
		2004.. 524 703	1 810 830	98 426	D	—	426 277	1	1
		2003.. 490 506	1 814 062	100 981	N	N	389 525	2	2
		2002.. 386 320	1 664 565	91 895	N	N	294 425	X	X
327420	Gypsum product manufacturing ..	2005.. 737 302	1 928 577	116 967	D	—	620 334	1	1
		2004.. 524 703	1 810 830	98 426	D	—	426 277	1	1
		2003.. 490 506	1 814 062	100 981	N	N	389 525	2	2
		2002.. 386 320	1 664 565	91 895	N	N	294 425	X	X
3279	Other nonmetallic mineral product manufacturing	2005.. 952 801	7 570 808	401 001	774	D	551 800	2	5
		2004.. 769 480	7 057 467	344 546	D	D	424 934	2	4
		2003.. 674 553	6 260 258	310 461	N	N	364 092	1	1
		2002.. 621 303	6 670 800	316 532	N	N	304 771	X	X
32791	Abrasive product manufacturing ...	2005.. 85 420	887 520	49 479	S	D	35 941	2	5
		2004.. 74 926	865 631	45 363	D	—	29 563	3	5
		2003.. 70 705	769 575	43 156	N	N	27 549	3	5
		2002.. 84 016	1 220 735	57 205	N	N	26 811	X	X
327910	Abrasive product manufacturing .	2005.. 85 420	887 520	49 479	S	D	35 941	2	5
		2004.. 74 926	865 631	45 363	D	—	29 563	3	5
		2003.. 70 705	769 575	43 156	N	N	27 549	3	5
		2002.. 84 016	1 220 735	57 205	N	N	26 811	X	X
32799	All other nonmetallic mineral product manufacturing	2005.. 867 381	6 683 288	351 522	1 124	D	515 859	3	5
		2004.. 694 554	6 191 836	299 183	1 129	D	395 371	2	4
		2003.. 603 848	5 490 683	267 305	N	N	336 543	1	1
		2002.. 537 287	5 450 065	259 327	N	N	277 960	X	X
327991	Cut stone and stone product manufacturing	2005.. 53 345	712 090	34 939	D	A	18 407	18	20
		2004.. 41 782	512 637	27 242	D	A	14 540	4	9
		2003.. 37 090	375 312	24 709	N	N	12 380	2	3
		2002.. 33 882	353 891	23 307	N	N	10 575	X	X
327992	Ground or treated mineral and earth manufacturing	2005.. 243 295	1 545 992	86 889	D	D	156 405	5	6
		2004.. 177 956	1 264 795	62 888	D	D	115 068	4	8
		2003.. 154 540	1 233 930	62 713	N	N	91 827	2	2
		2002.. 126 255	1 087 705	55 473	N	N	70 782	X	X
327993	Mineral wool manufacturing	2005.. 504 279	3 992 960	206 518	—	406	297 761	3	8
		2004.. 424 803	4 035 156	189 036	—	D	235 767	3	5
		2003.. 373 686	3 608 626	162 932	N	N	210 754	1	1
		2002.. 340 634	3 711 835	163 089	N	N	177 545	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—		
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		F	C	F
			Quantity (1,000 kWh)	Cost (\$1,000)						
			A	B	C	D		E	F	C
327	Nonmetallic mineral product manufacturing—Con.									
3279	Other nonmetallic mineral product manufacturing—Con.									
32799	All other nonmetallic mineral product manufacturing—Con.									
327999	All other miscellaneous nonmetallic mineral product manufacturing	2005.. 66 461	432 246	23 175	—	—	43 286	3	4	
		2004.. 50 013	379 249	20 017	—	—	29 996	3	4	
		2003.. 38 532	272 814	16 950	N	N	21 582	8	4	
		2002.. 36 516	296 634	17 458	N	N	19 058	X	X	
331	Primary metal manufacturing	2005.. 12 400 254	136 579 290	5 658 552	3 973 207	592 895	6 741 702	1	1	
		2004.. 10 480 957	128 827 308	5 062 359	4 538 967	197 474	5 418 599	1	1	
		2003.. 8 900 154	125 631 821	4 611 837	N	N	4 288 317	1	1	
		2002.. 8 037 551	131 999 687	4 620 638	N	N	3 416 913	X	X	
3311	Iron and steel mills and ferroalloy manufacturing	2005.. 6 879 345	61 686 580	2 497 464	2 951 370	D	4 381 881	2	1	
		2004.. 5 737 665	56 570 002	2 211 619	D	D	3 526 046	1	2	
		2003.. 4 459 169	52 875 805	1 884 637	N	N	2 574 532	1	1	
		2002.. 3 823 181	56 090 045	1 861 213	N	N	1 961 968	X	X	
33111	Iron and steel mills and ferroalloy manufacturing	2005.. 6 879 345	61 686 580	2 497 464	2 951 370	D	4 381 881	2	1	
		2004.. 5 737 665	56 570 002	2 211 619	D	D	3 526 046	1	2	
		2003.. 4 459 169	52 875 805	1 884 637	N	N	2 574 532	1	1	
		2002.. 3 823 181	56 090 045	1 861 213	N	N	1 961 968	X	X	
33111M	Iron and steel mills and ferroalloy manufacturing	2005.. 6 879 345	61 686 580	2 497 464	2 951 370	D	4 381 881	2	1	
		2004.. 5 737 665	56 570 002	2 211 619	D	D	3 526 046	1	2	
		2003.. 4 459 169	52 875 805	1 884 637	N	N	2 574 532	1	1	
		2002.. 3 823 181	56 090 045	1 861 213	N	N	1 961 968	X	X	
3312	Steel product manufacturing from purchased steel	2005.. 473 305	5 294 035	271 544	—	—	201 762	2	3	
		2004.. 393 798	4 940 758	234 094	1	—	159 703	2	3	
		2003.. 389 709	4 317 851	236 952	N	N	152 756	2	3	
		2002.. 376 474	4 367 599	233 728	N	N	142 746	X	X	
33121	Iron and steel pipe and tube manufacturing from purchased steel	2005.. 162 325	1 613 286	91 638	—	—	70 688	1	1	
		2004.. 125 502	1 466 319	77 795	1	—	47 707	1	2	
		2003.. 119 266	1 285 102	77 058	N	N	42 207	2	3	
		2002.. 113 047	1 289 365	76 017	N	N	37 030	X	X	
331210	Iron and steel pipe and tube manufacturing from purchased steel	2005.. 162 325	1 613 286	91 638	—	—	70 688	1	1	
		2004.. 125 502	1 466 319	77 795	1	—	47 707	1	2	
		2003.. 119 266	1 285 102	77 058	N	N	42 207	2	3	
		2002.. 113 047	1 289 365	76 017	N	N	37 030	X	X	
33122	Rolling and drawing of purchased steel	2005.. 310 980	3 680 749	179 906	—	—	131 074	3	4	
		2004.. 268 296	3 474 439	156 300	N	—	111 996	2	5	
		2003.. 270 443	3 032 750	159 894	N	N	110 549	2	5	
		2002.. 263 427	3 078 234	157 711	N	N	105 716	X	X	
33122M	Rolling and drawing of purchased steel	2005.. 310 980	3 680 749	179 906	—	—	131 074	3	4	
		2004.. 268 296	3 474 439	156 300	N	—	111 996	2	5	
		2003.. 270 443	3 032 750	159 894	N	N	110 549	2	5	
		2002.. 263 427	3 078 234	157 711	N	N	105 716	X	X	
3313	Alumina and aluminum production and processing	2005.. 2 635 541	39 402 107	1 520 878	D	D	1 114 663	1	1	
		2004.. 2 231 784	38 182 989	1 363 357	D	—	868 427	1	1	
		2003.. 2 115 598	43 227 329	1 336 025	N	N	779 573	1	1	
		2002.. 1 945 466	45 791 105	1 343 581	N	N	601 885	X	X	
33131	Alumina and aluminum production and processing	2005.. 2 635 541	39 402 107	1 520 878	D	D	1 114 663	1	1	
		2004.. 2 231 784	38 182 989	1 363 357	D	—	868 427	1	1	
		2003.. 2 115 598	43 227 329	1 336 025	N	N	779 573	1	1	
		2002.. 1 945 466	45 791 105	1 343 581	N	N	601 885	X	X	
331311	Alumina refining	2005.. 282 894	261 502	21 054	D	—	261 840	1	1	
		2004.. D	254 408	D	D	—	183 832	S	1	
		2003.. D	235 651	11 515	N	N	D	1	S	
		2002.. 124 328	231 302	13 227	N	N	111 101	X	X	
331312	Primary aluminum production....	2005.. 1 169 709	29 660 605	1 079 004	—	D	90 704	1	1	
		2004.. D	29 505 113	1 009 751	D	—	D	1	S	
		2003.. 1 159 083	35 841 018	1 015 406	N	N	143 677	1	1	
		2002.. 1 106 557	37 894 527	1 011 810	N	N	94 747	X	X	
331314	Secondary smelting and alloying of aluminum.....	2005.. 341 987	2 455 999	104 464	D	—	237 523	9	4	
		2004.. 167 197	1 323 122	D	—	—	D	S	S	
		2003.. D	1 111 281	45 317	N	N	D	1	S	
		2002.. 127 244	1 316 246	48 550	N	N	78 694	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
			A	B	C	D		E	F
331	Primary metal manufacturing—Con.								
3313	Alumina and aluminum production and processing—Con.								
33131	Alumina and aluminum production and processing—Con.								
331316	Aluminum extruded product manufacturing	2005.. 268 232	2 268 253	122 434	—	—	145 798	2	1
		2004.. 214 260	2 137 311	105 223	—	—	109 037	3	2
		2003.. 200 036	1 780 976	100 611	N	N	99 425	1	1
		2002.. 207 795	2 026 701	104 912	N	N	102 883	X	X
33131N	Aluminum rolling and drawing ...	2005.. 572 719	4 755 748	193 922	—	—	378 797	1	3
		2004.. 482 212	4 963 033	182 527	—	—	299 685	1	1
		2003.. 411 859	4 258 402	163 176	N	N	248 683	1	1
		2002.. 379 542	4 322 329	165 082	N	N	214 460	X	X
3314	Nonferrous metal (except aluminum) production and processing	2005.. 843 039	11 149 620	488 564	D	330 066	354 475	1	1
		2004.. 764 272	10 979 193	460 915	D	D	303 356	1	1
		2003.. 676 922	9 002 960	394 548	N	N	282 373	2	1
		2002.. 662 387	9 359 595	415 152	N	N	247 235	X	X
33141	Nonferrous metal (except aluminum) smelting and refining ..	2005.. 287 727	4 829 244	166 611	1 015 588	330 066	121 116	2	1
		2004.. 289 372	5 248 176	181 557	D	D	107 815	2	1
		2003.. 237 124	3 856 245	127 135	N	N	109 989	6	1
		2002.. 235 766	4 074 567	140 975	N	N	94 791	X	X
331411	Primary smelting and refining of copper	2005.. 76 993	498 939	19 605	D	D	57 388	1	1
		2004.. 70 188	523 116	20 653	D	D	49 535	1	1
		2003.. 62 954	489 186	16 822	N	N	46 132	1	1
		2002.. 86 453	D	41 554	N	N	44 899	X	X
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	2005.. 210 734	4 330 305	147 006	D	D	63 728	2	1
		2004.. 219 184	4 725 060	160 904	D	D	58 280	2	1
		2003.. 174 171	3 367 059	110 313	N	N	63 857	7	1
		2002.. 149 313	D	99 421	N	N	49 892	X	X
33142	Copper rolling, drawing, extruding, and alloying	2005.. 293 316	3 233 710	168 845	D	—	124 470	1	3
		2004.. 249 232	2 963 064	152 131	D	—	97 102	2	2
		2003.. 228 876	2 730 155	142 649	N	N	86 227	1	1
		2002.. 221 100	2 906 372	151 196	N	N	69 904	X	X
33142M	Copper rolling, drawing, extruding, and alloying	2005.. 293 316	3 233 710	168 845	D	—	124 470	1	3
		2004.. 249 232	2 963 064	152 131	D	—	97 102	2	2
		2003.. 228 876	2 730 155	142 649	N	N	86 227	1	1
		2002.. 221 100	2 906 372	151 196	N	N	69 904	X	X
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	2005.. 261 996	3 086 666	153 108	—	—	108 888	1	1
		2004.. 225 667	2 767 953	127 228	—	—	98 439	1	1
		2003.. 210 921	2 416 560	124 765	N	N	86 157	1	2
		2002.. 205 521	2 378 656	122 981	N	N	82 540	X	X
33149M	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	2005.. 261 996	3 086 666	153 108	—	—	108 888	1	1
		2004.. 225 667	2 767 953	127 228	—	—	98 439	1	1
		2003.. 210 921	2 416 560	124 765	N	N	86 157	1	2
		2002.. 205 521	2 378 656	122 981	N	N	82 540	X	X
3315	Foundries	2005.. 1 569 025	19 046 948	880 103	—	—	688 922	1	1
		2004.. 1 353 439	18 154 366	792 373	—	—	561 066	1	1
		2003.. 1 258 757	16 207 877	759 675	N	N	499 082	1	4
		2002.. 1 230 043	16 391 343	766 964	N	N	463 079	X	X
33151	Ferrous metal foundries	2005.. 1 073 846	14 624 037	650 748	—	—	423 099	1	1
		2004.. 922 686	13 905 997	579 184	—	—	343 502	1	1
		2003.. 857 429	12 571 436	544 220	N	N	313 209	1	2
		2002.. 841 627	12 472 561	553 049	N	N	288 578	X	X
33151M	Ferrous metal foundries	2005.. 1 073 846	14 624 037	650 748	—	—	423 099	1	1
		2004.. 922 686	13 905 997	579 184	—	—	343 502	1	1
		2003.. 857 429	12 571 436	544 220	N	N	313 209	1	2
		2002.. 841 627	12 472 561	553 049	N	N	288 578	X	X
33152	Nonferrous metal foundries	2005.. 495 179	4 422 911	229 355	—	—	265 824	2	2
		2004.. 430 753	4 248 370	213 189	—	—	217 565	1	2
		2003.. 401 328	3 636 441	215 455	N	N	185 873	3	11
		2002.. 388 416	3 918 782	213 915	N	N	174 501	X	X
33152N	Aluminum foundries	2005.. 371 191	3 109 738	154 765	—	—	216 426	2	2
		2004.. 320 143	2 998 312	144 052	—	—	176 091	1	2
		2003.. 298 385	2 550 366	147 918	N	N	150 467	4	14
		2002.. 288 387	2 841 546	147 175	N	N	141 212	X	X
33152P	Foundries not aluminum	2005.. 123 988	1 313 173	74 590	—	—	49 398	3	6
		2004.. 110 610	1 250 058	69 137	—	—	41 473	2	4
		2003.. 102 943	1 086 075	67 537	N	N	35 406	2	3
		2002.. 100 029	1 077 236	66 740	N	N	33 289	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—		
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F	
			Quantity (1,000 kWh)	Cost (\$1,000)						
			A	B	C	D		E	F	C
332	Fabricated metal product manufacturing	2005..	4 760 664	52 942 660	2 951 781	322 661	12 336	1 808 882	1	1
		2004..	4 115 033	49 271 142	2 635 366	341 360	13 024	1 479 666	1	1
		2003..	4 031 702	42 333 679	2 590 883	N	N	1 440 819	1	1
		2002..	3 780 214	40 870 448	2 521 588	N	N	1 258 626	X	X
3321	Forging and stamping	2005..	656 547	6 785 455	372 084	10 334	—	284 464	4	2
		2004..	572 002	6 386 103	336 261	D	—	235 741	4	2
		2003..	517 300	4 853 964	301 675	N	N	215 625	1	1
		2002..	487 134	4 919 504	295 899	N	N	191 235	X	X
33211	Forging and stamping	2005..	656 547	6 785 455	372 084	10 334	—	284 464	4	2
		2004..	572 002	6 386 103	336 261	D	—	235 741	4	2
		2003..	517 300	4 853 964	301 675	N	N	215 625	1	1
		2002..	487 134	4 919 504	295 899	N	N	191 235	X	X
332114	Custom roll forming	2005..	D	832 463	44 397	—	—	D	23	S
		2004..	D	766 098	39 380	—	—	D	19	S
		2003..	54 604	455 116	29 478	N	N	25 126	2	2
		2002..	51 065	439 429	29 068	N	N	21 997	X	X
332117	Powder metallurgy parts manufacturing	2005..	D	681 399	29 676	—	—	D	3	S
		2004..	D	636 222	28 546	—	—	D	2	S
		2003..	41 860	472 022	28 437	N	N	13 423	2	11
		2002..	42 458	651 299	28 836	N	N	13 622	X	X
33211N	Forging	2005..	339 650	2 992 075	168 532	381	—	171 118	6	3
		2004..	299 315	2 987 242	158 337	D	—	140 978	6	3
		2003..	267 480	2 337 731	139 354	N	N	128 126	1	2
		2002..	249 272	2 313 213	137 939	N	N	111 333	X	X
33211P	Crown, closure, and metal stamping manufacturing	2005..	195 709	2 279 517	129 479	9 953	—	66 229	3	4
		2004..	164 794	1 996 542	109 998	10 199	—	54 796	2	5
		2003..	153 356	1 589 095	104 406	N	N	48 950	2	2
		2002..	144 339	1 515 563	100 056	N	N	44 283	X	X
3322	Cutlery and handtool manufacturing ..	2005..	160 462	1 794 686	103 823	66 456	—	56 639	2	2
		2004..	145 349	1 703 452	98 144	D	—	47 205	2	1
		2003..	144 206	1 584 335	99 413	N	N	44 793	2	3
		2002..	149 132	1 641 688	104 225	N	N	44 907	X	X
33221	Cutlery and hand tool manufacturing	2005..	160 462	1 794 686	103 823	66 456	—	56 639	2	2
		2004..	145 349	1 703 452	98 144	D	—	47 205	2	1
		2003..	144 206	1 584 335	99 413	N	N	44 793	2	3
		2002..	149 132	1 641 688	104 225	N	N	44 907	X	X
33221N	Cutlery, kitchen utensil, pot, and pan manufacturing	2005..	43 224	326 499	23 505	D	—	19 719	1	2
		2004..	40 867	333 579	23 164	D	—	17 703	1	1
		2003..	44 475	411 362	27 142	N	N	17 334	8	6
		2002..	40 421	381 059	24 236	N	N	16 185	X	X
33221P	Hand tool and saw blade manufacturing	2005..	117 238	1 468 187	80 317	D	—	36 920	2	3
		2004..	104 482	1 369 873	74 980	D	—	29 502	2	2
		2003..	99 731	1 172 973	72 271	N	N	27 459	1	3
		2002..	108 711	1 260 629	79 989	N	N	28 722	X	X
3323	Architectural and structural metals manufacturing	2005..	721 411	9 145 739	493 488	D	D	227 924	2	2
		2004..	585 544	7 222 594	397 616	D	A	187 928	3	3
		2003..	596 446	6 518 805	397 682	N	N	198 764	4	7
		2002..	530 315	5 502 049	359 495	N	N	170 820	X	X
33231	Plate work and fabricated structural product manufacturing	2005..	321 021	3 997 528	214 251	9 627	D	106 770	2	3
		2004..	258 461	3 211 993	171 640	10 595	S	86 821	2	5
		2003..	312 115	3 713 069	209 678	N	N	102 438	6	11
		2002..	261 196	2 752 602	173 913	N	N	87 283	X	X
33231M	Plate work and fabricated structural product manufacturing	2005..	321 021	3 997 528	214 251	9 627	D	106 770	2	3
		2004..	258 461	3 211 993	171 640	10 595	S	86 821	2	5
		2003..	312 115	3 713 069	209 678	N	N	102 438	6	11
		2002..	261 196	2 752 602	173 913	N	N	87 283	X	X
33232	Ornamental and architectural metal work manufacturing	2005..	400 390	5 148 211	279 236	D	D	121 154	4	3
		2004..	327 083	4 010 601	225 976	D	2 156	101 107	5	4
		2003..	284 330	2 805 737	188 004	N	N	96 326	3	9
		2002..	269 119	2 749 447	185 582	N	N	83 537	X	X
33232M	Ornamental and architectural metal work manufacturing	2005..	400 390	5 148 211	279 236	D	D	121 154	4	3
		2004..	327 083	4 010 601	225 976	D	2 156	101 107	5	4
		2003..	284 330	2 805 737	188 004	N	N	96 326	3	9
		2002..	269 119	2 749 447	185 582	N	N	83 537	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
			A	B	C	D		E	F
332	Fabricated metal product manufacturing—Con.								
3324	Boiler, tank, and shipping container manufacturing	2005.. 481 115	4 893 184	281 936	D	D	199 179	2	4
		2004.. 403 270	4 654 298	250 603	S	316	152 667	1	2
		2003.. 403 064	4 294 123	246 081	N	N	156 982	2	4
		2002.. 367 188	4 282 986	248 804	N	N	118 384	X	X
33241	Power boiler and heat exchanger manufacturing	2005.. 75 543	798 492	43 040	—	—	32 503	12	22
		2004.. 51 225	598 050	31 819	—	—	19 406	5	6
		2003.. 47 128	475 878	28 946	N	N	18 182	3	5
		2002.. 47 436	498 708	30 500	N	N	16 936	X	X
332410	Power boiler and heat exchanger manufacturing	2005.. 75 543	798 492	43 040	—	—	32 503	12	22
		2004.. 51 225	598 050	31 819	—	—	19 406	5	6
		2003.. 47 128	475 878	28 946	N	N	18 182	3	5
		2002.. 47 436	498 708	30 500	N	N	16 936	X	X
33242	Metal tank (heavy gauge) manufacturing	2005.. 79 353	733 437	42 512	D	D	36 841	2	11
		2004.. 68 395	724 765	40 016	S	316	28 379	2	5
		2003.. 71 239	604 621	38 191	N	N	33 048	3	20
		2002.. 59 255	595 913	38 554	N	N	20 701	X	X
332420	Metal tank (heavy gauge) manufacturing	2005.. 79 353	733 437	42 512	D	D	36 841	2	11
		2004.. 68 395	724 765	40 016	S	316	28 379	2	5
		2003.. 71 239	604 621	38 191	N	N	33 048	3	20
		2002.. 59 255	595 913	38 554	N	N	20 701	X	X
33243	Metal can, box, and other metal container (light gauge) manufacturing	2005.. 326 219	3 361 255	196 384	—	—	129 835	1	2
		2004.. 283 650	3 331 483	178 768	—	—	104 882	1	2
		2003.. 284 697	3 213 624	178 944	N	N	105 752	2	2
		2002.. 260 497	3 188 365	179 750	N	N	80 747	X	X
33243M	Metal can, box, and other metal container (light gauge) manufacturing	2005.. 326 219	3 361 255	196 384	—	—	129 835	1	2
		2004.. 283 650	3 331 483	178 768	—	—	104 882	1	2
		2003.. 284 697	3 213 624	178 944	N	N	105 752	2	2
		2002.. 260 497	3 188 365	179 750	N	N	80 747	X	X
3325	Hardware manufacturing	2005.. 100 357	1 100 963	63 618	D	—	36 740	2	4
		2004.. 96 375	1 153 587	62 328	D	—	34 047	2	4
		2003.. 96 726	1 045 150	65 256	N	N	31 470	1	2
		2002.. 95 121	1 077 408	67 599	N	N	27 522	X	X
33251	Hardware manufacturing	2005.. 100 357	1 100 963	63 618	D	—	36 740	2	4
		2004.. 96 375	1 153 587	62 328	D	—	34 047	2	4
		2003.. 96 726	1 045 150	65 256	N	N	31 470	1	2
		2002.. 95 121	1 077 408	67 599	N	N	27 522	X	X
332510	Hardware manufacturing	2005.. 100 357	1 100 963	63 618	D	—	36 740	2	4
		2004.. 96 375	1 153 587	62 328	D	—	34 047	2	4
		2003.. 96 726	1 045 150	65 256	N	N	31 470	1	2
		2002.. 95 121	1 077 408	67 599	N	N	27 522	X	X
3326	Spring and wire product manufacturing	2005.. 161 925	1 713 088	94 268	7 986	—	67 657	2	7
		2004.. 143 315	1 736 957	88 006	D	—	55 309	2	6
		2003.. 142 299	1 454 365	92 527	N	N	49 771	3	3
		2002.. 129 278	1 337 557	85 023	N	N	44 255	X	X
33261	Spring and wire product manufacturing	2005.. 161 925	1 713 088	94 268	7 986	—	67 657	2	7
		2004.. 143 315	1 736 957	88 006	D	—	55 309	2	6
		2003.. 142 299	1 454 365	92 527	N	N	49 771	3	3
		2002.. 129 278	1 337 557	85 023	N	N	44 255	X	X
33261M	Spring and wire product manufacturing	2005.. 161 925	1 713 088	94 268	7 986	—	67 657	2	7
		2004.. 143 315	1 736 957	88 006	D	—	55 309	2	6
		2003.. 142 299	1 454 365	92 527	N	N	49 771	3	3
		2002.. 129 278	1 337 557	85 023	N	N	44 255	X	X
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ..	2005.. 766 744	10 204 497	586 451	17 596	3 217	180 292	1	3
		2004.. 669 775	9 646 808	524 370	18 573	3 077	145 405	1	3
		2003.. 642 832	7 583 691	499 464	N	N	143 368	2	3
		2002.. 579 695	6 960 006	465 015	N	N	114 680	X	X
33271	Machine shops	2005.. 466 214	6 498 320	366 212	7 335	525	100 002	2	5
		2004.. 404 425	6 135 825	321 658	5 766	385	82 767	2	4
		2003.. 375 787	4 507 205	292 175	N	N	83 612	3	5
		2002.. 329 305	4 072 419	268 089	N	N	61 216	X	X
332710	Machine shops	2005.. 466 214	6 498 320	366 212	7 335	525	100 002	2	5
		2004.. 404 425	6 135 825	321 658	5 766	385	82 767	2	4
		2003.. 375 787	4 507 205	292 175	N	N	83 612	3	5
		2002.. 329 305	4 072 419	268 089	N	N	61 216	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
332	Fabricated metal product manufacturing—Con.								
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing—Con.								
33272	Turned product and screw, nut, and bolt manufacturing	2005.. 300 530	3 706 177	220 240	10 261	2 692	80 290	1	4
		2004.. 265 350	3 510 983	202 713	12 807	2 692	62 637	1	3
		2003.. 267 044	3 076 486	207 288	N	N	59 756	1	2
		2002.. 250 390	2 887 587	196 926	N	N	53 464	X	X
332721	Precision turned product manufacturing	2005.. 157 159	2 214 748	126 154	2 180	2 150	31 005	2	7
		2004.. 137 618	2 039 873	113 118	2 002	2 150	24 500	1	6
		2003.. 130 788	1 603 044	106 617	N	N	24 171	2	6
		2002.. 126 008	1 566 053	105 244	N	N	20 764	X	X
332722	Bolt, nut, screw, rivet, and washer manufacturing	2005.. 143 371	1 491 429	94 085	8 081	542	49 285	1	4
		2004.. 127 732	1 471 110	89 595	10 805	542	38 138	2	2
		2003.. 136 256	1 473 441	100 671	N	N	35 585	2	2
		2002.. 124 382	1 321 534	91 682	N	N	32 700	X	X
3328	Coating, engraving, heat treating, and allied activities	2005.. 921 754	7 951 288	428 177	27 950	1 258	493 576	1	2
		2004.. 800 247	7 687 619	394 902	29 594	1 252	405 345	1	2
		2003.. 764 036	6 476 785	388 051	N	N	375 986	2	2
		2002.. 746 088	6 777 772	402 008	N	N	344 080	X	X
33281	Coating, engraving, heat treating, and allied activities	2005.. 921 754	7 951 288	428 177	27 950	1 258	493 576	1	2
		2004.. 800 247	7 687 619	394 902	29 594	1 252	405 345	1	2
		2003.. 764 036	6 476 785	388 051	N	N	375 986	2	2
		2002.. 746 088	6 777 772	402 008	N	N	344 080	X	X
33281M	Coating, engraving, heat treating, and allied activities	2005.. 921 754	7 951 288	428 177	27 950	1 258	493 576	1	2
		2004.. 800 247	7 687 619	394 902	29 594	1 252	405 345	1	2
		2003.. 764 036	6 476 785	388 051	N	N	375 986	2	2
		2002.. 746 088	6 777 772	402 008	N	N	344 080	X	X
3329	Other fabricated metal product manufacturing	2005.. 790 348	9 353 761	527 937	D	6 292	262 411	2	3
		2004.. 699 156	9 079 724	483 137	D	6 258	216 019	2	3
		2003.. 724 794	8 522 461	500 734	N	N	224 060	1	2
		2002.. 696 263	8 371 478	493 520	N	N	202 743	X	X
33291	Metal valve manufacturing	2005.. 264 718	3 457 732	197 535	700	853	67 183	2	5
		2004.. 225 297	3 160 373	174 589	700	853	50 708	2	1
		2003.. 223 002	2 937 762	175 989	N	N	47 013	2	2
		2002.. 211 381	2 819 891	168 254	N	N	43 127	X	X
332913	Plumbing fixture fitting and trim manufacturing	2005.. 27 144	278 094	16 968	—	—	10 176	14	5
		2004.. 22 032	290 673	15 335	—	—	6 697	16	8
		2003.. 24 672	275 875	17 795	N	N	6 877	2	8
		2002.. 24 751	281 481	18 167	N	N	6 584	X	X
33291N	Valve and fitting (except plumbing) manufacturing	2005.. 237 574	3 179 638	180 567	700	853	57 007	1	5
		2004.. 203 265	2 869 701	159 255	700	853	44 010	1	1
		2003.. 198 330	2 661 886	158 194	N	N	40 136	3	2
		2002.. 186 630	2 538 410	150 087	N	N	36 543	X	X
33299	All other fabricated metal product manufacturing	2005.. 525 630	5 896 029	330 403	D	5 439	195 227	2	4
		2004.. 473 859	5 919 351	308 548	D	5 405	165 311	3	4
		2003.. 501 792	5 584 699	324 746	N	N	177 046	1	2
		2002.. 484 882	5 551 587	325 266	N	N	159 616	X	X
332991	Ball and roller bearing manufacturing	2005.. 141 880	1 782 802	90 498	—	—	51 381	2	4
		2004.. 131 568	1 834 871	89 196	—	—	42 372	1	3
		2003.. 121 518	1 717 656	88 613	N	N	32 905	1	2
		2002.. 119 998	1 806 914	91 196	N	N	28 802	X	X
332992	Small arms ammunition manufacturing	2005.. 28 351	294 018	12 937	—	—	15 414	1	1
		2004.. 22 097	271 474	11 364	—	—	10 734	1	1
		2003.. 22 160	258 372	11 990	N	N	10 170	1	7
		2002.. 18 508	256 073	11 144	N	N	7 364	X	X
332993	Ammunition (except small arms) manufacturing	2005.. D	211 257	16 296	—	D	D	3	S
		2004.. D	242 381	D	—	D	11 834	S	3
		2003.. 25 396	247 865	14 562	N	N	10 834	3	1
		2002.. 24 593	209 400	14 577	N	N	10 016	X	X
332994	Small arms manufacturing	2005.. 25 766	230 947	18 530	—	—	7 237	2	3
		2004.. 22 522	228 191	16 840	—	—	5 682	1	1
		2003.. 20 370	184 681	15 144	N	N	5 226	1	3
		2002.. 19 034	180 852	14 848	N	N	4 186	X	X
332995	Other ordnance and accessories manufacturing	2005.. D	103 984	7 682	—	—	D	1	S
		2004.. D	156 933	D	—	—	3 120	S	1
		2003.. 14 691	173 207	9 898	N	N	4 793	1	1
		2002.. 12 335	147 413	8 340	N	N	3 995	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
332	Fabricated metal product manufacturing—Con.								
3329	Other fabricated metal product manufacturing—Con.								
33299	All other fabricated metal product manufacturing—Con.								
332996	Fabricated pipe and pipe fitting manufacturing	2005.. 57 320	733 634	44 434	D	—	12 886	2	37
		2004.. 46 104	645 450	36 730	1 872	—	9 374	2	50
		2003.. 49 867	533 747	35 595	N	N	14 272	4	6
		2002.. 47 487	513 050	33 226	N	N	14 261	X	X
33299N	Other fabricated metal products manufacturing	2005.. 232 973	2 539 386	140 025	D	D	92 948	6	6
		2004.. 212 452	2 540 051	130 256	D	D	82 196	6	5
		2003.. 247 791	2 469 170	148 943	N	N	98 847	1	3
		2002.. 242 927	2 437 885	151 935	N	N	90 992	X	X
333	Machinery manufacturing	2005.. 2 382 459	30 371 743	1 675 402	486 060	43 464	707 057	1	2
		2004.. 2 094 285	28 317 272	1 512 906	505 072	40 251	581 379	1	2
		2003.. 1 981 626	24 115 079	1 456 994	N	N	524 632	1	1
		2002.. 1 938 581	24 199 818	1 446 673	N	N	491 908	X	X
3331	Agriculture, construction, and mining machinery manufacturing	2005.. 477 404	5 206 171	263 396	D	D	214 008	3	6
		2004.. 402 544	4 742 459	231 769	D	68	170 775	1	7
		2003.. 355 798	4 088 931	216 942	N	N	138 856	1	1
		2002.. 328 296	4 057 608	210 919	N	N	117 377	X	X
33311	Agricultural implement manufacturing	2005.. 189 139	1 908 303	96 548	D	D	92 590	2	14
		2004.. 167 764	1 817 719	88 835	D	68	78 929	2	15
		2003.. 148 246	1 657 337	88 423	N	N	59 823	2	2
		2002.. 132 642	1 540 593	80 119	N	N	52 523	X	X
333111	Farm machinery and equipment manufacturing	2005.. 141 263	1 361 977	66 916	D	D	74 347	2	17
		2004.. 126 562	1 326 922	62 698	D	68	63 863	2	18
		2003.. 108 081	1 189 930	62 427	N	N	45 654	2	2
		2002.. 96 951	1 091 273	56 140	N	N	40 811	X	X
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	2005.. 47 876	546 326	29 633	—	—	18 243	3	2
		2004.. 41 203	490 797	26 136	—	—	15 066	2	2
		2003.. 40 165	467 407	25 996	N	N	14 169	1	2
		2002.. 35 691	449 320	23 979	N	N	11 712	X	X
33312	Construction machinery manufacturing	2005.. 177 079	1 974 366	89 167	D	—	87 912	1	1
		2004.. 150 309	1 802 942	80 812	D	—	69 497	1	1
		2003.. 135 672	1 506 227	74 153	N	N	61 519	2	1
		2002.. 124 316	1 534 599	74 859	N	N	49 457	X	X
333120	Construction machinery manufacturing	2005.. 177 079	1 974 366	89 167	D	—	87 912	1	1
		2004.. 150 309	1 802 942	80 812	D	—	69 497	1	1
		2003.. 135 672	1 506 227	74 153	N	N	61 519	2	1
		2002.. 124 316	1 534 599	74 859	N	N	49 457	X	X
33313	Mining and oil and gas field machinery manufacturing	2005.. 111 186	1 323 503	77 681	—	—	33 506	9	11
		2004.. 84 470	1 121 797	62 122	—	—	22 349	5	8
		2003.. 71 879	925 367	54 365	N	N	17 514	5	4
		2002.. 71 338	982 416	55 941	N	N	15 397	X	X
33313M	Mining and oil and gas field machinery manufacturing	2005.. 111 186	1 323 503	77 681	—	—	33 506	9	11
		2004.. 84 470	1 121 797	62 122	—	—	22 349	5	8
		2003.. 71 879	925 367	54 365	N	N	17 514	5	4
		2002.. 71 338	982 416	55 941	N	N	15 397	X	X
3332	Industrial machinery manufacturing ..	2005.. 244 467	3 054 880	189 283	S	D	55 185	3	5
		2004.. 223 062	2 996 035	179 036	S	D	44 027	2	6
		2003.. 221 242	2 534 856	174 761	N	N	46 481	4	3
		2002.. 222 471	2 590 890	178 692	N	N	43 779	X	X
33321	Sawmill and woodworking machinery manufacturing	2005.. 11 773	164 139	8 386	—	—	3 386	10	10
		2004.. 10 130	144 932	6 923	—	—	3 207	5	11
		2003.. 9 206	102 842	6 336	N	N	2 871	4	7
		2002.. 8 264	94 812	5 809	N	N	2 455	X	X
333210	Sawmill and woodworking machinery manufacturing	2005.. 11 773	164 139	8 386	—	—	3 386	10	10
		2004.. 10 130	144 932	6 923	—	—	3 207	5	11
		2003.. 9 206	102 842	6 336	N	N	2 871	4	7
		2002.. 8 264	94 812	5 809	N	N	2 455	X	X
33322	Plastics and rubber industry machinery manufacturing	2005.. 26 024	351 088	20 053	S	D	5 971	9	5
		2004.. 23 948	360 141	18 578	S	D	5 370	4	6
		2003.. 21 895	267 584	16 863	N	N	5 032	3	2
		2002.. 23 705	292 582	18 767	N	N	4 938	X	X
333220	Plastics and rubber industry machinery manufacturing	2005.. 26 024	351 088	20 053	S	D	5 971	9	5
		2004.. 23 948	360 141	18 578	S	D	5 370	4	6
		2003.. 21 895	267 584	16 863	N	N	5 032	3	2
		2002.. 23 705	292 582	18 767	N	N	4 938	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

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			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
333	Machinery manufacturing—Con.								
3332	Industrial machinery manufacturing—Con.								
33329	Other industrial machinery manufacturing	2005.. 206 670	2 539 653	160 844	—	342	45 827	3	6
		2004.. 188 984	2 490 963	153 535	—	D	35 449	3	7
		2003.. 190 141	2 164 431	151 562	N	N	38 579	5	4
		2002.. 190 502	2 203 496	154 116	N	N	36 386	X	X
333295	Semiconductor machinery manufacturing	2005.. 57 912	727 345	50 352	—	—	7 560	5	8
		2004.. 59 634	732 142	54 072	—	—	5 562	6	8
		2003.. 69 166	862 184	61 514	N	N	7 652	1	7
		2002.. 62 977	771 132	56 833	N	N	6 144	X	X
33329N	Other machinery manufacturing .	2005.. 148 759	1 812 308	110 492	—	342	38 267	3	6
		2004.. 129 350	1 758 820	99 463	—	D	29 887	2	8
		2003.. 120 975	1 302 246	90 048	N	N	30 927	9	5
		2002.. 127 525	1 432 364	97 283	N	N	30 242	X	X
3333	Commercial and service industry machinery manufacturing	2005.. 168 502	1 957 180	133 610	643	D	34 893	1	3
		2004.. 151 321	1 906 862	123 787	740	114	27 534	1	3
		2003.. 145 851	1 608 670	118 723	N	N	27 128	1	2
		2002.. 131 405	1 417 246	108 801	N	N	22 604	X	X
33331	Commercial and service industry machinery manufacturing	2005.. 168 502	1 957 180	133 610	643	D	34 893	1	3
		2004.. 151 321	1 906 862	123 787	740	114	27 534	1	3
		2003.. 145 851	1 608 670	118 723	N	N	27 128	1	2
		2002.. 131 405	1 417 246	108 801	N	N	22 604	X	X
333313	Office machinery manufacturing .	2005.. 11 559	209 055	9 718	—	—	1 841	1	5
		2004.. 11 986	219 086	10 081	—	—	1 905	1	4
		2003.. 13 538	166 113	11 327	N	N	2 211	2	3
		2002.. 7 673	91 669	5 886	N	N	1 787	X	X
333314	Optical instrument and lens manufacturing	2005.. 42 169	443 991	38 713	—	D	3 456	2	4
		2004.. 37 538	431 260	35 263	—	114	2 276	2	6
		2003.. 32 613	362 337	30 054	N	N	2 559	2	8
		2002.. 31 753	337 734	29 546	N	N	2 207	X	X
333315	Photographic and photocopying equipment manufacturing	2005.. 26 125	214 146	22 843	643	—	3 282	2	10
		2004.. 29 293	308 601	26 121	D	—	3 173	3	10
		2003.. 21 495	214 033	18 425	N	N	3 070	2	7
		2002.. 21 121	228 175	18 529	N	N	2 592	X	X
33331N	All other commercial and service industry machinery manufacturing	2005.. 88 649	1 089 987	62 336	—	—	26 314	1	3
		2004.. 72 504	947 915	52 323	D	—	20 181	1	4
		2003.. 78 206	866 187	58 917	N	N	19 288	2	2
		2002.. 70 858	759 668	54 840	N	N	16 018	X	X
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2005.. 260 195	3 380 309	181 543	S	50	78 652	1	7
		2004.. 229 425	3 132 834	164 084	D	50	65 341	1	9
		2003.. 229 606	2 845 574	164 323	N	N	65 283	1	2
		2002.. 232 390	2 948 246	168 666	N	N	63 724	X	X
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2005.. 260 195	3 380 309	181 543	S	50	78 652	1	7
		2004.. 229 425	3 132 834	164 084	D	50	65 341	1	9
		2003.. 229 606	2 845 574	164 323	N	N	65 283	1	2
		2002.. 232 390	2 948 246	168 666	N	N	63 724	X	X
333414	Heating equipment (except warm air furnaces) manufacturing	2005.. 37 398	378 581	23 274	—	—	14 124	4	4
		2004.. 33 487	400 788	22 477	—	—	11 010	4	4
		2003.. 31 191	311 637	21 469	N	N	9 722	2	12
		2002.. 35 166	348 818	23 279	N	N	11 887	X	X
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	2005.. 183 303	2 502 202	131 679	—	50	51 624	2	11
		2004.. 157 147	2 279 559	116 166	D	50	40 981	2	14
		2003.. 162 267	2 103 666	116 446	N	N	45 821	1	1
		2002.. 160 496	2 181 523	119 222	N	N	41 274	X	X
33341N	Ventilation equipment manufacturing	2005.. 39 494	499 526	26 590	S	—	12 904	3	5
		2004.. 38 792	452 487	25 441	D	—	13 351	2	5
		2003.. 36 149	430 272	26 408	N	N	9 740	2	6
		2002.. 36 728	417 905	26 165	N	N	10 563	X	X
3335	Metalworking machinery manufacturing	2005.. 349 454	5 085 106	273 369	314 624	D	76 085	2	4
		2004.. 318 964	4 800 654	254 541	319 816	S	64 423	1	3
		2003.. 303 356	3 781 394	244 719	N	N	58 636	2	3
		2002.. 306 431	3 833 235	250 943	N	N	55 488	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

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			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
333	Machinery manufacturing—Con.								
3335	Metalworking machinery manufacturing—Con.								
33351	Metalworking machinery manufacturing	2005.. 349 454	5 085 106	273 369	314 624	D	76 085	2	4
		2004.. 318 964	4 800 654	254 541	319 816	S	64 423	1	3
		2003.. 303 356	3 781 394	244 719	N	N	58 636	2	3
		2002.. 306 431	3 833 235	250 943	N	N	55 488	X	X
333511	Industrial mold manufacturing ...	2005.. 92 260	1 345 865	73 530	776	D	18 729	4	9
		2004.. 85 620	1 332 426	69 358	2 734	D	16 262	3	5
		2003.. 80 747	1 004 310	66 271	N	N	14 476	2	10
		2002.. 81 628	1 031 780	68 152	N	N	13 476	X	X
333512	Machine tool (metal cutting types) manufacturing	2005.. 32 790	432 504	24 314	18	—	8 475	3	6
		2004.. 29 927	381 275	23 171	18	—	6 756	5	7
		2003.. 26 827	349 237	21 629	N	N	5 198	2	8
		2002.. 27 792	356 349	22 891	N	N	4 901	X	X
333513	Machine tool (metal forming types) manufacturing	2005.. 13 236	201 902	10 041	—	37	3 194	6	15
		2004.. 11 485	171 738	8 559	D	D	2 927	5	8
		2003.. 10 612	124 455	7 908	N	N	2 705	3	13
		2002.. 10 421	113 730	7 398	N	N	3 023	X	X
333514	Special die and tool, die set, jig, and fixture manufacturing	2005.. 102 085	1 580 291	82 189	313 085	S	19 896	6	8
		2004.. 92 126	1 451 195	74 357	313 085	S	17 768	3	7
		2003.. 84 526	1 019 164	68 126	N	N	16 400	8	6
		2002.. 84 463	1 051 534	69 217	N	N	15 246	X	X
333515	Cutting tool and machine tool accessory manufacturing	2005.. 72 040	1 104 228	60 301	D	D	11 740	2	7
		2004.. 66 620	1 055 421	57 276	D	D	9 344	2	8
		2003.. 66 480	910 937	57 341	N	N	9 139	2	2
		2002.. 69 704	923 930	60 850	N	N	8 854	X	X
333516	Rolling mill machinery and equipment manufacturing	2005.. 12 605	118 438	6 442	—	—	6 163	8	23
		2004.. 9 016	96 032	5 217	—	—	3 799	1	5
		2003.. 7 913	78 061	4 810	N	N	3 103	2	2
		2002.. 7 801	74 520	5 243	N	N	2 558	X	X
333518	Other metalworking machinery manufacturing	2005.. 24 439	301 877	16 551	D	119	7 887	4	8
		2004.. 24 170	312 567	16 603	D	—	7 567	4	6
		2003.. 26 251	295 229	18 634	N	N	7 617	1	1
		2002.. 24 622	281 392	17 192	N	N	7 430	X	X
3336	Engine, turbine, and power transmission equipment manufacturing	2005.. 316 392	4 303 004	221 196	D	D	95 195	2	2
		2004.. 277 860	3 956 491	191 457	18 352	D	86 402	2	1
		2003.. 262 903	3 500 387	184 540	N	N	78 362	1	2
		2002.. 250 905	3 703 937	184 381	N	N	66 524	X	X
33361	Engine, turbine, and power transmission equipment manufacturing	2005.. 316 392	4 303 004	221 196	D	D	95 195	2	2
		2004.. 277 860	3 956 491	191 457	18 352	D	86 402	2	1
		2003.. 262 903	3 500 387	184 540	N	N	78 362	1	2
		2002.. 250 905	3 703 937	184 381	N	N	66 524	X	X
333611	Turbine and turbine generator set unit manufacturing	2005.. 54 257	710 722	43 124	D	D	11 133	7	7
		2004.. 41 546	576 659	33 910	D	—	7 636	8	9
		2003.. 43 444	520 257	33 735	N	N	9 709	2	3
		2002.. 41 924	522 585	31 260	N	N	10 664	X	X
333612	Speed changer, industrial high-speed drive, and gear manufacturing	2005.. 34 836	450 538	22 483	—	D	12 353	3	3
		2004.. 30 384	421 595	20 754	—	—	9 629	2	3
		2003.. 29 680	352 213	19 680	N	N	10 000	1	1
		2002.. 31 032	390 530	20 634	N	N	10 398	X	X
333613	Mechanical power transmission equipment manufacturing	2005.. 47 993	616 141	32 480	—	—	15 513	2	2
		2004.. 44 126	578 062	30 596	—	—	13 530	1	2
		2003.. 43 469	521 251	30 424	N	N	13 045	1	2
		2002.. 42 337	588 964	31 741	N	N	10 596	X	X
333618	Other engine equipment manufacturing	2005.. 179 305	2 525 603	123 109	D	D	56 196	3	3
		2004.. 161 804	2 380 175	106 198	D	D	55 607	3	2
		2003.. 146 311	2 106 666	100 702	N	N	45 609	2	3
		2002.. 135 612	2 201 858	100 746	N	N	34 866	X	X
3339	Other general purpose machinery manufacturing	2005.. 566 044	7 385 094	413 006	4 171	D	153 039	2	2
		2004.. 491 109	6 781 937	368 232	9 024	D	122 877	1	2
		2003.. 462 870	5 755 287	352 986	N	N	109 884	1	2
		2002.. 466 683	5 648 656	344 271	N	N	122 412	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

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			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
333	Machinery manufacturing—Con.								
3339	Other general purpose machinery manufacturing—Con.								
33391	Pump and compressor manufacturing	2005.. 116 849	1 464 081	86 140	—	D	30 708	7	2
		2004.. 102 810	1 375 598	79 020	D	—	23 789	3	5
		2003.. 101 827	1 223 492	78 594	N	N	23 233	6	3
		2002.. 102 443	1 330 594	80 091	N	N	22 352	X	X
333911	Pump and pumping equipment manufacturing	2005.. 59 909	780 147	44 003	—	D	15 906	3	2
		2004.. 57 789	793 736	44 205	D	—	13 584	2	3
		2003.. 55 493	679 806	42 902	N	N	12 591	2	5
		2002.. 60 453	819 260	47 977	N	N	12 476	X	X
333912	Air and gas compressor manufacturing	2005.. 50 137	580 298	36 756	—	—	13 381	15	2
		2004.. 38 803	488 168	29 810	—	—	8 993	7	12
		2003.. 39 864	452 899	30 191	N	N	9 673	15	1
		2002.. 36 142	430 063	27 140	N	N	9 002	X	X
333913	Measuring and dispensing pump manufacturing	2005.. 6 803	103 635	5 382	—	—	1 422	1	2
		2004.. 6 217	93 694	5 005	—	—	1 212	1	1
		2003.. 6 470	90 787	5 501	N	N	969	1	1
		2002.. 5 848	81 271	4 974	N	N	874	X	X
33392	Material handling equipment manufacturing	2005.. 142 133	1 673 064	92 995	D	—	49 138	2	4
		2004.. 114 950	1 423 868	78 128	D	—	36 822	1	3
		2003.. 108 407	1 196 854	74 808	N	N	33 599	1	2
		2002.. 117 093	1 093 082	67 898	N	N	49 195	X	X
33392M	Material handling equipment manufacturing	2005.. 142 133	1 673 064	92 995	D	—	49 138	2	4
		2004.. 114 950	1 423 868	78 128	D	—	36 822	1	3
		2003.. 108 407	1 196 854	74 808	N	N	33 599	1	2
		2002.. 117 093	1 093 082	67 898	N	N	49 195	X	X
33399	All other general purpose machinery manufacturing	2005.. 307 063	4 247 949	233 870	D	35 002	73 193	2	2
		2004.. 273 349	3 982 471	211 084	D	34 320	62 265	2	2
		2003.. 252 636	3 334 920	199 583	N	N	53 052	1	3
		2002.. 247 147	3 224 980	196 282	N	N	50 865	X	X
333991	Power-driven hand tool manufacturing	2005.. 24 463	347 448	19 666	—	—	4 797	8	2
		2004.. 20 081	329 006	17 203	—	—	2 878	6	3
		2003.. 20 832	327 340	17 337	N	N	3 495	1	1
		2002.. 20 605	333 907	17 754	N	N	2 851	X	X
333993	Packaging machinery manufacturing	2005.. 26 008	347 822	20 278	—	—	5 730	3	5
		2004.. 23 930	347 791	19 462	—	—	4 469	2	5
		2003.. 23 569	296 496	19 652	N	N	3 917	2	19
		2002.. 23 996	293 063	19 409	N	N	4 587	X	X
333994	Industrial process furnace and oven manufacturing	2005.. 26 796	330 194	20 329	D	—	6 467	4	10
		2004.. 16 577	209 454	12 190	D	—	4 388	4	9
		2003.. 13 472	160 907	11 163	N	N	2 309	6	39
		2002.. 15 084	167 719	11 393	N	N	3 691	X	X
33399N	Fluid power equipment manufacturing	2005.. 83 127	1 279 678	65 381	57	—	17 746	2	4
		2004.. 71 708	1 163 445	57 896	57	—	13 812	3	4
		2003.. 66 363	979 823	54 818	N	N	11 545	1	1
		2002.. 61 553	874 133	51 873	N	N	9 680	X	X
33399P	All other miscellaneous general purpose machinery manufacturing	2005.. 146 669	1 942 808	108 216	65	35 002	38 453	3	4
		2004.. 141 053	1 932 776	104 334	65	34 320	36 719	3	3
		2003.. 128 400	1 570 355	96 613	N	N	31 787	1	3
		2002.. 125 909	1 556 158	95 853	N	N	30 056	X	X
334	Computer and electronic product manufacturing	2005.. 2 554 321	34 611 590	2 138 233	14 D	D	416 088	1	1
		2004.. 2 405 848	34 197 309	2 066 625	14 D	D	339 223	1	1
		2003.. 2 414 422	33 029 951	2 048 182	N	N	366 240	1	2
		2002.. 2 458 173	32 566 844	2 039 902	N	N	418 271	X	X
3341	Computer and peripheral equipment manufacturing	2005.. 208 064	2 768 675	164 235	—	—	43 829	1	1
		2004.. 175 482	2 632 782	145 858	D	—	29 625	1	1
		2003.. 195 719	2 562 466	163 261	N	N	32 458	2	1
		2002.. 214 321	2 722 618	169 223	N	N	45 098	X	X
33411	Computer and peripheral equipment manufacturing	2005.. 208 064	2 768 675	164 235	—	—	43 829	1	1
		2004.. 175 482	2 632 782	145 858	D	—	29 625	1	1
		2003.. 195 719	2 562 466	163 261	N	N	32 458	2	1
		2002.. 214 321	2 722 618	169 223	N	N	45 098	X	X
334111	Electronic computer manufacturing	2005.. 56 105	917 670	49 218	—	—	6 887	1	1
		2004.. 50 092	908 401	46 676	D	—	3 416	1	1
		2003.. 50 561	685 720	45 856	N	N	4 706	1	1
		2002.. 61 172	700 981	43 325	N	N	17 847	X	X

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Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

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			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
334	Computer and electronic product manufacturing—Con.								
3341	Computer and peripheral equipment manufacturing—Con.								
33411	Computer and peripheral equipment manufacturing—Con.								
334112	Computer storage device manufacturing								
	2005..	D	618 430	42 914	—	—	D	2	S
	2004..	44 147	604 502	39 008	—	—	5 139	2	1
	2003..	66 930	837 977	59 415	N	N	7 516	2	2
	2002..	66 785	894 028	62 622	N	N	4 163	X	X
334113	Computer terminal manufacturing								
	2005..	D	36 192	1 616	—	—	D	19	S
	2004..	1 822	34 381	1 513	—	—	309	9	25
	2003..	3 476	44 858	2 979	N	N	497	3	1
	2002..	4 060	54 684	3 519	N	N	541	X	X
334119	Other computer peripheral equipment manufacturing								
	2005..	99 603	1 196 382	70 487	—	—	29 115	1	1
	2004..	79 421	1 085 498	58 661	—	—	20 760	2	1
	2003..	74 751	993 911	55 011	N	N	19 740	5	1
	2002..	82 304	1 072 925	59 757	N	N	22 547	X	X
3342	Communications equipment manufacturing								
	2005..	270 816	3 216 639	202 995	S	—	67 820	2	4
	2004..	251 755	3 086 353	199 784	S	—	51 971	2	2
	2003..	264 450	2 665 817	197 025	N	N	67 425	3	1
	2002..	257 889	2 321 658	172 902	N	N	84 987	X	X
33421	Telephone apparatus manufacturing								
	2005..	98 967	1 019 879	59 848	S	—	39 119	8	6
	2004..	87 263	1 021 566	60 600	S	—	26 664	7	3
	2003..	113 173	1 015 013	69 017	N	N	44 157	4	1
	2002..	106 064	647 810	45 547	N	N	60 517	X	X
334210	Telephone apparatus manufacturing								
	2005..	98 967	1 019 879	59 848	S	—	39 119	8	6
	2004..	87 263	1 021 566	60 600	S	—	26 664	7	3
	2003..	113 173	1 015 013	69 017	N	N	44 157	4	1
	2002..	106 064	647 810	45 547	N	N	60 517	X	X
33422	Radio and television broadcasting and wireless communications equipment manufacturing								
	2005..	133 980	1 657 611	117 208	—	—	16 771	1	7
	2004..	134 307	1 701 212	118 979	—	—	15 328	1	6
	2003..	118 128	1 370 022	103 895	N	N	14 233	5	3
	2002..	115 565	1 392 092	100 336	N	N	15 229	X	X
334220	Radio and television broadcasting and wireless communications equipment manufacturing								
	2005..	133 980	1 657 611	117 208	—	—	16 771	1	7
	2004..	134 307	1 701 212	118 979	—	—	15 328	1	6
	2003..	118 128	1 370 022	103 895	N	N	14 233	5	3
	2002..	115 565	1 392 092	100 336	N	N	15 229	X	X
33429	Other communications equipment manufacturing								
	2005..	37 868	539 149	25 939	—	—	11 929	2	3
	2004..	30 185	363 575	20 206	—	—	9 979	2	2
	2003..	33 149	280 782	24 114	N	N	9 035	9	8
	2002..	36 260	281 756	27 019	N	N	9 241	X	X
334290	Other communications equipment manufacturing								
	2005..	37 868	539 149	25 939	—	—	11 929	2	3
	2004..	30 185	363 575	20 206	—	—	9 979	2	2
	2003..	33 149	280 782	24 114	N	N	9 035	9	8
	2002..	36 260	281 756	27 019	N	N	9 241	X	X
3343	Audio and video equipment manufacturing								
	2005..	37 096	475 384	27 253	—	D	9 843	2	1
	2004..	36 103	486 057	28 646	—	D	7 457	1	1
	2003..	32 476	533 922	27 206	N	N	5 270	2	3
	2002..	41 505	651 481	31 706	N	N	9 799	X	X
33431	Audio and video equipment manufacturing								
	2005..	37 096	475 384	27 253	—	D	9 843	2	1
	2004..	36 103	486 057	28 646	—	D	7 457	1	1
	2003..	32 476	533 922	27 206	N	N	5 270	2	3
	2002..	41 505	651 481	31 706	N	N	9 799	X	X
334310	Audio and video equipment manufacturing								
	2005..	37 096	475 384	27 253	—	D	9 843	2	1
	2004..	36 103	486 057	28 646	—	D	7 457	1	1
	2003..	32 476	533 922	27 206	N	N	5 270	2	3
	2002..	41 505	651 481	31 706	N	N	9 799	X	X
3344	Semiconductor and other electronic component manufacturing								
	2005..	1 273 335	18 085 788	1 096 332	—	—	177 004	2	2
	2004..	1 209 135	17 981 811	1 058 567	—	—	150 569	2	3
	2003..	1 254 020	18 514 425	1 088 689	N	N	165 331	1	3
	2002..	1 297 017	18 832 904	1 120 100	N	N	176 917	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

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			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		F	C	F
			Quantity (1,000 kWh)	Cost (\$1,000)						
			A	B	C	D		E		
334	Computer and electronic product manufacturing—Con.									
3344	Semiconductor and other electronic component manufacturing—Con.									
33441	Semiconductor and other electronic component manufacturing	2005.. 1 273 335	18 085 788	1 096 332	—	—	177 004	2	2	
		2004.. 1 209 135	17 981 811	1 058 567	—	—	150 569	2	3	
		2003.. 1 254 020	18 514 425	1 088 689	N	N	165 331	1	3	
		2002.. 1 297 017	18 832 904	1 120 100	N	N	176 917	X	X	
334411	Electron tube manufacturing	2005.. 25 184	291 650	19 799	—	—	5 385	3	3	
		2004.. 35 216	429 113	26 150	—	—	9 066	1	2	
		2003.. 46 111	579 834	32 376	N	N	13 735	1	1	
		2002.. 51 343	739 750	36 993	N	N	14 350	X	X	
334412	Bare printed circuit board manufacturing	2005.. 106 012	1 407 627	88 019	—	—	17 993	3	6	
		2004.. 116 500	1 564 273	98 161	—	—	18 340	3	5	
		2003.. 108 739	1 254 126	87 960	N	N	20 778	3	1	
		2002.. 124 563	1 378 886	101 159	N	N	23 404	X	X	
334413	Semiconductor and related device manufacturing.....	2005.. 816 873	12 313 852	710 795	—	—	106 078	2	3	
		2004.. 747 310	11 958 100	664 010	—	—	83 299	2	4	
		2003.. 782 379	12 801 394	692 559	N	N	89 819	1	5	
		2002.. 806 009	12 823 180	704 731	N	N	101 278	X	X	
334414	Electronic capacitor manufacturing	2005.. D	300 171	18 274	—	—	D	10	S	
		2004.. 21 737	333 683	19 199	—	—	2 538	10	31	
		2003.. 21 525	335 581	18 474	N	N	3 051	4	2	
		2002.. 28 890	425 387	25 054	N	N	3 836	X	X	
334415	Electronic resistor manufacturing	2005.. D	178 078	12 296	—	—	D	4	S	
		2004.. 13 337	186 810	12 319	—	—	1 018	3	15	
		2003.. 11 929	163 245	10 521	N	N	1 408	2	4	
		2002.. 10 744	142 930	9 489	N	N	1 255	X	X	
334416	Electronic coil, transformer, and other inductor manufacturing ...	2005.. 12 610	130 499	9 995	—	—	2 615	4	7	
		2004.. 12 331	135 547	9 712	—	—	2 619	2	8	
		2003.. 10 413	121 183	8 947	N	N	1 466	3	55	
		2002.. 9 335	102 205	7 171	N	N	2 164	X	X	
334417	Electronic connector manufacturing	2005.. 44 582	572 044	38 953	—	—	5 629	2	7	
		2004.. 42 334	529 331	37 912	—	—	4 422	2	9	
		2003.. 39 940	463 701	33 822	N	N	6 118	3	1	
		2002.. 41 225	457 450	36 147	N	N	5 078	X	X	
334418	Printed circuit assembly (electronic assembly) manufacturing	2005.. 150 662	1 908 843	128 194	—	—	22 467	13	7	
		2004.. 141 793	1 863 708	124 798	—	—	16 995	15	10	
		2003.. 145 556	1 784 595	129 139	N	N	16 417	3	4	
		2002.. 131 524	1 657 166	117 593	N	N	13 931	X	X	
334419	Other electronic component manufacturing	2005.. 83 681	983 025	70 006	—	—	13 675	4	5	
		2004.. 78 578	981 247	66 306	—	—	12 272	3	5	
		2003.. 87 428	1 010 765	74 890	N	N	12 538	2	9	
		2002.. 93 384	1 105 950	81 763	N	N	11 621	X	X	
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2005.. 642 317	8 378 003	543 775	D	D	98 542	2	2	
		2004.. 620 422	8 265 760	538 311	11 245	D	82 111	3	2	
		2003.. 567 775	7 463 091	487 639	N	N	80 136	1	1	
		2002.. 548 952	6 809 704	464 191	N	N	84 761	X	X	
33451	Navigational, measuring, medical, and control instruments manufacturing	2005.. 642 317	8 378 003	543 775	D	D	98 542	2	2	
		2004.. 620 422	8 265 760	538 311	11 245	D	82 111	3	2	
		2003.. 567 775	7 463 091	487 639	N	N	80 136	1	1	
		2002.. 548 952	6 809 704	464 191	N	N	84 761	X	X	
334510	Electromedical and electrotherapeutic apparatus manufacturing	2005.. 87 079	1 035 706	70 753	—	S	16 325	7	3	
		2004.. 74 833	1 017 158	63 154	—	S	11 679	3	2	
		2003.. 62 493	852 034	52 093	N	N	10 400	1	1	
		2002.. 55 651	746 427	46 548	N	N	9 103	X	X	
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2005.. 238 697	3 086 474	204 630	D	D	34 067	4	5	
		2004.. 248 787	3 051 055	216 519	D	D	32 268	7	6	
		2003.. 240 504	3 241 396	208 049	N	N	32 455	1	1	
		2002.. 255 654	3 160 255	216 099	N	N	39 555	X	X	
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use .	2005.. 20 403	263 570	15 565	A	—	4 839	2	8	
		2004.. 19 424	264 357	15 971	A	—	3 454	1	5	
		2003.. 18 845	255 308	15 692	N	N	3 153	3	3	
		2002.. 21 446	292 816	17 803	N	N	3 643	X	X	

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			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
			A	B	C	D		E	F
334	Computer and electronic product manufacturing—Con.								
3345	Navigational, measuring, electromedical, and control instruments manufacturing—Con.								
33451	Navigational, measuring, medical, and control instruments manufacturing—Con.								
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	2005.. 55 730	703 405	44 991	S	S	10 739	2	4
		2004.. 47 056	619 044	39 121	S	S	7 935	2	4
		2003.. 46 701	563 902	39 479	N	N	7 222	1	3
		2002.. 44 587	545 084	37 889	N	N	6 698	X	X
334514	Totalizing fluid meter and counting device manufacturing	2005.. 33 056	449 849	23 774	D	—	9 283	1	3
		2004.. 27 005	398 005	20 371	—	—	6 634	1	1
		2003.. 21 692	314 894	15 693	N	N	5 999	1	1
		2002.. 22 226	320 639	17 144	N	N	5 082	X	X
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2005.. 86 363	1 153 524	81 196	D	D	5 167	3	9
		2004.. 99 025	1 426 850	94 058	D	D	4 967	4	5
		2003.. 75 061	1 000 897	69 729	N	N	5 332	3	6
		2002.. 58 910	701 152	53 345	N	N	5 565	X	X
334516	Analytical laboratory instrument manufacturing	2005.. 46 915	716 213	40 526	—	—	6 389	3	5
		2004.. 39 720	598 861	33 741	—	—	5 979	3	4
		2003.. 45 654	542 385	38 578	N	N	7 075	6	4
		2002.. 36 009	371 826	28 494	N	N	7 515	X	X
334517	Irradiation apparatus manufacturing	2005.. 22 362	289 050	18 694	—	—	3 668	1	4
		2004.. 20 295	277 819	17 274	—	—	3 021	2	4
		2003.. 17 617	199 539	14 667	N	N	2 950	3	2
		2002.. 14 887	168 494	12 738	N	N	2 149	X	X
334518	Watch, clock, and parts manufacturing	2005.. 3 182	37 036	2 521	—	—	661	4	8
		2004.. 3 427	44 893	2 764	—	—	663	3	7
		2003.. 3 585	45 246	3 010	N	N	575	8	21
		2002.. 4 045	49 872	3 291	N	N	754	X	X
334519	Other measuring and controlling device manufacturing	2005.. 48 529	643 175	41 124	D	S	7 405	4	4
		2004.. 40 850	567 718	35 338	D	S	5 512	4	5
		2003.. 35 624	447 490	30 649	N	N	4 975	3	2
		2002.. 35 537	453 139	30 840	N	N	4 697	X	X
3346	Manufacturing and reproducing magnetic and optical media	2005.. 122 694	1 687 101	103 642	2 756	—	19 051	2	4
		2004.. 112 949	1 744 546	95 458	D	—	17 491	1	1
		2003.. 99 982	1 290 230	84 362	N	N	15 619	2	14
		2002.. 98 489	1 228 479	81 780	N	N	16 709	X	X
33461	Manufacturing and reproducing magnetic and optical media	2005.. 122 694	1 687 101	103 642	2 756	—	19 051	2	4
		2004.. 112 949	1 744 546	95 458	D	—	17 491	1	1
		2003.. 99 982	1 290 230	84 362	N	N	15 619	2	14
		2002.. 98 489	1 228 479	81 780	N	N	16 709	X	X
334611	Software reproducing	2005.. 5 289	65 667	4 385	—	—	904	4	4
		2004.. 5 968	91 737	5 183	—	—	784	4	5
		2003.. 7 247	76 420	5 274	N	N	1 973	5	10
		2002.. 6 170	68 668	4 877	N	N	1 293	X	X
334612	Prerecorded compact disc (except software), tape, and record reproducing	2005.. D	1 085 889	D	—	—	5 250	S	14
		2004.. D	1 047 771	D	—	—	5 212	S	3
		2003.. 63 877	843 275	58 109	N	N	5 768	3	38
		2002.. 62 963	838 472	55 528	N	N	7 435	X	X
334613	Magnetic and optical recording media manufacturing	2005.. D	535 545	D	2 756	—	12 898	S	1
		2004.. D	605 038	D	D	—	11 494	S	1
		2003.. 28 858	370 535	20 980	N	N	7 878	3	1
		2002.. 29 356	321 339	21 375	N	N	7 981	X	X
335	Electrical equipment, appliance, and component manufacturing	2005.. 1 185 058	14 970 737	811 882	29 775	D	373 176	1	1
		2004.. 1 034 579	14 338 224	742 530	21 224	D	292 048	1	1
		2003.. 1 036 801	13 594 810	757 363	N	N	279 437	1	1
		2002.. 1 006 581	13 785 350	752 333	N	N	254 248	X	X
3351	Electric lighting equipment manufacturing	2005.. 135 948	1 502 839	87 411	922	—	48 537	2	2
		2004.. 118 074	1 477 780	81 295	D	—	36 778	1	2
		2003.. 111 194	1 294 424	80 821	N	N	30 373	1	3
		2002.. 111 379	1 311 492	80 662	N	N	30 717	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

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			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
335	Electrical equipment, appliance, and component manufacturing—Con.								
3351	Electric lighting equipment manufacturing—Con.								
33511	Electric lamp bulb and parts manufacturing	2005.. 52 678	551 304	29 761	—	—	22 917	1	1
		2004.. 46 511	679 889	30 989	—	—	15 522	1	1
		2003.. 43 305	595 657	31 823	N	N	11 482	1	5
		2002.. 41 763	605 831	31 151	N	N	10 612	X	X
335110	Electric lamp bulb and parts manufacturing	2005.. 52 678	551 304	29 761	—	—	22 917	1	1
		2004.. 46 511	679 889	30 989	—	—	15 522	1	1
		2003.. 43 305	595 657	31 823	N	N	11 482	1	5
		2002.. 41 763	605 831	31 151	N	N	10 612	X	X
33512	Lighting fixture manufacturing	2005.. 83 270	951 534	57 651	922	—	25 619	3	3
		2004.. 71 563	797 871	50 306	D	—	21 256	2	3
		2003.. 67 889	698 767	48 998	N	N	18 891	2	4
		2002.. 69 616	705 661	49 511	N	N	20 105	X	X
33512M	Lighting fixture manufacturing ...	2005.. 83 270	951 534	57 651	922	—	25 619	3	3
		2004.. 71 563	797 871	50 306	D	—	21 256	2	3
		2003.. 67 889	698 767	48 998	N	N	18 891	2	4
		2002.. 69 616	705 661	49 511	N	N	20 105	X	X
3352	Household appliance manufacturing ..	2005.. 190 107	2 273 018	111 105	D	D	79 002	1	1
		2004.. 168 805	2 341 995	105 460	D	D	63 345	1	1
		2003.. 168 894	2 313 237	108 075	N	N	60 819	1	1
		2002.. 155 852	2 308 937	106 511	N	N	49 341	X	X
33521	Small electrical appliance manufacturing	2005.. 24 749	349 681	17 769	—	—	6 980	1	1
		2004.. 25 854	369 631	18 212	—	—	7 642	1	1
		2003.. 27 809	426 781	21 380	N	N	6 429	2	1
		2002.. 29 916	452 213	23 760	N	N	6 156	X	X
33521M	Small electrical appliance manufacturing	2005.. 24 749	349 681	17 769	—	—	6 980	1	1
		2004.. 25 854	369 631	18 212	—	—	7 642	1	1
		2003.. 27 809	426 781	21 380	N	N	6 429	2	1
		2002.. 29 916	452 213	23 760	N	N	6 156	X	X
33522	Major appliance manufacturing	2005.. 165 358	1 923 337	93 336	D	D	72 022	1	1
		2004.. 142 951	1 972 364	87 248	D	D	55 703	1	1
		2003.. 141 084	1 886 456	86 694	N	N	54 390	1	1
		2002.. 125 936	1 856 724	82 751	N	N	43 185	X	X
335221	Household cooking appliance manufacturing	2005.. 44 013	401 698	22 049	—	—	21 964	1	2
		2004.. 35 555	402 479	18 698	—	—	16 856	1	2
		2003.. 33 996	355 035	18 958	N	N	15 038	1	1
		2002.. 34 551	384 717	20 623	N	N	13 928	X	X
335222	Household refrigerator and home freezer manufacturing	2005.. 38 995	612 397	29 119	—	—	9 876	1	1
		2004.. D	617 682	28 424	—	—	D	1	S
		2003.. 38 710	666 769	29 623	N	N	9 087	1	1
		2002.. 35 927	664 578	27 762	N	N	8 165	X	X
335224	Household laundry equipment manufacturing	2005.. 45 301	473 505	21 183	—	D	24 118	1	1
		2004.. 37 198	458 275	19 533	—	D	17 665	1	1
		2003.. 37 044	477 880	19 468	N	N	17 576	1	1
		2002.. 30 702	466 614	18 715	N	N	11 987	X	X
335228	Other major household appliance manufacturing	2005.. 37 048	435 737	20 985	D	—	16 064	1	1
		2004.. D	493 928	20 593	D	D	D	2	S
		2003.. 31 334	386 771	18 645	N	N	12 689	5	3
		2002.. 24 756	340 815	15 651	N	N	9 105	X	X
3353	Electrical equipment manufacturing ..	2005.. 269 811	3 345 667	184 219	D	28	85 591	1	3
		2004.. 232 994	3 174 970	167 143	991	S	65 851	1	3
		2003.. 233 277	2 983 944	171 307	N	N	61 970	1	3
		2002.. 234 748	3 058 476	174 843	N	N	59 905	X	X
33531	Electrical equipment manufacturing	2005.. 269 811	3 345 667	184 219	D	28	85 591	1	3
		2004.. 232 994	3 174 970	167 143	991	S	65 851	1	3
		2003.. 233 277	2 983 944	171 307	N	N	61 970	1	3
		2002.. 234 748	3 058 476	174 843	N	N	59 905	X	X
335311	Power, distribution, and specialty transformer manufacturing	2005.. 57 143	623 254	34 247	—	—	22 896	2	1
		2004.. 42 093	563 073	29 139	—	—	12 954	3	2
		2003.. 45 266	557 241	31 544	N	N	13 722	2	2
		2002.. 43 717	565 183	32 456	N	N	11 261	X	X
335312	Motor and generator manufacturing	2005.. 100 750	1 264 656	66 861	D	—	33 890	3	6
		2004.. 93 461	1 269 057	64 230	991	—	29 231	3	7
		2003.. 91 906	1 224 466	65 761	N	N	26 145	1	6
		2002.. 95 476	1 262 875	65 826	N	N	29 650	X	X
335313	Switchgear and switchboard apparatus manufacturing	2005.. 62 167	765 528	42 972	139	—	19 194	3	3
		2004.. 54 277	702 360	38 130	—	—	16 147	2	1
		2003.. 56 195	693 996	41 633	N	N	14 562	5	2
		2002.. 53 917	696 612	41 678	N	N	12 239	X	X

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Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
335	Electrical equipment, appliance, and component manufacturing—Con.								
3353	Electrical equipment manufacturing—Con.								
33531	Electrical equipment manufacturing—Con.								
335314	Relay and industrial control manufacturing	2005.. 49 750	692 228	40 139	—	28	9 611	2	3
		2004.. 43 163	640 480	35 644	S		7 518	2	3
		2003.. 39 909	508 241	32 370	N		7 540	1	2
		2002.. 41 638	533 806	34 883	N		6 755	X	X
3359	Other electrical equipment and component manufacturing	2005.. 589 193	7 849 214	429 146	23 323	784	160 046	1	2
		2004.. 514 706	7 343 499	388 632	14 370	478	126 074	1	1
		2003.. 523 436	7 003 205	397 161	N		126 275	1	2
		2002.. 504 602	7 106 445	390 317	N		114 285	X	X
33591	Battery manufacturing	2005.. 131 413	1 827 006	98 381	—	—	33 032	2	4
		2004.. 115 260	1 786 070	88 699	—	—	26 561	1	3
		2003.. 118 641	1 827 995	92 829	N	N	25 813	2	2
		2002.. 118 449	1 917 856	94 522	N	N	23 927	X	X
335911	Storage battery manufacturing ...	2005.. 108 152	1 442 160	79 434	—	—	28 719	2	4
		2004.. 95 102	1 447 183	71 375	—	—	23 728	1	3
		2003.. 97 886	1 473 850	74 793	N	N	23 093	2	3
		2002.. 98 586	1 583 596	77 138	N	N	21 448	X	X
335912	Primary battery manufacturing ...	2005.. 23 261	384 846	18 947	—	—	4 314	1	3
		2004.. 20 158	338 887	17 324	—	—	2 834	1	4
		2003.. 20 755	354 146	18 036	N	N	2 720	2	1
		2002.. 19 863	334 260	17 384	N	N	2 479	X	X
33592	Communication and energy wire and cable manufacturing	2005.. 150 126	2 187 514	119 360	21 317	—	30 766	1	1
		2004.. 131 982	1 968 561	108 141	12 735	—	23 840	1	1
		2003.. 151 196	2 024 043	121 520	N	N	29 676	1	1
		2002.. 144 403	2 159 764	112 411	N	N	31 992	X	X
33592M	Communication and energy wire and cable manufacturing	2005.. 150 126	2 187 514	119 360	21 317	—	30 766	1	1
		2004.. 131 982	1 968 561	108 141	12 735	—	23 840	1	1
		2003.. 151 196	2 024 043	121 520	N	N	29 676	1	1
		2002.. 144 403	2 159 764	112 411	N	N	31 992	X	X
33593	Wiring device manufacturing	2005.. 127 048	1 706 742	101 963	D	784	25 085	2	4
		2004.. 119 855	1 691 389	98 040	D	478	21 815	1	5
		2003.. 119 144	1 482 683	96 031	N	N	23 113	1	2
		2002.. 115 932	1 496 645	97 087	N	N	18 845	X	X
33593M	Wiring device manufacturing	2005.. 127 048	1 706 742	101 963	D	784	25 085	2	4
		2004.. 119 855	1 691 389	98 040	D	478	21 815	1	5
		2003.. 119 144	1 482 683	96 031	N	N	23 113	1	2
		2002.. 115 932	1 496 645	97 087	N	N	18 845	X	X
33599	All other electrical equipment and component manufacturing	2005.. 180 607	2 127 952	109 443	D	—	71 163	2	3
		2004.. 147 609	1 897 479	93 752	D	—	53 857	2	2
		2003.. 134 455	1 668 484	86 782	N	N	47 673	2	6
		2002.. 125 818	1 532 180	86 297	N	N	39 521	X	X
335991	Carbon and graphite product manufacturing	2005.. 129 904	1 505 082	66 506	—	—	63 398	2	4
		2004.. 110 460	1 445 266	62 481	—	—	47 979	1	2
		2003.. 97 317	1 253 072	55 434	N	N	41 883	2	6
		2002.. 86 599	1 111 047	52 720	N	N	33 879	X	X
335999	All other miscellaneous electrical equipment and component manufacturing	2005.. 50 703	622 869	42 938	D	—	7 765	4	4
		2004.. 37 149	452 213	31 271	D	—	5 878	5	6
		2003.. 37 138	415 412	31 348	N	N	5 790	4	5
		2002.. 39 219	421 133	33 577	N	N	5 642	X	X
336	Transportation equipment manufacturing	2005.. 4 518 356	57 959 575	2 888 626	396 710	224 194	1 629 729	1	1
		2004.. 4 067 654	56 421 560	2 700 452	519 467	D	1 367 203	1	1
		2003.. 3 947 692	52 257 063	2 690 501	N	N	1 257 190	1	1
		2002.. 3 830 549	53 289 543	2 747 960	N	N	1 082 589	X	X
3361	Motor vehicle manufacturing	2005.. 1 049 102	10 993 092	505 341	D	D	543 761	1	1
		2004.. 899 414	10 665 359	455 378	D	D	444 036	1	1
		2003.. 863 516	10 375 601	451 405	N	N	412 111	1	1
		2002.. 763 893	10 631 028	458 062	N	N	305 831	X	X
33611	Automobile and light duty motor vehicle manufacturing	2005.. 969 897	10 108 538	461 004	D	D	508 893	1	1
		2004.. 839 757	9 912 213	455 378	D	D	444 036	S	S
		2003.. 814 537	9 826 894	420 285	N	N	394 252	1	1
		2002.. 715 419	10 025 775	425 759	N	N	289 660	X	X
336111	Automobile manufacturing	2005.. 357 542	3 977 358	183 077	D	—	174 465	1	1
		2004.. 307 256	3 843 550	180 339	D	D	145 565	S	S
		2003.. 325 904	3 926 701	180 339	N	N	145 565	1	1
		2002.. 301 106	4 135 757	176 661	N	N	124 445	X	X

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			Quantity (1,000 kWh)	Cost (\$1,000)						
			A	B	C	D				
336	Transportation equipment manufacturing—Con.									
3361	Motor vehicle manufacturing—Con.									
33611	Automobile and light duty motor vehicle manufacturing—Con.									
336112	Light truck and utility vehicle manufacturing	2005.. 612 355	6 131 180	277 927	—	D	334 428	1	1	
		2004.. 532 501	6 068 663	250 812	D	D	281 689	1	1	
		2003.. 488 633	5 900 193	239 946	N	N	248 687	1	1	
		2002.. 414 313	5 890 018	249 098	N	N	165 215	X	X	
33612	Heavy duty truck manufacturing ...	2005.. 79 205	884 554	44 337	—	—	34 868	2	2	
		2004.. 59 657	753 145	D	—	—	D	S	S	
		2003.. 48 979	548 707	31 120	N	N	17 859	1	3	
		2002.. 48 474	605 253	32 303	N	N	16 171	X	X	
336120	Heavy duty truck manufacturing ..	2005.. 79 205	884 554	44 337	—	—	34 868	2	2	
		2004.. 59 657	753 145	D	—	—	D	S	S	
		2003.. 48 979	548 707	31 120	N	N	17 859	1	3	
		2002.. 48 474	605 253	32 303	N	N	16 171	X	X	
3362	Motor vehicle body and trailer manufacturing	2005.. 192 657	2 458 539	124 771	D	S	67 886	3	3	
		2004.. 152 033	1 990 950	101 064	—	S	50 969	2	3	
		2003.. 138 516	1 507 183	90 278	N	N	48 239	2	2	
		2002.. 127 120	1 406 806	85 125	N	N	41 995	X	X	
33621	Motor vehicle body and trailer manufacturing	2005.. 192 657	2 458 539	124 771	D	S	67 886	3	3	
		2004.. 152 033	1 990 950	101 064	—	S	50 969	2	3	
		2003.. 138 516	1 507 183	90 278	N	N	48 239	2	2	
		2002.. 127 120	1 406 806	85 125	N	N	41 995	X	X	
336211	Motor vehicle body manufacturing	2005.. 71 110	949 897	47 695	D	55	23 415	8	7	
		2004.. 51 437	644 752	34 412	—	55	17 025	3	6	
		2003.. 49 782	549 171	32 758	N	N	17 025	3	3	
		2002.. 50 011	576 204	33 816	N	N	16 195	X	X	
336212	Truck trailer manufacturing	2005.. 44 171	625 594	29 405	—	S	14 766	3	5	
		2004.. 37 414	521 898	24 229	—	S	13 184	2	8	
		2003.. 31 343	396 938	21 667	N	N	9 676	4	4	
		2002.. 26 841	331 284	19 520	N	N	7 321	X	X	
336213	Motor home manufacturing	2005.. 23 929	241 663	14 259	—	—	9 671	1	2	
		2004.. 18 381	205 839	11 887	—	—	6 494	1	3	
		2003.. 18 941	186 063	12 006	N	N	6 935	1	3	
		2002.. 15 240	166 996	10 365	N	N	4 875	X	X	
336214	Travel trailer and camper manufacturing	2005.. 53 447	641 384	33 413	—	S	20 034	4	4	
		2004.. 44 801	618 461	30 535	—	S	14 266	4	5	
		2003.. 38 450	375 010	23 847	N	N	14 603	3	3	
		2002.. 35 028	332 322	21 424	N	N	13 604	X	X	
3363	Motor vehicle parts manufacturing ...	2005.. 2 088 649	29 586 425	1 412 406	D	D	676 243	1	1	
		2004.. 1 904 706	29 097 455	1 321 918	D	D	582 788	1	1	
		2003.. 1 871 653	26 651 642	1 326 660	N	N	544 992	1	1	
		2002.. 1 820 728	27 819 137	1 363 889	N	N	456 839	X	X	
33631	Motor vehicle gasoline engine and engine parts manufacturing	2005.. 324 643	4 779 899	227 565	11 962	D	97 078	2	2	
		2004.. 294 192	4 787 960	212 802	D	D	81 390	2	2	
		2003.. 298 116	4 608 231	217 570	N	N	80 546	1	1	
		2002.. 289 921	4 752 989	224 253	N	N	65 668	X	X	
33631M	Motor vehicle gasoline engine and engine parts manufacturing	2005.. 324 643	4 779 899	227 565	11 962	D	97 078	2	2	
		2004.. 294 192	4 787 960	212 802	D	D	81 390	2	2	
		2003.. 298 116	4 608 231	217 570	N	N	80 546	1	1	
		2002.. 289 921	4 752 989	224 253	N	N	65 668	X	X	
33632	Motor vehicle electrical and electronic equipment manufacturing	2005.. 196 574	2 897 874	140 187	288	D	56 387	1	1	
		2004.. 165 929	2 604 657	120 558	288	D	45 371	1	2	
		2003.. 181 539	2 759 898	138 841	N	N	42 698	1	2	
		2002.. 185 924	2 774 215	147 695	N	N	38 229	X	X	
33632M	Motor vehicle electrical and electronic equipment manufacturing	2005.. 196 574	2 897 874	140 187	288	D	56 387	1	1	
		2004.. 165 929	2 604 657	120 558	288	D	45 371	1	2	
		2003.. 181 539	2 759 898	138 841	N	N	42 698	1	2	
		2002.. 185 924	2 774 215	147 695	N	N	38 229	X	X	
33633	Motor vehicle steering and suspension component (except spring) manufacturing	2005.. 133 179	1 882 487	87 548	D	—	45 631	4	3	
		2004.. 114 725	1 894 171	80 078	—	—	34 647	2	2	
		2003.. 121 753	1 840 692	85 913	N	N	35 840	1	1	
		2002.. 110 367	1 843 889	84 783	N	N	25 584	X	X	
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2005.. 133 179	1 882 487	87 548	D	—	45 631	4	3	
		2004.. 114 725	1 894 171	80 078	—	—	34 647	2	2	
		2003.. 121 753	1 840 692	85 913	N	N	35 840	1	1	
		2002.. 110 367	1 843 889	84 783	N	N	25 584	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
			A	B	C	D		E	F
336	Transportation equipment manufacturing—Con.								
3363	Motor vehicle parts manufacturing—Con.								
33634	Motor vehicle brake system manufacturing	2005.. 137 218	2 248 791	105 963	D	D	31 255	1	5
		2004.. 114 501	1 954 935	89 517	D	D	24 983	1	2
		2003.. 109 932	1 774 437	85 944	N	N	23 988	1	1
		2002.. 107 605	1 738 337	85 594	N	N	22 011	X	X
336340	Motor vehicle brake system manufacturing	2005.. 137 218	2 248 791	105 963	D	D	31 255	1	5
		2004.. 114 501	1 954 935	89 517	D	D	24 983	1	2
		2003.. 109 932	1 774 437	85 944	N	N	23 988	1	1
		2002.. 107 605	1 738 337	85 594	N	N	22 011	X	X
33635	Motor vehicle transmission and power train parts manufacturing ..	2005.. 380 032	5 276 126	234 619	D	D	145 414	3	2
		2004.. 365 987	5 372 794	232 680	D	—	133 306	3	1
		2003.. 345 416	4 941 490	227 284	N	N	118 132	2	1
		2002.. 327 327	5 108 982	234 051	N	N	93 276	X	X
336350	Motor vehicle transmission and power train parts manufacturing	2005.. 380 032	5 276 126	234 619	D	D	145 414	3	2
		2004.. 365 987	5 372 794	232 680	D	—	133 306	3	1
		2003.. 345 416	4 941 490	227 284	N	N	118 132	2	1
		2002.. 327 327	5 108 982	234 051	N	N	93 276	X	X
33636	Motor vehicle seating and interior trim manufacturing	2005.. 94 506	1 406 208	72 147	D	—	22 359	1	3
		2004.. 73 044	1 205 828	56 548	D	—	16 496	1	3
		2003.. 69 475	1 050 831	57 940	N	N	11 535	4	2
		2002.. 69 245	1 026 796	57 168	N	N	12 077	X	X
336360	Motor vehicle seating and interior trim manufacturing	2005.. 94 506	1 406 208	72 147	D	—	22 359	1	3
		2004.. 73 044	1 205 828	56 548	D	—	16 496	1	3
		2003.. 69 475	1 050 831	57 940	N	N	11 535	4	2
		2002.. 69 245	1 026 796	57 168	N	N	12 077	X	X
33637	Motor vehicle metal stamping	2005.. 318 876	4 512 618	223 961	1 302	D	94 915	2	2
		2004.. 317 942	4 755 892	225 204	827	D	92 737	2	2
		2003.. 305 797	4 071 743	216 996	N	N	88 801	2	4
		2002.. 288 037	4 157 821	215 549	N	N	72 488	X	X
336370	Motor vehicle metal stamping	2005.. 318 876	4 512 618	223 961	1 302	D	94 915	2	2
		2004.. 317 942	4 755 892	225 204	827	D	92 737	2	2
		2003.. 305 797	4 071 743	216 996	N	N	88 801	2	4
		2002.. 288 037	4 157 821	215 549	N	N	72 488	X	X
33639	Other motor vehicle parts manufacturing	2005.. 503 622	6 582 422	320 418	—	D	183 204	2	4
		2004.. 458 386	6 521 218	304 531	—	D	153 856	2	3
		2003.. 439 626	5 604 319	296 172	N	N	143 453	1	4
		2002.. 442 302	6 416 108	314 796	N	N	127 506	X	X
336391	Motor vehicle air-conditioning manufacturing	2005.. 41 538	719 188	31 185	—	—	10 353	3	1
		2004.. 40 758	742 999	30 718	—	—	10 041	2	1
		2003.. 43 434	750 307	31 647	N	N	11 787	1	3
		2002.. 70 589	1 691 925	60 538	N	N	10 051	X	X
336399	All other miscellaneous motor vehicle parts manufacturing	2005.. 462 084	5 863 234	289 233	—	D	172 851	2	4
		2004.. 417 628	5 778 219	273 813	—	D	143 815	2	3
		2003.. 396 191	4 854 012	264 525	N	N	131 666	1	4
		2002.. 371 713	4 724 183	254 258	N	N	117 455	X	X
3364	Aerospace product and parts manufacturing	2005.. 842 176	10 593 601	616 467	227 341	D	225 709	1	1
		2004.. 801 302	10 455 356	612 340	325 246	D	188 961	1	1
		2003.. 810 208	10 393 426	630 928	N	N	179 280	1	1
		2002.. 858 668	10 287 094	654 203	N	N	204 465	X	X
33641	Aerospace product and parts manufacturing	2005.. 842 176	10 593 601	616 467	227 341	D	225 709	1	1
		2004.. 801 302	10 455 356	612 340	325 246	D	188 961	1	1
		2003.. 810 208	10 393 426	630 928	N	N	179 280	1	1
		2002.. 858 668	10 287 094	654 203	N	N	204 465	X	X
336411	Aircraft manufacturing	2005.. 215 846	2 899 696	154 269	D	90	61 578	4	2
		2004.. 190 836	2 433 366	141 008	D	90	49 828	4	1
		2003.. 211 408	2 974 386	165 024	N	N	46 384	1	1
		2002.. 239 718	3 175 125	190 451	N	N	49 267	X	X
336412	Aircraft engine and engine parts manufacturing	2005.. 213 563	2 573 417	149 122	D	D	64 441	1	2
		2004.. D	2 428 749	D	D	D	54 432	S	2
		2003.. 185 164	2 159 136	132 223	N	N	52 941	1	1
		2002.. 183 438	2 172 919	130 356	N	N	53 082	X	X
336413	Other aircraft parts and auxiliary equipment manufacturing	2005.. 254 564	3 222 312	187 644	D	S	66 920	1	2
		2004.. 280 619	3 844 549	225 636	D	S	54 982	1	2
		2003.. 273 305	3 587 788	221 869	N	N	51 437	1	4
		2002.. 291 794	3 222 851	218 302	N	N	73 492	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—		
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		F	C	F
			Quantity (1,000 kWh)	Cost (\$1,000)						
			A	B	C	D		E	F	C
336	Transportation equipment manufacturing—Con.									
3364	Aerospace product and parts manufacturing—Con.									
33641	Aerospace product and parts manufacturing—Con.									
336414	Guided missile and space vehicle manufacturing	2005.. 71 693	920 923	D	—	—	D	S	S	
		2004.. 70 272	877 983	D	—	—	D	S	S	
		2003.. 77 894	834 251	N	N	N	14 800	1	1	
		2002.. 78 282	799 689	N	N	N	14 588	X	X	
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2005.. 51 211	639 463	D	—	D	D	S	S	
		2004.. 47 369	578 558	D	—	D	13 723	1	1	
		2003.. 41 847	539 394	N	N	N	9 397	1	1	
		2002.. 43 847	605 267	N	N	N	8 812	X	X	
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2005.. 35 300	337 791	D	—	—	D	S	S	
		2004.. D	292 151	D	—	—	D	S	S	
		2003.. 20 590	298 471	N	N	N	4 322	1	1	
		2002.. 21 589	311 243	N	N	N	5 224	X	X	
3365	Railroad rolling stock manufacturing ..	2005.. 63 449	668 308	D	D	D	28 787	1	2	
		2004.. 55 670	611 287	D	D	D	25 006	1	2	
		2003.. 46 449	435 670	N	N	N	19 285	1	2	
		2002.. 44 248	393 119	N	N	N	17 696	X	X	
33651	Railroad rolling stock manufacturing	2005.. 63 449	668 308	D	D	D	28 787	1	2	
		2004.. 55 670	611 287	D	D	D	25 006	1	2	
		2003.. 46 449	435 670	N	N	N	19 285	1	2	
		2002.. 44 248	393 119	N	N	N	17 696	X	X	
336510	Railroad rolling stock manufacturing	2005.. 63 449	668 308	D	D	D	28 787	1	2	
		2004.. 55 670	611 287	D	D	D	25 006	1	2	
		2003.. 46 449	435 670	N	N	N	19 285	1	2	
		2002.. 44 248	393 119	N	N	N	17 696	X	X	
3366	Ship and boat building	2005.. 190 605	2 673 259	D	D	350	51 869	5	2	
		2004.. 180 728	2 640 159	D	D	350	47 393	5	4	
		2003.. 159 347	2 137 517	N	N	N	37 703	1	2	
		2002.. 151 229	1 967 879	N	N	N	33 225	X	X	
33661	Ship and boat building	2005.. 190 605	2 673 259	D	D	350	51 869	5	2	
		2004.. 180 728	2 640 159	D	D	350	47 393	5	4	
		2003.. 159 347	2 137 517	N	N	N	37 703	1	2	
		2002.. 151 229	1 967 879	N	N	N	33 225	X	X	
336611	Ship building and repairing	2005.. 124 512	1 957 021	—	—	51	29 303	7	2	
		2004.. 120 968	1 891 892	—	—	51	27 170	7	3	
		2003.. 110 273	1 634 107	N	N	N	21 543	1	1	
		2002.. 103 501	1 489 243	N	N	N	17 977	X	X	
336612	Boat building	2005.. 66 094	716 237	D	D	299	22 566	2	2	
		2004.. 59 760	748 267	D	D	299	20 223	2	7	
		2003.. 49 074	503 410	N	N	N	16 160	3	5	
		2002.. 47 728	478 636	N	N	N	15 248	X	X	
3369	Other transportation equipment manufacturing	2005.. 91 717	986 351	—	—	21	35 475	2	2	
		2004.. 73 802	960 995	D	D	21	28 050	1	1	
		2003.. 58 002	756 024	N	N	N	15 581	4	48	
		2002.. 64 663	784 480	N	N	N	22 538	X	X	
33699	Other transportation equipment manufacturing	2005.. 91 717	986 351	—	—	21	35 475	2	2	
		2004.. 73 802	960 995	D	D	21	28 050	1	1	
		2003.. 58 002	756 024	N	N	N	15 581	4	48	
		2002.. 64 663	784 480	N	N	N	22 538	X	X	
336991	Motorcycle, bicycle, and parts manufacturing	2005.. 40 770	362 709	—	—	—	16 719	4	5	
		2004.. 30 966	410 203	—	—	—	12 204	1	1	
		2003.. 21 913	349 035	N	N	N	A	9	A	
		2002.. 26 889	323 306	N	N	N	9 307	X	X	
336992	Military armored vehicle, tank, and tank component manufacturing	2005.. 13 989	183 981	—	—	21	4 315	2	1	
		2004.. D	142 526	—	—	21	D	2	S	
		2003.. 9 076	107 259	N	N	N	1 767	1	1	
		2002.. 10 736	147 566	N	N	N	2 043	X	X	
336999	All other transportation equipment manufacturing	2005.. 36 957	439 661	—	—	—	14 442	2	1	
		2004.. D	408 266	—	—	—	D	2	S	
		2003.. 27 013	299 730	N	N	N	10 630	2	2	
		2002.. 27 038	313 608	N	N	N	11 188	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—		
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F	
			Quantity (1,000 kWh)	Cost (\$1,000)						
			A	B	C	D		E	F	C
337	Furniture and related product manufacturing	2005..	790 433	9 909 252	546 872	54 897	D	243 561	1	5
		2004..	725 908	9 794 661	523 767	48 648	D	202 141	1	4
		2003..	693 911	8 084 117	508 078	N	N	185 833	1	2
		2002..	682 280	7 922 258	508 310	N	N	173 970	X	X
3371	Household and institutional furniture and kitchen cabinet manufacturing ..	2005..	461 161	6 019 876	333 393	54 038	D	127 768	1	4
		2004..	430 444	6 001 307	323 658	47 194	D	106 786	1	3
		2003..	395 350	4 854 410	303 074	N	N	92 275	1	4
		2002..	409 760	5 001 706	317 120	N	N	92 640	X	X
33711	Wood kitchen cabinet and counter top manufacturing	2005..	174 240	2 174 424	124 627	11 498	D	49 612	2	8
		2004..	150 784	2 028 425	111 384	D	610	39 400	1	5
		2003..	130 236	1 460 509	95 216	N	N	35 020	2	6
		2002..	123 759	1 413 299	90 492	N	N	33 267	X	X
337110	Wood kitchen cabinet and counter top manufacturing	2005..	174 240	2 174 424	124 627	11 498	D	49 612	2	8
		2004..	150 784	2 028 425	111 384	D	610	39 400	1	5
		2003..	130 236	1 460 509	95 216	N	N	35 020	2	6
		2002..	123 759	1 413 299	90 492	N	N	33 267	X	X
33712	Household and institutional furniture manufacturing	2005..	286 921	3 845 452	208 766	42 540	D	78 156	1	4
		2004..	279 660	3 972 882	212 274	D	D	67 386	1	4
		2003..	265 114	3 393 901	207 859	N	N	57 255	2	5
		2002..	286 001	3 588 407	226 628	N	N	59 373	X	X
337121	Upholstered household furniture manufacturing	2005..	74 447	998 041	55 273	364	S	19 174	3	12
		2004..	65 106	892 758	50 079	D	S	15 027	2	12
		2003..	60 056	756 506	48 102	N	N	11 955	6	5
		2002..	58 346	726 183	47 461	N	N	10 885	X	X
337122	Nonupholstered wood household furniture manufacturing	2005..	124 813	1 831 220	96 578	41 567	D	28 235	2	6
		2004..	131 795	1 992 978	105 809	42 494	D	25 986	3	7
		2003..	134 826	1 860 789	109 102	N	N	25 724	1	5
		2002..	151 737	2 031 549	124 083	N	N	27 654	X	X
337127	Institutional furniture manufacturing	2005..	50 347	621 736	33 781	579	—	16 566	3	3
		2004..	45 136	605 385	31 415	579	—	13 721	3	2
		2003..	40 117	416 913	27 351	N	N	12 766	9	8
		2002..	42 744	456 060	30 875	N	N	11 869	X	X
33712N	Other household nonupholstered furniture	2005..	37 314	394 455	23 134	30	—	14 181	4	6
		2004..	37 623	481 761	24 971	30	—	12 652	3	6
		2003..	30 114	359 693	23 303	N	N	6 810	4	36
		2002..	33 174	374 615	24 209	N	N	8 965	X	X
3372	Office furniture (including fixtures) manufacturing	2005..	286 493	3 415 630	182 650	859	D	103 843	2	11
		2004..	258 155	3 339 850	172 294	1 454	S	85 861	2	9
		2003..	261 033	2 792 012	175 200	N	N	85 833	2	2
		2002..	235 688	2 519 355	162 489	N	N	73 199	X	X
33721	Office furniture (including fixtures) manufacturing	2005..	286 493	3 415 630	182 650	859	D	103 843	2	11
		2004..	258 155	3 339 850	172 294	1 454	S	85 861	2	9
		2003..	261 033	2 792 012	175 200	N	N	85 833	2	2
		2002..	235 688	2 519 355	162 489	N	N	73 199	X	X
337212	Custom architectural woodwork and millwork manufacturing	2005..	45 195	575 304	32 919	268	—	12 276	3	6
		2004..	40 181	527 019	29 600	268	—	10 581	3	6
		2003..	38 568	378 867	28 547	N	N	10 021	4	4
		2002..	36 778	384 352	27 214	N	N	9 564	X	X
337215	Showcase, partition, shelving, and locker manufacturing	2005..	127 055	1 375 114	76 459	591	D	50 596	4	8
		2004..	114 558	1 351 915	72 791	1 186	S	41 768	4	6
		2003..	115 773	1 156 914	75 989	N	N	39 784	4	5
		2002..	110 539	1 121 184	74 534	N	N	36 005	X	X
33721N	Office furniture manufacturing	2005..	114 244	1 465 213	73 272	—	—	40 972	2	26
		2004..	103 416	1 460 916	69 904	—	—	33 512	1	22
		2003..	106 692	1 256 231	70 664	N	N	36 028	1	3
		2002..	88 371	1 013 819	60 741	N	N	27 630	X	X
3379	Other furniture related product manufacturing	2005..	42 779	473 746	30 830	—	—	11 949	3	3
		2004..	37 309	453 504	27 816	—	—	9 493	3	2
		2003..	37 529	437 696	29 804	N	N	7 725	3	10
		2002..	36 832	401 197	28 701	N	N	8 131	X	X
33791	Mattress manufacturing	2005..	23 744	240 038	15 875	—	—	7 870	4	4
		2004..	20 455	236 734	14 485	—	—	5 970	4	3
		2003..	19 426	210 533	14 942	N	N	4 484	2	18
		2002..	21 318	213 639	15 640	N	N	5 678	X	X
337910	Mattress manufacturing	2005..	23 744	240 038	15 875	—	—	7 870	4	4
		2004..	20 455	236 734	14 485	—	—	5 970	4	3
		2003..	19 426	210 533	14 942	N	N	4 484	2	18
		2002..	21 318	213 639	15 640	N	N	5 678	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
337	Furniture and related product manufacturing—Con.								
3379	Other furniture related product manufacturing—Con.								
33792	Blind and shade manufacturing	2005.. 19 035	233 708	14 955	—	—	4 080	3	7
		2004.. 16 854	216 770	13 330	—	—	3 523	2	4
		2003.. 18 103	227 163	14 863	N	N	3 240	6	1
		2002.. 15 514	187 558	13 061	N	N	2 453	X	X
337920	Blind and shade manufacturing ..	2005.. 19 035	233 708	14 955	—	—	4 080	3	7
		2004.. 16 854	216 770	13 330	—	—	3 523	2	4
		2003.. 18 103	227 163	14 863	N	N	3 240	6	1
		2002.. 15 514	187 558	13 061	N	N	2 453	X	X
339	Miscellaneous manufacturing	2005.. 1 052 731	13 182 874	802 396	D	D	250 335	1	12
		2004.. 952 573	12 828 930	743 335	S	S	209 239	1	12
		2003.. 917 056	10 717 471	702 797	N	N	214 259	1	1
		2002.. 876 295	10 337 411	682 806	N	N	193 489	X	X
3391	Medical equipment and supplies manufacturing	2005.. 445 703	5 782 880	357 464	D	D	88 240	2	6
		2004.. 394 523	5 489 217	324 847	S	S	69 676	2	6
		2003.. 358 161	4 473 058	295 604	N	N	62 557	3	3
		2002.. 352 917	4 487 270	295 902	N	N	57 015	X	X
33911	Medical equipment and supplies manufacturing	2005.. 445 703	5 782 880	357 464	D	D	88 240	2	6
		2004.. 394 523	5 489 217	324 847	S	S	69 676	2	6
		2003.. 358 161	4 473 058	295 604	N	N	62 557	3	3
		2002.. 352 917	4 487 270	295 902	N	N	57 015	X	X
339111	Laboratory apparatus and furniture manufacturing	2005.. 35 185	411 343	24 263	—	—	10 923	3	6
		2004.. 30 092	359 642	21 714	—	—	8 378	3	6
		2003.. 29 828	296 910	19 571	N	N	10 257	6	12
		2002.. 26 361	285 577	19 814	N	N	6 547	X	X
339112	Surgical and medical instrument manufacturing	2005.. 152 695	2 151 355	127 899	—	—	24 796	2	3
		2004.. 137 481	2 020 122	117 353	—	—	20 128	3	4
		2003.. 124 878	1 617 208	107 336	N	N	17 542	3	2
		2002.. 120 800	1 641 280	105 348	N	N	15 452	X	X
339113	Surgical appliance and supplies manufacturing	2005.. 166 775	1 927 155	126 731	D	D	40 044	4	13
		2004.. 142 457	1 795 183	112 323	S	S	30 134	3	14
		2003.. 135 315	1 675 967	108 026	N	N	27 290	2	3
		2002.. 132 428	1 589 273	105 011	N	N	27 417	X	X
339114	Dental equipment and supplies manufacturing	2005.. 19 696	301 628	16 459	—	—	3 237	6	5
		2004.. 18 389	275 757	15 260	—	—	3 129	5	7
		2003.. 16 367	207 506	14 570	N	N	1 797	9	13
		2002.. 15 597	191 447	13 798	N	N	1 799	X	X
339115	Ophthalmic goods manufacturing	2005.. 48 867	659 201	43 582	—	—	5 285	12	7
		2004.. 45 874	712 122	41 531	—	—	4 343	13	7
		2003.. 33 822	454 938	30 740	N	N	3 081	21	18
		2002.. 40 991	578 806	37 950	N	N	3 041	X	X
339116	Dental laboratories	2005.. 22 486	332 197	18 530	—	—	3 955	3	5
		2004.. 20 229	326 391	16 666	—	—	3 564	3	9
		2003.. 17 951	220 529	15 362	N	N	2 589	4	20
		2002.. 16 740	200 887	13 981	N	N	2 759	X	X
3399	Other miscellaneous manufacturing ..	2005.. 607 027	7 399 994	444 932	959	205	162 096	1	18
		2004.. 558 050	7 339 712	418 488	1 564	297	139 562	1	17
		2003.. 558 895	6 244 413	407 193	N	N	151 702	1	2
		2002.. 523 378	5 850 141	386 904	N	N	136 474	X	X
33991	Jewelry and silverware manufacturing	2005.. 55 726	677 605	42 426	S	—	13 300	2	3
		2004.. 53 316	721 314	42 568	S	—	10 748	2	3
		2003.. 56 788	676 057	42 693	N	N	14 095	5	9
		2002.. 46 965	527 061	35 535	N	N	11 430	X	X
33991M	Jewelry and silverware manufacturing	2005.. 55 726	677 605	42 426	S	—	13 300	2	3
		2004.. 53 316	721 314	42 568	S	—	10 748	2	3
		2003.. 56 788	676 057	42 693	N	N	14 095	5	9
		2002.. 46 965	527 061	35 535	N	N	11 430	X	X
33992	Sporting and athletic goods manufacturing	2005.. D	1 019 691	62 249	D	—	D	4	S
		2004.. 61 132	969 190	56 447	—	—	A	5	S
		2003.. 89 174	886 980	60 914	N	N	28 260	2	3
		2002.. 81 134	883 084	57 630	N	N	23 504	X	X
339920	Sporting and athletic goods manufacturing	2005.. D	1 019 691	62 249	D	—	D	4	S
		2004.. 61 132	969 190	56 447	—	—	A	5	S
		2003.. 89 174	886 980	60 914	N	N	28 260	2	3
		2002.. 81 134	883 084	57 630	N	N	23 504	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated (1,000 kWh)	Sold or transferred (1,000 kWh)		C	F
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	F	C	F
339	Miscellaneous manufacturing—Con.								
3399	Other miscellaneous manufacturing—Con.								
33993	Doll, toy, and game manufacturing	D	392 385	24 383	—	—	D	5	S
	2005..								
	2004..	34 736	399 473	25 469	—	—	9 266	4	7
	2003..	34 150	388 569	25 665	N	N	8 485	6	5
	2002..	30 308	331 436	22 510	N	N	7 798	X	X
33993M	Doll, toy, and game manufacturing	D	392 385	24 383	—	—	D	5	S
	2005..								
	2004..	34 736	399 473	25 469	—	—	9 266	4	7
	2003..	34 150	388 569	25 665	N	N	8 485	6	5
	2002..	30 308	331 436	22 510	N	N	7 798	X	X
33994	Office supplies (except paper) manufacturing								
	2005..	36 514	427 957	26 967	D	—	9 547	2	8
	2004..	38 056	473 820	27 949	3	—	10 107	2	8
	2003..	38 474	439 327	28 974	N	N	9 500	2	2
	2002..	37 240	434 557	28 907	N	N	8 333	X	X
33994M	Office supplies (except paper) manufacturing								
	2005..	36 514	427 957	26 967	D	—	9 547	2	8
	2004..	38 056	473 820	27 949	3	—	10 107	2	8
	2003..	38 474	439 327	28 974	N	N	9 500	2	2
	2002..	37 240	434 557	28 907	N	N	8 333	X	X
33995	Sign manufacturing								
	2005..	98 462	1 129 718	66 735	197	—	31 727	3	7
	2004..	86 649	1 061 607	59 453	1 124	—	27 195	3	9
	2003..	81 757	849 215	57 338	N	N	24 418	5	4
	2002..	76 773	805 395	55 892	N	N	20 881	X	X
339950	Sign manufacturing								
	2005..	98 462	1 129 718	66 735	197	—	31 727	3	7
	2004..	86 649	1 061 607	59 453	1 124	—	27 195	3	9
	2003..	81 757	849 215	57 338	N	N	24 418	5	4
	2002..	76 773	805 395	55 892	N	N	20 881	X	X
33999	All other miscellaneous manufacturing								
	2005..	315 514	3 752 638	222 173	972	205	93 341	1	2
	2004..	284 162	3 714 309	206 600	D	297	77 562	2	1
	2003..	258 552	3 004 266	191 609	N	N	66 943	1	2
	2002..	250 958	2 868 608	186 430	N	N	64 528	X	X
339991	Gasket, packing, and sealing device manufacturing								
	2005..	107 244	1 224 510	78 418	D	D	28 826	2	3
	2004..	102 207	1 285 346	74 707	D	—	27 499	1	2
	2003..	89 533	1 067 316	67 403	N	N	22 130	1	3
	2002..	87 551	1 035 494	68 176	N	N	19 375	X	X
339992	Musical instrument manufacturing								
	2005..	20 829	216 941	13 789	—	D	7 040	2	3
	2004..	17 072	195 488	12 309	—	D	4 762	1	3
	2003..	16 116	156 638	11 662	N	N	4 454	8	2
	2002..	17 223	170 563	12 905	N	N	4 318	X	X
339993	Fastener, button, needle, and pin manufacturing								
	2005..	15 952	198 614	10 328	—	—	5 624	5	4
	2004..	15 378	214 683	10 563	—	—	4 815	3	3
	2003..	14 005	202 868	11 002	N	N	3 003	3	8
	2002..	14 648	216 460	11 514	N	N	3 134	X	X
339994	Broom, brush, and mop manufacturing								
	2005..	18 541	275 010	14 971	—	—	3 570	5	9
	2004..	17 649	257 349	14 232	—	—	3 416	3	8
	2003..	17 236	213 365	13 050	N	N	4 186	6	10
	2002..	16 115	192 549	12 305	N	N	3 810	X	X
339995	Burial casket manufacturing								
	2005..	12 005	138 114	7 342	—	—	4 663	5	3
	2004..	11 032	101 616	6 714	—	—	4 317	4	4
	2003..	11 458	128 443	8 625	N	N	2 833	1	4
	2002..	10 946	66 015	4 790	N	N	6 156	X	X
339999	All other miscellaneous manufacturing								
	2005..	140 943	1 699 449	97 325	D	D	43 618	2	4
	2004..	120 825	1 659 827	88 074	D	D	32 751	4	3
	2003..	110 204	1 235 635	79 867	N	N	30 337	2	4
	2002..	104 475	1 187 527	76 740	N	N	27 735	X	X

¹For a comparison of the Annual Survey of Manufactures (ASM) general statistics NAICS-based codes to the 2002 Economic Census NAICS codes, see Appendix F.

²Description of relative standard error of estimate is given in Appendix C. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note 1: Previous years' data may differ from that published in the 2004 Annual Survey of Manufactures (ASM) because of changes encountered in subsequent review of the 2005 ASM.

Note 2: The data in this table are based on the 2005 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures	
31-33	Manufacturing	2005.. 128 325 224	18 646 570	109 678 653	3 113 380	6 568 866	99 996 407	1
		2004.. 113 793 133	16 806 796	96 986 337	2 515 295	6 609 522	87 861 520	1
		2003.. 112 175 561	15 905 260	96 270 302	2 920 646	7 610 753	85 738 903	1
		2002.. 123 066 761	20 042 317	103 024 444	3 358 852	7 882 227	91 783 365	X
311	Food manufacturing	2005.. 12 068 296	2 387 386	9 680 910	288 717	368 609	9 023 584	1
		2004.. 11 162 993	2 099 542	9 063 451	263 415	375 854	8 424 182	1
		2003.. 10 912 509	2 020 740	8 891 769	320 665	580 021	7 991 083	2
		2002.. 10 936 876	2 068 716	8 868 160	356 202	525 342	7 986 616	X
3111	Animal food manufacturing	2005.. 657 832	142 034	515 798	36 188	27 827	451 782	3
		2004.. 609 625	92 429	517 196	28 392	23 481	465 322	7
		2003.. 698 131	168 682	529 449	26 321	21 555	481 573	25
		2002.. 576 171	107 161	469 010	32 272	28 483	408 255	X
31111	Animal food manufacturing	2005.. 657 832	142 034	515 798	36 188	27 827	451 782	3
		2004.. 609 625	92 429	517 196	28 392	23 481	465 322	7
		2003.. 698 131	168 682	529 449	26 321	21 555	481 573	25
		2002.. 576 171	107 161	469 010	32 272	28 483	408 255	X
311111	Dog and cat food manufacturing	2005.. 270 786	51 884	218 902	4 837	8 746	205 319	2
		2004.. 275 250	49 756	225 494	2 167	9 219	214 108	3
		2003.. 270 453	27 504	242 950	5 313	8 341	229 296	5
		2002.. 230 196	37 990	192 206	4 094	8 251	179 861	X
311119	Other animal food manufacturing	2005.. 387 046	90 150	296 896	31 351	19 082	246 463	5
		2004.. 334 374	42 673	291 702	26 226	14 262	251 214	13
		2003.. 427 678	141 178	286 500	21 008	13 214	252 277	40
		2002.. 345 975	69 171	276 804	28 178	20 232	228 394	X
3112	Grain and oilseed milling	2005.. 1 282 994	253 407	1 029 588	16 906	21 478	991 203	1
		2004.. 1 209 681	192 911	1 016 770	17 384	22 359	977 027	1
		2003.. 1 131 647	220 342	911 305	10 604	28 840	871 861	1
		2002.. 1 022 322	163 271	859 051	15 048	42 561	801 442	X
31121	Flour milling and malt manufacturing	2005.. 282 291	45 364	236 926	10 210	4 930	221 786	1
		2004.. 343 003	75 310	267 693	13 014	5 626	249 052	1
		2003.. 254 519	65 764	188 755	4 042	5 582	179 131	3
		2002.. 224 527	57 035	167 492	4 920	7 947	154 625	X
31121M	Flour milling and malt manufacturing	2005.. 282 291	45 364	236 926	10 210	4 930	221 786	1
		2004.. 343 003	75 310	267 693	13 014	5 626	249 052	1
		2003.. 254 519	65 764	188 755	4 042	5 582	179 131	3
		2002.. 224 527	57 035	167 492	4 920	7 947	154 625	X
31122	Starch and vegetable fats and oils manufacturing	2005.. 735 391	171 365	564 026	5 686	11 712	546 627	2
		2004.. 640 745	94 339	546 407	3 661	10 997	531 749	1
		2003.. 612 589	119 648	492 941	5 740	17 321	469 880	2
		2002.. 550 365	68 304	482 061	9 258	13 894	458 909	X
311221	Wet corn milling	2005.. 329 023	58 867	270 155	743	4 036	265 377	1
		2004.. 382 345	40 745	341 600	971	7 035	333 594	1
		2003.. 239 923	30 449	209 474	808	8 178	200 488	1
		2002.. 240 628	28 555	212 073	4 388	6 506	201 179	X
311225	Fats and oils refining and blending	2005.. 195 843	44 339	151 504	2 951	5 252	143 301	3
		2004.. 62 347	18 817	43 531	621	1 985	40 924	2
		2003.. 115 209	16 622	98 587	660	3 290	94 636	2
		2002.. 109 812	13 046	96 766	2 154	4 098	90 514	X
31122N	Soybean and other oilseed processing	2005.. 210 525	68 159	142 366	1 993	2 424	137 949	7
		2004.. 196 053	34 777	161 276	2 069	1 976	157 231	1
		2003.. 257 457	72 576	184 880	4 272	5 853	174 755	4
		2002.. 199 925	26 703	173 222	2 716	3 290	167 216	X
31123	Breakfast cereal manufacturing	2005.. 265 313	36 677	228 636	1 010	4 837	222 789	2
		2004.. 225 932	23 262	202 671	709	5 736	196 226	6
		2003.. 264 540	34 930	229 610	822	5 937	222 850	2
		2002.. 247 430	37 932	209 498	870	20 720	187 908	X
311230	Breakfast cereal manufacturing	2005.. 265 313	36 677	228 636	1 010	4 837	222 789	2
		2004.. 225 932	23 262	202 671	709	5 736	196 226	6
		2003.. 264 540	34 930	229 610	822	5 937	222 850	2
		2002.. 247 430	37 932	209 498	870	20 720	187 908	X
3113	Sugar and confectionery product manufacturing	2005.. 744 640	95 204	649 436	8 421	20 175	620 840	2
		2004.. 872 332	134 993	737 338	9 791	20 627	706 921	7
		2003.. 1 026 643	139 925	886 718	12 883	33 343	840 492	3
		2002.. 741 572	105 747	635 825	13 865	39 908	582 052	X
31131	Sugar manufacturing	2005.. 264 218	11 484	252 734	3 760	3 991	244 983	3
		2004.. 229 825	27 984	201 840	5 051	2 871	193 919	3
		2003.. 381 487	30 926	350 561	4 432	5 982	340 147	7
		2002.. 145 519	16 584	128 935	4 649	3 730	120 556	X
311313	Beet sugar manufacturing	2005.. 89 467	4 536	84 931	408	485	84 039	4
		2004.. 70 743	8 746	61 996	960	1 170	59 866	3
		2003.. 94 727	11 177	83 550	1 569	1 400	80 581	28
		2002.. 47 090	4 711	42 379	461	490	41 428	X
31131N	Sugar cane mills and refining	2005.. 174 751	6 949	167 802	3 352	3 506	160 945	3
		2004.. 159 082	19 238	139 844	4 091	1 701	134 053	5
		2003.. 286 760	19 749	267 011	2 863	4 582	259 566	1
		2002.. 98 429	11 873	86 556	4 188	3 240	79 128	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
311	Food manufacturing—Con.								
3113	Sugar and confectionery product manufacturing—Con.								
31132	Chocolate and confectionery manufacturing from cacao beans	2005.. 75 471	10 598	64 873	445	3 913	60 515	4	
		2004.. 85 958	14 896	71 063	583	5 627	64 853	5	
		2003.. 225 757	45 766	179 991	486	4 658	174 848	3	
		2002.. 97 961	14 296	83 665	1 626	3 159	78 880	X	
311320	Chocolate and confectionery manufacturing from cacao beans	2005.. 75 471	10 598	64 873	445	3 913	60 515	4	
		2004.. 85 958	14 896	71 063	583	5 627	64 853	5	
		2003.. 225 757	45 766	179 991	486	4 658	174 848	3	
		2002.. 97 961	14 296	83 665	1 626	3 159	78 880	X	
31133	Confectionery manufacturing from purchased chocolate ...	2005.. 250 800	51 807	198 993	2 866	5 953	190 174	4	
		2004.. 291 477	17 184	274 293	3 179	5 325	265 789	4	
		2003.. 253 068	38 100	214 967	2 198	7 524	205 245	4	
		2002.. 242 040	20 113	221 927	2 939	6 261	212 727	X	
311330	Confectionery manufacturing from purchased chocolate	2005.. 250 800	51 807	198 993	2 866	5 953	190 174	4	
		2004.. 291 477	17 184	274 293	3 179	5 325	265 789	4	
		2003.. 253 068	38 100	214 967	2 198	7 524	205 245	4	
		2002.. 242 040	20 113	221 927	2 939	6 261	212 727	X	
31134	Nonchocolate confectionery manufacturing	2005.. 154 151	21 316	132 836	1 350	6 318	125 167	4	
		2004.. 265 072	74 930	190 143	978	6 804	182 360	23	
		2003.. 166 332	25 134	141 198	5 768	15 179	120 251	11	
		2002.. 256 052	54 754	201 298	4 651	26 758	169 889	X	
311340	Nonchocolate confectionery manufacturing	2005.. 154 151	21 316	132 836	1 350	6 318	125 167	4	
		2004.. 265 072	74 930	190 143	978	6 804	182 360	23	
		2003.. 166 332	25 134	141 198	5 768	15 179	120 251	11	
		2002.. 256 052	54 754	201 298	4 651	26 758	169 889	X	
3114	Fruit and vegetable preserving and specialty food manufacturing	2005.. 1 809 429	314 452	1 494 977	26 830	71 365	1 396 782	2	
		2004.. 1 913 862	353 290	1 560 572	29 287	67 967	1 463 317	3	
		2003.. 1 435 992	220 394	1 215 597	17 707	54 677	1 143 212	4	
		2002.. 1 831 645	357 150	1 474 495	38 651	113 159	1 322 685	X	
31141	Frozen food manufacturing	2005.. 787 355	146 932	640 423	15 058	31 520	593 845	4	
		2004.. 745 146	170 637	574 509	17 791	29 908	526 810	7	
		2003.. 529 145	84 012	445 133	8 453	21 575	415 105	4	
		2002.. 743 479	157 408	586 071	18 414	46 540	521 117	X	
31141M	Frozen food manufacturing	2005.. 787 355	146 932	640 423	15 058	31 520	593 845	4	
		2004.. 745 146	170 637	574 509	17 791	29 908	526 810	7	
		2003.. 529 145	84 012	445 133	8 453	21 575	415 105	4	
		2002.. 743 479	157 408	586 071	18 414	46 540	521 117	X	
31142	Fruit and vegetable canning, pickling, and drying	2005.. 1 022 074	167 520	854 554	11 772	39 845	802 937	2	
		2004.. 1 168 717	182 654	986 063	11 497	38 059	936 507	2	
		2003.. 906 847	136 383	770 465	9 255	33 102	728 108	6	
		2002.. 1 088 166	199 742	888 424	20 237	66 619	801 568	X	
31142M	Fruit and vegetable canning, pickling, and drying	2005.. 1 022 074	167 520	854 554	11 772	39 845	802 937	2	
		2004.. 1 168 717	182 654	986 063	11 497	38 059	936 507	2	
		2003.. 906 847	136 383	770 465	9 255	33 102	728 108	6	
		2002.. 1 088 166	199 742	888 424	20 237	66 619	801 568	X	
3115	Dairy product manufacturing	2005.. 1 780 513	489 123	1 291 390	38 094	48 825	1 204 471	2	
		2004.. 1 565 557	356 018	1 209 539	36 209	46 676	1 126 655	3	
		2003.. 1 786 091	357 765	1 428 326	59 985	180 559	1 187 783	3	
		2002.. 1 735 787	391 025	1 344 762	70 321	60 194	1 214 247	X	
31151	Dairy product (except frozen) manufacturing	2005.. 1 413 923	345 721	1 068 202	30 116	42 213	995 873	2	
		2004.. 1 304 249	294 155	1 010 094	29 277	41 795	939 023	3	
		2003.. 1 595 333	332 470	1 262 864	51 258	176 715	1 034 891	3	
		2002.. 1 503 725	340 072	1 163 653	63 323	54 068	1 046 262	X	
311513	Cheese manufacturing	2005.. 535 947	138 897	397 050	8 092	16 209	372 749	3	
		2004.. 409 090	84 832	324 258	4 124	21 806	298 328	7	
		2003.. 642 128	116 306	525 822	13 801	157 032	354 989	5	
		2002.. 544 040	117 029	427 011	8 935	18 324	399 752	X	
311514	Dry, condensed, and evaporated dairy product manufacturing	2005.. 181 356	41 978	139 378	1 665	4 682	133 031	4	
		2004.. 274 069	44 471	229 598	2 535	7 453	219 610	2	
		2003.. 324 769	87 391	237 378	4 489	5 439	227 450	11	
		2002.. 348 052	81 000	267 052	12 913	16 139	238 000	X	
31151N	Fluid milk and butter manufacturing	2005.. 696 620	164 846	531 773	20 358	21 323	490 092	4	
		2004.. 621 090	164 852	456 238	22 618	12 536	421 085	4	
		2003.. 628 436	128 773	499 663	32 968	14 244	452 452	4	
		2002.. 611 633	142 043	469 590	41 475	19 605	408 510	X	
31152	Ice cream and frozen dessert manufacturing	2005.. 366 590	143 402	223 188	7 978	6 612	208 599	4	
		2004.. 261 308	61 863	199 445	6 932	4 881	187 632	2	
		2003.. 190 758	25 295	165 463	8 727	3 844	152 892	6	
		2002.. 232 062	50 953	181 109	6 998	6 126	167 985	X	
311520	Ice cream and frozen dessert manufacturing	2005.. 366 590	143 402	223 188	7 978	6 612	208 599	4	
		2004.. 261 308	61 863	199 445	6 932	4 881	187 632	2	
		2003.. 190 758	25 295	165 463	8 727	3 844	152 892	6	
		2002.. 232 062	50 953	181 109	6 998	6 126	167 985	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
311	Food manufacturing—Con.								
3116	Animal slaughtering and processing	2005.. 2 377 771	577 856	1 799 915	52 102	57 137	1 690 676	5	
		2004.. 2 156 352	506 157	1 650 196	55 012	66 474	1 528 710	5	
		2003.. 1 819 958	380 048	1 439 910	46 506	76 716	1 316 688	2	
		2002.. 2 041 808	450 496	1 591 312	67 162	98 853	1 425 297	X	
31161	Animal slaughtering and processing	2005.. 2 377 771	577 856	1 799 915	52 102	57 137	1 690 676	5	
		2004.. 2 156 352	506 157	1 650 196	55 012	66 474	1 528 710	5	
		2003.. 1 819 958	380 048	1 439 910	46 506	76 716	1 316 688	2	
		2002.. 2 041 808	450 496	1 591 312	67 162	98 853	1 425 297	X	
311615	Poultry processing	2005.. 874 147	175 818	698 328	17 057	14 180	667 091	2	
		2004.. 816 065	129 091	686 973	20 385	19 298	647 291	3	
		2003.. 639 995	127 548	512 448	12 709	15 144	484 594	4	
		2002.. 679 514	142 053	537 461	18 550	32 337	486 574	X	
31161N	Animal (except poultry) slaughtering and processing.....	2005.. 1 503 624	402 038	1 101 587	35 045	42 956	1 023 585	8	
		2004.. 1 340 288	377 066	963 222	34 628	47 176	881 418	8	
		2003.. 1 179 963	252 500	927 462	33 797	61 572	832 093	3	
		2002.. 1 362 294	308 443	1 053 851	48 612	66 516	938 723	X	
3117	Seafood product preparation and packaging.....	2005.. 161 066	22 803	138 263	8 544	5 703	124 016	4	
		2004.. 159 876	25 474	134 403	9 124	6 267	119 013	4	
		2003.. 161 768	34 596	127 172	9 942	10 886	106 344	6	
		2002.. 202 464	40 018	162 446	8 711	7 327	146 408	X	
31171	Seafood product preparation and packaging.....	2005.. 161 066	22 803	138 263	8 544	5 703	124 016	4	
		2004.. 159 876	25 474	134 403	9 124	6 267	119 013	4	
		2003.. 161 768	34 596	127 172	9 942	10 886	106 344	6	
		2002.. 202 464	40 018	162 446	8 711	7 327	146 408	X	
31171M	Seafood product preparation and packaging.....	2005.. 161 066	22 803	138 263	8 544	5 703	124 016	4	
		2004.. 159 876	25 474	134 403	9 124	6 267	119 013	4	
		2003.. 161 768	34 596	127 172	9 942	10 886	106 344	6	
		2002.. 202 464	40 018	162 446	8 711	7 327	146 408	X	
3118	Bakeries and tortilla manufacturing	2005.. 1 469 346	159 043	1 310 303	53 599	46 586	1 210 118	2	
		2004.. 1 253 215	178 260	1 074 954	39 660	53 963	981 330	4	
		2003.. 1 562 094	313 391	1 248 704	86 786	72 822	1 089 096	5	
		2002.. 1 369 400	206 366	1 163 034	65 646	61 299	1 036 089	X	
31181	Bread and bakery product manufacturing	2005.. 955 056	93 348	861 707	47 163	32 120	782 424	3	
		2004.. 830 685	136 326	694 359	34 370	31 966	628 023	6	
		2003.. 970 686	214 920	755 767	77 784	39 378	638 604	5	
		2002.. 909 962	124 469	785 493	55 316	44 046	686 131	X	
31181M	Bread and bakery product manufacturing	2005.. 955 056	93 348	861 707	47 163	32 120	782 424	3	
		2004.. 830 685	136 326	694 359	34 370	31 966	628 023	6	
		2003.. 970 686	214 920	755 767	77 784	39 378	638 604	5	
		2002.. 909 962	124 469	785 493	55 316	44 046	686 131	X	
31182	Cookie, cracker, and pasta manufacturing	2005.. 479 962	62 309	417 653	3 813	13 082	400 758	2	
		2004.. 377 753	35 916	341 836	3 178	19 293	319 365	4	
		2003.. 542 444	93 233	449 211	5 573	30 915	412 723	9	
		2002.. 406 236	75 173	331 063	7 760	14 085	309 218	X	
31182M	Cookie, cracker, and pasta manufacturing	2005.. 479 962	62 309	417 653	3 813	13 082	400 758	2	
		2004.. 377 753	35 916	341 836	3 178	19 293	319 365	4	
		2003.. 542 444	93 233	449 211	5 573	30 915	412 723	9	
		2002.. 406 236	75 173	331 063	7 760	14 085	309 218	X	
31183	Tortilla manufacturing	2005.. 34 328	3 386	30 943	2 623	1 384	26 936	15	
		2004.. 44 777	6 018	38 759	2 112	2 704	33 943	16	
		2003.. 48 964	5 238	43 726	3 428	2 529	37 769	18	
		2002.. 53 202	6 724	46 478	2 570	3 168	40 740	X	
311830	Tortilla manufacturing	2005.. 34 328	3 386	30 943	2 623	1 384	26 936	15	
		2004.. 44 777	6 018	38 759	2 112	2 704	33 943	16	
		2003.. 48 964	5 238	43 726	3 428	2 529	37 769	18	
		2002.. 53 202	6 724	46 478	2 570	3 168	40 740	X	
3119	Other food manufacturing	2005.. 1 784 705	333 465	1 451 241	48 032	69 512	1 333 697	3	
		2004.. 1 422 493	260 010	1 162 483	38 555	68 041	1 055 888	1	
		2003.. 1 290 183	185 597	1 104 587	49 930	100 622	954 035	2	
		2002.. 1 415 707	247 482	1 168 225	44 526	73 558	1 050 141	X	
31191	Snack food manufacturing	2005.. 491 087	104 966	386 121	8 033	13 126	364 961	10	
		2004.. 420 707	96 462	324 246	6 847	10 853	306 546	1	
		2003.. 407 856	67 124	340 732	20 083	35 212	285 436	3	
		2002.. 475 699	93 164	382 535	13 162	16 495	352 878	X	
31191M	Snack food manufacturing	2005.. 491 087	104 966	386 121	8 033	13 126	364 961	10	
		2004.. 420 707	96 462	324 246	6 847	10 853	306 546	1	
		2003.. 407 856	67 124	340 732	20 083	35 212	285 436	3	
		2002.. 475 699	93 164	382 535	13 162	16 495	352 878	X	
31192	Coffee and tea manufacturing	2005.. 183 653	7 730	175 923	6 005	6 621	163 297	4	
		2004.. 148 185	11 402	136 783	4 016	9 618	123 148	3	
		2003.. 240 634	33 065	207 569	5 289	12 302	189 979	7	
		2002.. 160 176	16 869	143 307	3 184	6 408	133 715	X	
311920	Coffee and tea manufacturing	2005.. 183 653	7 730	175 923	6 005	6 621	163 297	4	
		2004.. 148 185	11 402	136 783	4 016	9 618	123 148	3	
		2003.. 240 634	33 065	207 569	5 289	12 302	189 979	7	
		2002.. 160 176	16 869	143 307	3 184	6 408	133 715	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

(Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A)

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
311	Food manufacturing—Con.								
3119	Other food manufacturing—Con.								
31193	Flavoring syrup and concentrate manufacturing	2005.. 73 697	16 597	57 100	2 303	3 892	50 904	3	
		2004.. 62 080	18 267	43 813	2 130	2 538	39 145	4	
		2003.. 39 563	2 697	36 865	642	6 211	30 012	17	
		2002.. 70 420	10 778	59 642	2 124	7 044	50 474	X	
311930	Flavoring syrup and concentrate manufacturing	2005.. 73 697	16 597	57 100	2 303	3 892	50 904	3	
		2004.. 62 080	18 267	43 813	2 130	2 538	39 145	4	
		2003.. 39 563	2 697	36 865	642	6 211	30 012	17	
		2002.. 70 420	10 778	59 642	2 124	7 044	50 474	X	
31194	Seasoning and dressing manufacturing	2005.. 262 177	40 803	221 374	4 844	11 756	204 775	3	
		2004.. 259 649	46 000	213 649	7 660	14 793	191 196	3	
		2003.. 256 635	40 245	216 389	3 999	20 000	192 391	6	
		2002.. 302 075	67 312	234 763	8 738	19 044	206 981	X	
31194M	Seasoning and dressing manufacturing	2005.. 262 177	40 803	221 374	4 844	11 756	204 775	3	
		2004.. 259 649	46 000	213 649	7 660	14 793	191 196	3	
		2003.. 256 635	40 245	216 389	3 999	20 000	192 391	6	
		2002.. 302 075	67 312	234 763	8 738	19 044	206 981	X	
31199	All other food manufacturing	2005.. 774 091	163 367	610 723	26 847	34 118	549 759	2	
		2004.. 531 872	87 879	443 993	17 901	30 239	395 853	3	
		2003.. 345 496	42 464	303 032	19 917	26 897	256 217	4	
		2002.. 407 337	59 359	347 978	17 318	24 567	306 093	X	
31199M	All other food manufacturing	2005.. 774 091	163 367	610 723	26 847	34 118	549 759	2	
		2004.. 531 872	87 879	443 993	17 901	30 239	395 853	3	
		2003.. 345 496	42 464	303 032	19 917	26 897	256 217	4	
		2002.. 407 337	59 359	347 978	17 318	24 567	306 093	X	
312	Beverage and tobacco product manufacturing	2005.. 3 342 850	576 522	2 766 329	101 755	116 648	2 547 926	2	
		2004.. 2 764 548	443 354	2 321 193	95 737	98 331	2 127 125	2	
		2003.. 2 665 716	431 812	2 233 904	79 370	127 891	2 026 643	3	
		2002.. 3 362 820	628 406	2 734 414	105 514	123 763	2 505 137	X	
3121	Beverage manufacturing	2005.. 2 992 443	539 808	2 452 636	100 274	105 245	2 247 117	2	
		2004.. 2 416 890	402 436	2 014 453	94 543	90 981	1 828 929	2	
		2003.. 2 371 226	399 580	1 971 646	78 868	118 410	1 774 368	3	
		2002.. 3 076 751	593 129	2 483 622	104 106	111 328	2 268 188	X	
31211	Soft drink and ice manufacturing	2005.. 1 460 617	222 759	1 237 858	84 167	39 727	1 113 964	3	
		2004.. 1 171 712	179 101	992 611	80 973	34 256	877 382	2	
		2003.. 1 076 394	132 112	944 282	69 938	26 603	847 741	5	
		2002.. 1 319 274	186 161	1 133 113	75 932	44 375	1 012 806	X	
31211M	Soft drink and ice manufacturing	2005.. 1 460 617	222 759	1 237 858	84 167	39 727	1 113 964	3	
		2004.. 1 171 712	179 101	992 611	80 973	34 256	877 382	2	
		2003.. 1 076 394	132 112	944 282	69 938	26 603	847 741	5	
		2002.. 1 319 274	186 161	1 133 113	75 932	44 375	1 012 806	X	
31212	Breweries	2005.. 1 016 170	221 391	794 780	4 859	46 977	742 943	2	
		2004.. 814 034	D	D	5 101	36 831	D	1	
		2003.. 827 556	128 918	698 638	2 778	72 381	623 479	4	
		2002.. 1 148 082	279 339	868 743	16 552	43 864	808 327	X	
312120	Breweries	2005.. 1 016 170	221 391	794 780	4 859	46 977	742 943	2	
		2004.. 814 034	D	D	5 101	36 831	D	1	
		2003.. 827 556	128 918	698 638	2 778	72 381	623 479	4	
		2002.. 1 148 082	279 339	868 743	16 552	43 864	808 327	X	
31213	Wineries	2005.. 372 186	59 049	313 137	6 305	12 977	293 854	10	
		2004.. 334 543	83 687	250 857	6 228	16 531	228 098	9	
		2003.. 394 706	122 188	272 518	5 615	18 138	248 765	10	
		2002.. 502 742	103 745	398 997	9 990	18 771	370 236	X	
312130	Wineries	2005.. 372 186	59 049	313 137	6 305	12 977	293 854	10	
		2004.. 334 543	83 687	250 857	6 228	16 531	228 098	9	
		2003.. 394 706	122 188	272 518	5 615	18 138	248 765	10	
		2002.. 502 742	103 745	398 997	9 990	18 771	370 236	X	
31214	Distilleries	2005.. 143 470	36 609	106 862	4 942	5 563	96 356	2	
		2004.. 96 600	D	D	2 241	3 364	D	4	
		2003.. 72 570	16 363	56 207	537	1 288	54 383	3	
		2002.. 106 653	23 884	82 769	1 632	4 318	76 819	X	
312140	Distilleries	2005.. 143 470	36 609	106 862	4 942	5 563	96 356	2	
		2004.. 96 600	D	D	2 241	3 364	D	4	
		2003.. 72 570	16 363	56 207	537	1 288	54 383	3	
		2002.. 106 653	23 884	82 769	1 632	4 318	76 819	X	
3122	Tobacco manufacturing	2005.. 350 407	36 714	313 693	1 481	11 403	300 809	1	
		2004.. 347 658	40 918	306 740	1 194	7 350	298 196	1	
		2003.. 294 490	32 232	262 259	502	9 481	252 276	3	
		2002.. 286 069	35 277	250 792	1 408	12 435	236 949	X	
31221	Tobacco stemming and redrying	2005.. 9 443	1 120	8 323	572	1 101	6 650	1	
		2004.. 12 665	736	11 929	196	402	11 331	1	
		2003.. 24 576	5 740	18 836	220	601	18 015	1	
		2002.. 9 266	1 704	7 562	216	932	6 414	X	
312210	Tobacco stemming and redrying	2005.. 9 443	1 120	8 323	572	1 101	6 650	1	
		2004.. 12 665	736	11 929	196	402	11 331	1	
		2003.. 24 576	5 740	18 836	220	601	18 015	1	
		2002.. 9 266	1 704	7 562	216	932	6 414	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
312	Beverage and tobacco product manufacturing—Con.								
3122	Tobacco manufacturing—Con.								
31222	Tobacco product manufacturing	2005.. 340 964	35 594	305 370	909	10 302	294 159	1	
		2004.. 334 993	40 182	294 811	998	6 948	286 865	1	
		2003.. 269 914	26 492	243 423	282	8 880	234 261	3	
		2002.. 276 803	33 573	243 230	1 192	11 503	230 535	X	
31222M	Tobacco product manufacturing	2005.. 340 964	35 594	305 370	909	10 302	294 159	1	
		2004.. 334 993	40 182	294 811	998	6 948	286 865	1	
		2003.. 269 914	26 492	243 423	282	8 880	234 261	3	
		2002.. 276 803	33 573	243 230	1 192	11 503	230 535	X	
313	Textile mills	2005.. 852 806	68 807	783 999	10 945	49 074	723 981	4	
		2004.. 888 405	105 080	783 325	9 613	46 068	727 644	3	
		2003.. 1 007 575	82 632	924 943	21 566	51 598	851 778	3	
		2002.. 1 412 219	173 361	1 238 858	17 693	92 154	1 129 011	X	
3131	Fiber, yarn, and thread mills	2005.. 199 271	9 553	189 718	2 301	5 370	182 048	15	
		2004.. 204 346	20 604	183 742	1 055	2 908	179 779	13	
		2003.. 212 267	15 184	197 083	2 241	7 499	187 343	8	
		2002.. 286 618	41 514	245 104	2 558	32 565	209 981	X	
31311	Fiber, yarn, and thread mills	2005.. 199 271	9 553	189 718	2 301	5 370	182 048	15	
		2004.. 204 346	20 604	183 742	1 055	2 908	179 779	13	
		2003.. 212 267	15 184	197 083	2 241	7 499	187 343	8	
		2002.. 286 618	41 514	245 104	2 558	32 565	209 981	X	
31311M	Fiber, yarn, and thread mills	2005.. 199 271	9 553	189 718	2 301	5 370	182 048	15	
		2004.. 204 346	20 604	183 742	1 055	2 908	179 779	13	
		2003.. 212 267	15 184	197 083	2 241	7 499	187 343	8	
		2002.. 286 618	41 514	245 104	2 558	32 565	209 981	X	
3132	Fabric mills	2005.. 481 481	43 943	437 539	5 817	32 768	398 954	1	
		2004.. 512 887	64 139	448 748	6 480	30 856	411 412	1	
		2003.. 577 256	51 901	525 356	7 843	34 502	483 010	3	
		2002.. 893 931	93 116	800 815	10 290	49 365	741 160	X	
31321	Broadwoven fabric mills	2005.. 141 525	11 457	130 068	1 827	7 376	120 865	4	
		2004.. 234 767	25 792	208 975	3 810	10 879	194 285	2	
		2003.. 189 371	9 261	180 110	3 216	11 454	165 440	5	
		2002.. 327 510	36 954	290 556	3 730	12 893	273 933	X	
313210	Broadwoven fabric mills	2005.. 141 525	11 457	130 068	1 827	7 376	120 865	4	
		2004.. 234 767	25 792	208 975	3 810	10 879	194 285	2	
		2003.. 189 371	9 261	180 110	3 216	11 454	165 440	5	
		2002.. 327 510	36 954	290 556	3 730	12 893	273 933	X	
31322	Narrow fabric mills and schiffli machine embroidery	2005.. 24 917	3 161	21 756	371	1 806	19 580	9	
		2004.. 28 369	3 917	24 453	539	1 556	22 358	8	
		2003.. 36 126	5 416	30 709	398	2 700	27 611	8	
		2002.. 42 214	4 458	37 756	1 034	3 006	33 716	X	
31322M	Narrow fabric mills and schiffli machine embroidery	2005.. 24 917	3 161	21 756	371	1 806	19 580	9	
		2004.. 28 369	3 917	24 453	539	1 556	22 358	8	
		2003.. 36 126	5 416	30 709	398	2 700	27 611	8	
		2002.. 42 214	4 458	37 756	1 034	3 006	33 716	X	
31323	Nonwoven fabric mills	2005.. 237 438	26 107	211 331	1 686	17 656	191 990	1	
		2004.. 202 235	30 750	171 484	896	14 084	156 504	1	
		2003.. 263 654	33 767	229 886	3 014	13 045	213 828	6	
		2002.. 423 001	45 943	377 058	1 816	23 257	351 985	X	
313230	Nonwoven fabric mills	2005.. 237 438	26 107	211 331	1 686	17 656	191 990	1	
		2004.. 202 235	30 750	171 484	896	14 084	156 504	1	
		2003.. 263 654	33 767	229 886	3 014	13 045	213 828	6	
		2002.. 423 001	45 943	377 058	1 816	23 257	351 985	X	
31324	Knit fabric mills	2005.. 77 601	3 218	74 383	1 934	5 930	66 520	3	
		2004.. 47 517	3 680	43 837	1 235	4 337	38 265	5	
		2003.. 88 106	3 456	84 649	1 216	7 303	76 131	9	
		2002.. 101 206	5 761	95 445	3 710	10 209	81 526	X	
31324M	Knit fabric mills	2005.. 77 601	3 218	74 383	1 934	5 930	66 520	3	
		2004.. 47 517	3 680	43 837	1 235	4 337	38 265	5	
		2003.. 88 106	3 456	84 649	1 216	7 303	76 131	9	
		2002.. 101 206	5 761	95 445	3 710	10 209	81 526	X	
3133	Textile and fabric finishing and fabric coating mills	2005.. 172 054	15 311	156 742	2 827	10 936	142 979	6	
		2004.. 171 172	20 337	150 835	2 078	12 304	136 452	5	
		2003.. 218 051	15 548	202 504	11 482	9 597	181 424	9	
		2002.. 231 670	38 731	192 939	4 845	10 224	177 870	X	
31331	Textile and fabric finishing mills	2005.. 116 830	9 342	107 489	2 285	5 972	99 232	5	
		2004.. 116 845	17 712	99 133	1 525	8 739	88 869	6	
		2003.. 181 181	10 286	170 896	11 121	6 867	152 907	11	
		2002.. 187 610	28 819	158 791	3 907	6 871	148 013	X	
31331M	Textile and fabric finishing mills	2005.. 116 830	9 342	107 489	2 285	5 972	99 232	5	
		2004.. 116 845	17 712	99 133	1 525	8 739	88 869	6	
		2003.. 181 181	10 286	170 896	11 121	6 867	152 907	11	
		2002.. 187 610	28 819	158 791	3 907	6 871	148 013	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
313	Textile mills—Con.								
3133	Textile and fabric finishing and fabric coating mills—Con.								
31332	Fabric coating mills	2005.. 55 224	5 970	49 254	541	4 965	43 748	13	
		2004.. 54 327	2 625	51 702	553	3 565	47 584	8	
		2003.. 36 870	5 262	31 608	361	2 730	28 517	12	
		2002.. 44 060	9 912	34 148	938	3 353	29 857	X	
313320	Fabric coating mills	2005.. 55 224	5 970	49 254	541	4 965	43 748	13	
		2004.. 54 327	2 625	51 702	553	3 565	47 584	8	
		2003.. 36 870	5 262	31 608	361	2 730	28 517	12	
		2002.. 44 060	9 912	34 148	938	3 353	29 857	X	
314	Textile product mills	2005.. 469 809	44 826	424 984	10 659	30 411	383 914	3	
		2004.. 445 603	52 053	393 550	9 114	26 980	357 456	4	
		2003.. 376 031	27 454	348 578	14 461	25 854	308 264	5	
		2002.. 485 603	62 165	423 438	16 038	45 288	362 112	X	
3141	Textile furnishings mills	2005.. 274 901	15 034	259 867	5 554	16 324	237 990	2	
		2004.. 234 685	17 889	216 796	3 574	14 642	198 580	3	
		2003.. 190 204	9 314	180 890	1 971	10 035	168 884	7	
		2002.. 226 500	29 106	197 394	7 174	23 751	166 469	X	
31411	Carpet and rug mills	2005.. 190 641	6 319	184 322	2 501	7 887	173 935	3	
		2004.. 171 531	10 908	160 622	1 392	6 940	152 290	3	
		2003.. 137 538	5 633	131 906	646	3 369	127 891	10	
		2002.. 114 663	9 287	105 376	2 684	8 030	94 662	X	
314110	Carpet and rug mills	2005.. 190 641	6 319	184 322	2 501	7 887	173 935	3	
		2004.. 171 531	10 908	160 622	1 392	6 940	152 290	3	
		2003.. 137 538	5 633	131 906	646	3 369	127 891	10	
		2002.. 114 663	9 287	105 376	2 684	8 030	94 662	X	
31412	Curtain and linen mills	2005.. 84 260	8 715	75 545	3 053	8 437	64 055	5	
		2004.. 63 154	6 980	56 174	2 182	7 703	46 290	5	
		2003.. 52 666	3 681	48 985	1 325	6 666	40 993	6	
		2002.. 111 837	19 819	92 018	4 490	15 721	71 807	X	
31412M	Curtain and linen mills	2005.. 84 260	8 715	75 545	3 053	8 437	64 055	5	
		2004.. 63 154	6 980	56 174	2 182	7 703	46 290	5	
		2003.. 52 666	3 681	48 985	1 325	6 666	40 993	6	
		2002.. 111 837	19 819	92 018	4 490	15 721	71 807	X	
3149	Other textile product mills	2005.. 194 908	29 792	165 116	5 105	14 087	145 924	7	
		2004.. 210 918	34 164	176 754	5 540	12 338	158 876	8	
		2003.. 185 827	18 139	167 688	12 490	15 818	139 380	6	
		2002.. 259 103	33 059	226 044	8 864	21 537	195 643	X	
31491	Textile bag and canvas mills	2005.. 44 790	6 379	38 410	2 254	4 591	31 565	5	
		2004.. 38 137	4 875	33 262	2 267	3 598	27 397	7	
		2003.. 52 467	5 868	46 599	3 775	6 953	35 871	13	
		2002.. 50 482	6 539	43 943	4 286	6 456	33 201	X	
31491M	Textile bag and canvas mills	2005.. 44 790	6 379	38 410	2 254	4 591	31 565	5	
		2004.. 38 137	4 875	33 262	2 267	3 598	27 397	7	
		2003.. 52 467	5 868	46 599	3 775	6 953	35 871	13	
		2002.. 50 482	6 539	43 943	4 286	6 456	33 201	X	
31499	All other textile product mills	2005.. 150 118	23 412	126 706	2 851	9 496	114 359	8	
		2004.. 172 781	29 289	143 492	3 273	8 740	131 479	10	
		2003.. 133 360	12 271	121 089	8 715	8 865	103 508	6	
		2002.. 208 621	26 520	182 101	4 578	15 081	162 442	X	
314991	Rope, cordage, and twine mills	2005.. 29 998	8 547	21 451	707	1 515	19 229	21	
		2004.. 27 128	5 295	21 834	498	1 080	20 256	24	
		2003.. 12 846	1 628	11 219	195	1 203	9 821	5	
		2002.. 22 393	2 769	19 624	324	2 883	16 417	X	
314992	Tire cord and tire fabric mills	2005.. 24 017	4 285	19 732	247	524	18 961	1	
		2004.. 21 079	1 501	19 577	17	756	18 804	1	
		2003.. 24 077	2 109	21 968	67	486	21 415	2	
		2002.. 26 879	6 760	20 119	189	964	18 966	X	
314999	All other miscellaneous textile product mills	2005.. 96 103	10 580	85 523	1 897	7 457	76 169	11	
		2004.. 124 574	22 493	102 081	2 757	6 904	92 419	13	
		2003.. 96 436	8 534	87 902	8 453	7 177	72 273	8	
		2002.. 159 349	16 991	142 358	4 065	11 234	127 059	X	
315	Apparel manufacturing	2005.. 493 459	177 698	315 761	13 597	46 542	255 622	4	
		2004.. 332 120	64 093	268 027	16 245	41 636	210 147	4	
		2003.. 404 336	79 366	324 970	18 936	76 558	229 476	5	
		2002.. 444 065	81 522	362 543	17 920	61 840	282 783	X	
3151	Apparel knitting mills	2005.. 74 549	8 063	66 486	1 459	8 798	56 229	10	
		2004.. 74 398	18 750	55 649	1 856	6 895	46 898	11	
		2003.. 122 146	26 962	95 184	3 909	13 674	77 601	13	
		2002.. 106 815	20 171	86 644	3 645	5 968	77 031	X	
31511	Hosiery and sock mills	2005.. 61 874	6 244	55 630	1 270	7 780	46 580	12	
		2004.. 51 344	10 212	41 132	1 614	4 732	34 786	15	
		2003.. 104 260	25 500	78 760	2 674	10 558	65 529	15	
		2002.. 67 108	8 228	58 880	1 311	3 709	53 860	X	
31511M	Hosiery and sock mills	2005.. 61 874	6 244	55 630	1 270	7 780	46 580	12	
		2004.. 51 344	10 212	41 132	1 614	4 732	34 786	15	
		2003.. 104 260	25 500	78 760	2 674	10 558	65 529	15	
		2002.. 67 108	8 228	58 880	1 311	3 709	53 860	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
315	Apparel manufacturing—Con.								
3151	Apparel knitting mills—Con.								
31519	Other apparel knitting mills	2005.. 12 674	1 819	10 855	189	1 018	9 648	7	
		2004.. 23 055	8 538	14 517	242	2 163	12 112	4	
		2003.. 17 886	1 462	16 423	1 235	3 117	12 072	9	
		2002.. 39 707	11 943	27 764	2 334	2 259	23 171	X	
31519M	Other apparel knitting mills	2005.. 12 674	1 819	10 855	189	1 018	9 648	7	
		2004.. 23 055	8 538	14 517	242	2 163	12 112	4	
		2003.. 17 886	1 462	16 423	1 235	3 117	12 072	9	
		2002.. 39 707	11 943	27 764	2 334	2 259	23 171	X	
3152	Cut and sew apparel manufacturing	2005.. 380 070	147 506	232 564	11 920	32 586	188 057	5	
		2004.. 243 813	43 208	200 605	13 820	32 216	154 569	4	
		2003.. 260 046	50 195	209 851	14 342	58 015	137 494	6	
		2002.. 301 861	49 188	252 673	11 923	52 392	188 358	X	
31521	Cut and sew apparel contractors	2005.. 106 684	52 330	54 354	7 173	3 165	44 016	12	
		2004.. 106 429	10 806	95 623	7 901	9 296	78 425	8	
		2003.. 34 009	2 026	31 983	4 363	2 166	25 454	19	
		2002.. 45 573	6 020	39 553	3 784	3 945	31 824	X	
31521M	Cut and sew apparel contractors	2005.. 106 684	52 330	54 354	7 173	3 165	44 016	12	
		2004.. 106 429	10 806	95 623	7 901	9 296	78 425	8	
		2003.. 34 009	2 026	31 983	4 363	2 166	25 454	19	
		2002.. 45 573	6 020	39 553	3 784	3 945	31 824	X	
31522	Men's and boys' cut and sew apparel manufacturing	2005.. 109 135	41 823	67 312	1 790	5 254	60 268	4	
		2004.. 43 076	11 050	32 026	925	4 849	26 251	4	
		2003.. 72 264	32 595	39 668	1 578	9 399	28 691	9	
		2002.. 89 010	19 042	69 968	2 414	9 531	58 023	X	
31522M	Men's and boys' cut and sew apparel manufacturing	2005.. 109 135	41 823	67 312	1 790	5 254	60 268	4	
		2004.. 43 076	11 050	32 026	925	4 849	26 251	4	
		2003.. 72 264	32 595	39 668	1 578	9 399	28 691	9	
		2002.. 89 010	19 042	69 968	2 414	9 531	58 023	X	
31523	Women's and girls' cut and sew apparel manufacturing	2005.. 135 826	51 557	84 270	2 365	21 683	60 222	4	
		2004.. 79 320	20 019	59 300	3 380	15 850	40 070	3	
		2003.. 130 839	11 227	119 613	7 295	44 611	67 707	7	
		2002.. 148 239	22 194	126 045	5 009	36 139	84 897	X	
31523M	Women's and girls' cut and sew apparel manufacturing	2005.. 135 826	51 557	84 270	2 365	21 683	60 222	4	
		2004.. 79 320	20 019	59 300	3 380	15 850	40 070	3	
		2003.. 130 839	11 227	119 613	7 295	44 611	67 707	7	
		2002.. 148 239	22 194	126 045	5 009	36 139	84 897	X	
31529	Other cut and sew apparel manufacturing	2005.. 28 424	1 796	26 628	593	2 485	23 551	35	
		2004.. 14 988	1 332	13 657	1 613	2 221	9 822	14	
		2003.. 22 934	4 347	18 587	1 107	1 838	15 642	27	
		2002.. 19 039	1 932	17 107	716	2 777	13 614	X	
31529M	Other cut and sew apparel manufacturing	2005.. 28 424	1 796	26 628	593	2 485	23 551	35	
		2004.. 14 988	1 332	13 657	1 613	2 221	9 822	14	
		2003.. 22 934	4 347	18 587	1 107	1 838	15 642	27	
		2002.. 19 039	1 932	17 107	716	2 777	13 614	X	
3159	Apparel accessories and other apparel manufacturing	2005.. 38 841	22 129	16 712	218	5 158	11 336	8	
		2004.. 13 909	2 136	11 773	569	2 525	8 680	7	
		2003.. 22 144	2 209	19 936	685	4 869	14 382	11	
		2002.. 35 389	12 163	23 226	2 352	3 480	17 394	X	
31599	Apparel accessories and other apparel manufacturing	2005.. 38 841	22 129	16 712	218	5 158	11 336	8	
		2004.. 13 909	2 136	11 773	569	2 525	8 680	7	
		2003.. 22 144	2 209	19 936	685	4 869	14 382	11	
		2002.. 35 389	12 163	23 226	2 352	3 480	17 394	X	
31599M	Apparel accessories and other apparel manufacturing	2005.. 38 841	22 129	16 712	218	5 158	11 336	8	
		2004.. 13 909	2 136	11 773	569	2 525	8 680	7	
		2003.. 22 144	2 209	19 936	685	4 869	14 382	11	
		2002.. 35 389	12 163	23 226	2 352	3 480	17 394	X	
316	Leather and allied product manufacturing	2005.. 102 132	19 394	82 738	3 521	7 979	71 238	4	
		2004.. 78 429	17 329	61 100	1 708	4 936	54 456	1	
		2003.. 79 440	8 947	70 494	1 785	7 547	61 161	7	
		2002.. 78 064	9 856	68 208	3 282	8 979	55 947	X	
3161	Leather and hide tanning and finishing	2005.. 22 982	2 511	20 471	237	518	19 716	2	
		2004.. 19 219	3 256	15 962	245	509	15 208	1	
		2003.. 25 019	2 570	22 449	90	462	21 898	6	
		2002.. 23 781	2 990	20 791	465	464	19 862	X	
31611	Leather and hide tanning and finishing	2005.. 22 982	2 511	20 471	237	518	19 716	2	
		2004.. 19 219	3 256	15 962	245	509	15 208	1	
		2003.. 25 019	2 570	22 449	90	462	21 898	6	
		2002.. 23 781	2 990	20 791	465	464	19 862	X	
316110	Leather and hide tanning and finishing	2005.. 22 982	2 511	20 471	237	518	19 716	2	
		2004.. 19 219	3 256	15 962	245	509	15 208	1	
		2003.. 25 019	2 570	22 449	90	462	21 898	6	
		2002.. 23 781	2 990	20 791	465	464	19 862	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—				
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures					
									A	B	C	D
316	Leather and allied product manufacturing—Con.											
3162	Footwear manufacturing	2005.. 27 377	2 628	24 748	761	1 622	22 365	3				
		2004.. 29 947	5 245	24 702	743	1 209	22 751	2				
		2003.. 31 353	3 996	27 357	1 386	3 839	22 132	10				
		2002.. 33 976	3 484	30 492	1 443	3 762	25 287	X				
31621	Footwear manufacturing	2005.. 27 377	2 628	24 748	761	1 622	22 365	3				
		2004.. 29 947	5 245	24 702	743	1 209	22 751	2				
		2003.. 31 353	3 996	27 357	1 386	3 839	22 132	10				
		2002.. 33 976	3 484	30 492	1 443	3 762	25 287	X				
31621M	Footwear manufacturing	2005.. 27 377	2 628	24 748	761	1 622	22 365	3				
		2004.. 29 947	5 245	24 702	743	1 209	22 751	2				
		2003.. 31 353	3 996	27 357	1 386	3 839	22 132	10				
		2002.. 33 976	3 484	30 492	1 443	3 762	25 287	X				
3169	Other leather and allied product manufacturing	2005.. 51 773	14 254	37 519	2 524	5 838	29 157	8				
		2004.. 29 263	8 828	20 435	720	3 218	16 496	3				
		2003.. 23 068	2 381	20 687	309	3 246	17 131	18				
		2002.. 20 307	3 382	16 925	1 374	4 753	10 798	X				
31699	Other leather and allied product manufacturing	2005.. 51 773	14 254	37 519	2 524	5 838	29 157	8				
		2004.. 29 263	8 828	20 435	720	3 218	16 496	3				
		2003.. 23 068	2 381	20 687	309	3 246	17 131	18				
		2002.. 20 307	3 382	16 925	1 374	4 753	10 798	X				
31699M	Other leather and allied product manufacturing	2005.. 51 773	14 254	37 519	2 524	5 838	29 157	8				
		2004.. 29 263	8 828	20 435	720	3 218	16 496	3				
		2003.. 23 068	2 381	20 687	309	3 246	17 131	18				
		2002.. 20 307	3 382	16 925	1 374	4 753	10 798	X				
321	Wood product manufacturing	2005.. 3 018 135	521 569	2 496 566	165 693	145 432	2 185 451	2				
		2004.. 2 704 345	461 108	2 243 236	139 645	125 835	1 977 756	3				
		2003.. 2 135 958	264 437	1 871 521	154 423	125 106	1 591 993	4				
		2002.. 2 413 666	383 803	2 029 863	150 719	131 580	1 747 564	X				
3211	Sawmills and wood preservation	2005.. 930 344	101 184	829 159	46 038	31 544	751 577	3				
		2004.. 892 669	94 722	797 947	48 204	28 620	721 123	4				
		2003.. 821 732	73 693	748 038	51 602	23 194	673 242	10				
		2002.. 812 997	96 665	716 332	40 948	30 597	644 787	X				
32111	Sawmills and wood preservation	2005.. 930 344	101 184	829 159	46 038	31 544	751 577	3				
		2004.. 892 669	94 722	797 947	48 204	28 620	721 123	4				
		2003.. 821 732	73 693	748 038	51 602	23 194	673 242	10				
		2002.. 812 997	96 665	716 332	40 948	30 597	644 787	X				
32111M	Sawmills and wood preservation	2005.. 930 344	101 184	829 159	46 038	31 544	751 577	3				
		2004.. 892 669	94 722	797 947	48 204	28 620	721 123	4				
		2003.. 821 732	73 693	748 038	51 602	23 194	673 242	10				
		2002.. 812 997	96 665	716 332	40 948	30 597	644 787	X				
3212	Veneer, plywood, and engineered wood product manufacturing	2005.. 895 306	154 267	741 039	36 800	29 522	674 718	2				
		2004.. 686 090	75 074	611 016	26 557	37 840	546 618	2				
		2003.. 489 067	61 268	427 799	33 495	16 936	377 369	4				
		2002.. 564 931	59 235	505 696	33 943	18 920	452 833	X				
32121	Veneer, plywood, and engineered wood product manufacturing	2005.. 895 306	154 267	741 039	36 800	29 522	674 718	2				
		2004.. 686 090	75 074	611 016	26 557	37 840	546 618	2				
		2003.. 489 067	61 268	427 799	33 495	16 936	377 369	4				
		2002.. 564 931	59 235	505 696	33 943	18 920	452 833	X				
321219	Reconstituted wood product manufacturing	2005.. 426 796	70 844	355 952	4 133	7 043	344 776	3				
		2004.. 296 941	26 417	270 524	1 972	4 780	263 772	3				
		2003.. 191 203	21 454	169 749	1 849	3 032	164 868	7				
		2002.. 257 669	26 247	231 422	2 208	4 318	224 896	X				
32121N	Veneer and plywood manufacturing	2005.. 200 015	41 568	158 447	4 951	12 902	140 594	6				
		2004.. 208 729	20 079	188 649	4 693	24 217	159 739	2				
		2003.. 139 176	15 944	123 233	4 118	3 841	115 273	5				
		2002.. 163 921	12 731	151 190	5 356	4 595	141 239	X				
32121P	Engineered wood product manufacturing	2005.. 268 495	41 854	226 641	27 716	9 577	189 348	4				
		2004.. 180 420	28 578	151 843	19 892	8 844	123 107	6				
		2003.. 158 688	23 871	134 817	27 527	10 062	97 228	8				
		2002.. 143 341	20 257	123 084	26 379	10 007	86 698	X				
3219	Other wood product manufacturing	2005.. 1 192 486	266 118	926 367	82 845	84 366	759 157	4				
		2004.. 1 125 586	291 312	834 274	64 884	59 375	710 015	6				
		2003.. 825 159	129 475	695 684	69 326	84 976	541 382	4				
		2002.. 1 035 738	227 903	807 835	75 828	82 063	649 944	X				
32191	Millwork	2005.. 640 803	121 209	519 594	31 709	51 249	436 635	7				
		2004.. 680 829	144 564	536 266	25 829	32 347	478 090	8				
		2003.. 477 949	55 940	422 008	21 827	53 011	347 170	5				
		2002.. 609 904	144 338	465 566	27 415	46 866	391 285	X				
32191M	Millwork	2005.. 640 803	121 209	519 594	31 709	51 249	436 635	7				
		2004.. 680 829	144 564	536 266	25 829	32 347	478 090	8				
		2003.. 477 949	55 940	422 008	21 827	53 011	347 170	5				
		2002.. 609 904	144 338	465 566	27 415	46 866	391 285	X				

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
321	Wood product manufacturing—Con.								
3219	Other wood product manufacturing—Con.								
32192	Wood container and pallet manufacturing	2005.. 191 548	55 687	135 861	22 002	6 461	107 398	14	
		2004.. 141 518	39 223	102 294	16 209	9 718	76 367	17	
		2003.. 105 487	19 513	85 974	13 181	5 759	67 034	13	
		2002.. 120 310	14 281	106 029	14 233	10 072	81 724	X	
321920	Wood container and pallet manufacturing	2005.. 191 548	55 687	135 861	22 002	6 461	107 398	14	
		2004.. 141 518	39 223	102 294	16 209	9 718	76 367	17	
		2003.. 105 487	19 513	85 974	13 181	5 759	67 034	13	
		2002.. 120 310	14 281	106 029	14 233	10 072	81 724	X	
32199	All other wood product manufacturing	2005.. 360 135	89 223	270 913	29 133	26 656	215 124	3	
		2004.. 303 239	107 525	195 714	22 846	17 310	155 558	8	
		2003.. 241 723	54 022	187 701	34 317	26 206	127 178	5	
		2002.. 305 524	69 284	236 240	34 180	25 125	176 935	X	
321991	Manufactured home (mobile home) manufacturing	2005.. 142 603	56 029	86 574	11 455	10 187	64 932	5	
		2004.. 62 310	25 415	36 895	5 503	3 854	27 538	2	
		2003.. 58 556	26 365	32 191	5 240	4 036	22 915	8	
		2002.. 71 886	24 459	47 427	7 204	5 403	34 820	X	
321992	Prefabricated wood building manufacturing	2005.. 68 026	19 038	48 988	7 778	5 520	35 690	6	
		2004.. 88 114	34 273	53 841	9 493	8 794	35 554	8	
		2003.. 64 213	13 771	50 442	21 213	5 143	24 085	8	
		2002.. 81 662	26 323	55 339	16 524	5 317	33 498	X	
321999	All other miscellaneous wood product manufacturing	2005.. 149 507	14 156	135 351	9 901	10 949	114 501	6	
		2004.. 152 815	47 837	104 978	7 850	4 662	92 466	16	
		2003.. 118 955	13 886	105 069	7 864	17 027	80 178	9	
		2002.. 151 976	18 502	133 474	10 452	14 405	108 617	X	
322	Paper manufacturing	2005.. 5 597 885	448 941	5 148 943	314 432	165 971	4 668 540	2	
		2004.. 5 139 985	385 153	4 754 831	43 880	150 505	4 560 447	1	
		2003.. 5 999 015	622 355	5 376 660	70 476	206 719	5 099 465	1	
		2002.. 6 255 192	800 164	5 455 028	72 852	233 451	5 148 725	X	
3221	Pulp, paper, and paperboard mills	2005.. 3 397 330	185 279	3 212 051	260 250	74 926	2 876 875	2	
		2004.. 3 146 826	175 524	2 971 302	8 658	80 717	2 881 927	1	
		2003.. 3 689 920	313 823	3 376 097	25 050	105 853	3 245 195	1	
		2002.. 3 766 184	455 097	3 311 087	19 975	122 090	3 169 022	X	
32211	Pulp mills	2005.. 120 145	5 859	114 286	580	5 544	108 162	1	
		2004.. 187 554	13 751	173 803	574	4 471	168 758	1	
		2003.. 182 069	10 890	171 179	217	4 452	166 510	3	
		2002.. 188 847	5 318	183 529	2 355	5 704	175 470	X	
322110	Pulp mills	2005.. 120 145	5 859	114 286	580	5 544	108 162	1	
		2004.. 187 554	13 751	173 803	574	4 471	168 758	1	
		2003.. 182 069	10 890	171 179	217	4 452	166 510	3	
		2002.. 188 847	5 318	183 529	2 355	5 704	175 470	X	
32212	Paper mills	2005.. 2 269 239	136 530	2 132 709	D	D	1 816 722	1	
		2004.. 2 032 135	124 849	1 907 286	5 642	54 158	1 847 485	1	
		2003.. 2 742 997	244 398	2 498 600	13 239	88 493	2 396 867	1	
		2002.. 2 761 507	384 457	2 377 050	8 405	80 903	2 287 742	X	
32212M	Paper and newsprint mills	2005.. 2 269 239	136 530	2 132 709	D	D	1 816 722	1	
		2004.. 2 032 135	124 849	1 907 286	5 642	54 158	1 847 485	1	
		2003.. 2 742 997	244 398	2 498 600	13 239	88 493	2 396 867	1	
		2002.. 2 761 507	384 457	2 377 050	8 405	80 903	2 287 742	X	
32213	Paperboard mills	2005.. 1 007 946	42 890	965 056	D	D	951 991	8	
		2004.. 927 137	36 924	890 213	2 441	22 088	865 684	3	
		2003.. 764 855	58 536	706 319	11 594	12 907	681 818	3	
		2002.. 815 830	65 322	750 508	9 215	35 483	705 810	X	
322130	Paperboard mills	2005.. 1 007 946	42 890	965 056	D	D	951 991	8	
		2004.. 927 137	36 924	890 213	2 441	22 088	865 684	3	
		2003.. 764 855	58 536	706 319	11 594	12 907	681 818	3	
		2002.. 815 830	65 322	750 508	9 215	35 483	705 810	X	
3222	Converted paper product manufacturing	2005.. 2 200 555	263 662	1 936 892	54 182	91 045	1 791 665	3	
		2004.. 1 993 158	209 629	1 783 529	35 222	69 788	1 678 519	2	
		2003.. 2 309 094	308 532	2 000 562	45 426	100 866	1 854 270	4	
		2002.. 2 489 008	345 067	2 143 941	52 877	111 361	1 979 703	X	
32221	Paperboard container manufacturing	2005.. 1 040 341	128 439	911 902	32 482	45 141	834 279	3	
		2004.. 1 176 345	131 894	1 044 451	21 593	36 253	986 605	4	
		2003.. 1 209 824	151 188	1 058 636	34 180	40 904	983 552	6	
		2002.. 1 295 923	158 199	1 137 724	32 507	57 065	1 048 152	X	
32221M	Paperboard container manufacturing	2005.. 1 040 341	128 439	911 902	32 482	45 141	834 279	3	
		2004.. 1 176 345	131 894	1 044 451	21 593	36 253	986 605	4	
		2003.. 1 209 824	151 188	1 058 636	34 180	40 904	983 552	6	
		2002.. 1 295 923	158 199	1 137 724	32 507	57 065	1 048 152	X	
32222	Paper bag and coated and treated paper manufacturing ...	2005.. 564 975	99 242	465 733	11 867	22 632	431 234	4	
		2004.. 330 613	34 178	296 435	5 802	15 466	275 167	3	
		2003.. 410 471	81 397	329 074	4 307	19 759	305 008	8	
		2002.. 530 581	98 213	432 368	8 098	19 886	404 384	X	
32222N	Coated and laminated paper and packaging manufacturing	2005.. 426 055	87 010	339 045	10 247	16 897	311 901	6	
		2004.. 224 650	27 566	197 084	3 734	9 832	183 518	4	
		2003.. 287 385	67 598	219 787	3 645	14 284	201 858	12	
		2002.. 406 279	89 130	317 149	6 274	16 095	294 780	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
322	Paper manufacturing—Con.								
3222	Converted paper product manufacturing—Con.								
32222	Paper bag and coated and treated paper manufacturing—Con.								
32222P	Coated, uncoated, and multiwall bag and packaging manufacturing	2005.. 138 920	12 232	126 688	1 620	5 735	119 333	3	
		2004.. 105 963	6 612	99 351	2 068	5 633	91 649	5	
		2003.. 123 086	13 800	109 287	662	5 475	103 150	6	
		2002.. 124 302	9 083	115 219	1 824	3 791	109 604	X	
32223	Stationery product manufacturing	2005.. 116 471	4 929	111 542	2 772	11 151	97 619	7	
		2004.. 92 368	12 359	80 010	2 350	7 289	70 370	4	
		2003.. 93 808	6 302	87 507	1 505	11 978	74 024	7	
		2002.. 143 468	20 617	122 851	5 032	11 876	105 943	X	
32223M	Stationery product manufacturing	2005.. 116 471	4 929	111 542	2 772	11 151	97 619	7	
		2004.. 92 368	12 359	80 010	2 350	7 289	70 370	4	
		2003.. 93 808	6 302	87 507	1 505	11 978	74 024	7	
		2002.. 143 468	20 617	122 851	5 032	11 876	105 943	X	
32229	Other converted paper product manufacturing	2005.. 478 767	31 052	447 715	7 061	12 121	428 532	12	
		2004.. 393 831	31 198	362 633	5 476	10 780	346 377	2	
		2003.. 594 991	69 645	525 346	5 434	28 226	491 686	7	
		2002.. 519 036	68 038	450 998	7 240	22 534	421 224	X	
322291	Sanitary paper product manufacturing	2005.. 301 607	20 460	281 147	2 036	4 142	274 969	1	
		2004.. 279 060	19 828	259 232	4 777	4 730	254 025	1	
		2003.. 457 768	35 066	422 702	1 281	15 926	405 495	4	
		2002.. 414 819	55 461	359 358	2 212	15 254	341 892	X	
322299	All other converted paper product manufacturing	2005.. 177 161	10 592	166 568	5 025	7 980	153 564	32	
		2004.. 114 772	11 370	103 401	4 999	6 050	92 353	6	
		2003.. 137 223	34 579	102 644	4 153	12 300	86 191	25	
		2002.. 104 217	12 577	91 640	5 028	7 280	79 332	X	
323	Printing and related support activities	2005.. 4 343 262	391 201	3 952 061	72 222	360 564	3 519 275	3	
		2004.. 4 030 614	367 854	3 662 760	96 682	384 922	3 181 155	3	
		2003.. 3 472 222	305 583	3 166 639	100 176	348 841	2 717 622	5	
		2002.. 3 870 681	431 019	3 439 662	125 160	417 573	2 896 929	X	
3231	Printing and related support activities	2005.. 4 343 262	391 201	3 952 061	72 222	360 564	3 519 275	3	
		2004.. 4 030 614	367 854	3 662 760	96 682	384 922	3 181 155	3	
		2003.. 3 472 222	305 583	3 166 639	100 176	348 841	2 717 622	5	
		2002.. 3 870 681	431 019	3 439 662	125 160	417 573	2 896 929	X	
32311	Printing	2005.. 4 177 708	375 915	3 801 792	69 239	330 857	3 401 696	3	
		2004.. 3 884 431	356 371	3 528 060	91 720	358 818	3 077 522	3	
		2003.. 3 259 012	273 195	2 985 817	88 741	316 527	2 580 549	5	
		2002.. 3 671 422	410 049	3 261 373	115 760	382 440	2 763 173	X	
32311M	Printing	2005.. 4 177 708	375 915	3 801 792	69 239	330 857	3 401 696	3	
		2004.. 3 884 431	356 371	3 528 060	91 720	358 818	3 077 522	3	
		2003.. 3 259 012	273 195	2 985 817	88 741	316 527	2 580 549	5	
		2002.. 3 671 422	410 049	3 261 373	115 760	382 440	2 763 173	X	
32312	Support activities for printing	2005.. 165 554	15 285	150 269	2 983	29 706	117 579	6	
		2004.. 146 183	11 484	134 699	4 962	26 104	103 633	6	
		2003.. 213 210	32 388	180 822	11 435	32 314	137 073	13	
		2002.. 199 259	20 970	178 289	9 400	35 133	133 756	X	
32312M	Support activities for printing	2005.. 165 554	15 285	150 269	2 983	29 706	117 579	6	
		2004.. 146 183	11 484	134 699	4 962	26 104	103 633	6	
		2003.. 213 210	32 388	180 822	11 435	32 314	137 073	13	
		2002.. 199 259	20 970	178 289	9 400	35 133	133 756	X	
324	Petroleum and coal products manufacturing	2005.. 11 046 731	1 322 161	9 724 570	58 879	145 966	9 519 724	1	
		2004.. 7 228 806	1 078 107	6 150 700	51 773	128 157	5 970 770	1	
		2003.. 7 390 986	1 033 580	6 357 406	81 000	185 000	6 091 406	2	
		2002.. 5 931 766	1 157 846	4 773 920	46 121	204 431	4 523 368	X	
3241	Petroleum and coal products manufacturing	2005.. 11 046 731	1 322 161	9 724 570	58 879	145 966	9 519 724	1	
		2004.. 7 228 806	1 078 107	6 150 700	51 773	128 157	5 970 770	1	
		2003.. 7 390 986	1 033 580	6 357 406	81 000	185 000	6 091 406	2	
		2002.. 5 931 766	1 157 846	4 773 920	46 121	204 431	4 523 368	X	
32411	Petroleum refineries	2005.. 10 523 615	1 265 100	9 258 516	42 316	131 948	9 084 252	1	
		2004.. 6 600 829	952 052	5 648 776	36 954	113 579	5 498 244	1	
		2003.. 6 828 082	862 083	5 965 999	61 865	171 627	5 732 508	2	
		2002.. 5 151 988	991 591	4 160 397	17 154	179 977	3 963 266	X	
324110	Petroleum refineries	2005.. 10 523 615	1 265 100	9 258 516	42 316	131 948	9 084 252	1	
		2004.. 6 600 829	952 052	5 648 776	36 954	113 579	5 498 244	1	
		2003.. 6 828 082	862 083	5 965 999	61 865	171 627	5 732 508	2	
		2002.. 5 151 988	991 591	4 160 397	17 154	179 977	3 963 266	X	
32412	Asphalt paving, roofing, and saturated materials manufacturing	2005.. 373 617	31 104	342 513	12 871	7 398	322 243	3	
		2004.. 494 636	94 705	399 931	11 886	8 965	379 079	5	
		2003.. 367 851	58 407	309 444	16 016	7 184	286 244	3	
		2002.. 515 482	50 689	464 793	22 587	14 426	427 780	X	
324121	Asphalt paving mixture and block manufacturing	2005.. 239 123	19 261	219 862	11 619	4 331	203 912	5	
		2004.. 216 164	51 889	164 275	10 064	4 567	149 644	4	
		2003.. 204 331	45 280	159 051	14 558	3 838	140 655	5	
		2002.. 303 963	34 780	269 183	20 161	10 408	238 614	X	
324122	Asphalt shingle and coating materials manufacturing	2005.. 134 494	11 843	122 651	1 253	3 067	118 331	2	
		2004.. 278 472	42 816	235 655	1 823	4 398	229 435	8	
		2003.. 163 519	13 126	150 393	1 458	3 346	145 589	3	
		2002.. 211 519	15 909	195 610	2 426	4 018	189 166	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
324	Petroleum and coal products manufacturing—Con.								
3241	Petroleum and coal products manufacturing—Con.								
32419	Other petroleum and coal products manufacturing	2005.. 149 499	25 957	123 542	3 692	6 620	113 229	4	
		2004.. 133 342	31 349	101 993	2 933	5 613	93 447	6	
		2003.. 195 053	113 091	81 963	3 119	6 190	72 654	3	
		2002.. 264 296	115 566	148 730	6 380	10 028	132 322	X	
324191	Petroleum lubricating oil and grease manufacturing	2005.. 107 976	13 223	94 753	3 278	6 142	85 333	2	
		2004.. 96 618	19 069	77 549	2 550	4 828	70 171	5	
		2003.. 101 980	36 285	65 694	2 242	6 017	57 436	5	
		2002.. 109 810	13 241	96 569	3 870	6 208	86 491	X	
324199	All other petroleum and coal products manufacturing	2005.. 41 523	12 734	28 789	415	479	27 896	13	
		2004.. 36 724	12 280	24 444	383	785	23 276	16	
		2003.. 93 074	76 805	16 268	877	173	15 219	2	
		2002.. 154 486	102 325	52 161	2 510	3 820	45 831	X	
325	Chemical manufacturing	2005.. 16 886 798	2 901 323	13 985 475	230 097	828 302	12 927 076	1	
		2004.. 16 653 892	3 371 349	13 282 543	192 753	776 854	12 312 936	1	
		2003.. 15 587 686	2 639 485	12 948 201	232 842	794 990	11 920 369	2	
		2002.. 17 808 313	3 342 293	14 466 020	275 678	925 909	13 264 433	X	
3251	Basic chemical manufacturing	2005.. 5 142 534	551 840	4 590 694	45 536	112 261	4 432 897	1	
		2004.. 4 552 340	435 470	4 116 870	27 564	86 016	4 003 289	3	
		2003.. 4 059 538	281 426	3 778 111	41 859	89 826	3 646 426	3	
		2002.. 4 869 762	557 265	4 312 497	68 535	184 002	4 059 960	X	
32511	Petrochemical manufacturing	2005.. 445 886	6 449	439 437	1 183	2 071	436 182	2	
		2004.. 463 744	11 546	452 198	1 854	5 742	444 602	5	
		2003.. 870 447	2 805	867 642	998	2 475	864 169	1	
		2002.. 573 815	92 784	481 031	7 317	19 164	454 550	X	
325110	Petrochemical manufacturing	2005.. 445 886	6 449	439 437	1 183	2 071	436 182	2	
		2004.. 463 744	11 546	452 198	1 854	5 742	444 602	5	
		2003.. 870 447	2 805	867 642	998	2 475	864 169	1	
		2002.. 573 815	92 784	481 031	7 317	19 164	454 550	X	
32512	Industrial gas manufacturing	2005.. 708 919	41 357	667 563	20 129	10 215	637 219	4	
		2004.. 735 410	20 775	714 635	5 741	8 971	699 923	5	
		2003.. 340 539	51 440	289 099	23 165	5 157	260 777	20	
		2002.. 346 652	16 650	330 002	18 180	5 058	306 764	X	
325120	Industrial gas manufacturing	2005.. 708 919	41 357	667 563	20 129	10 215	637 219	4	
		2004.. 735 410	20 775	714 635	5 741	8 971	699 923	5	
		2003.. 340 539	51 440	289 099	23 165	5 157	260 777	20	
		2002.. 346 652	16 650	330 002	18 180	5 058	306 764	X	
32513	Synthetic dye and pigment manufacturing	2005.. 298 966	40 544	258 422	2 471	20 494	235 457	2	
		2004.. 225 608	40 339	185 269	1 674	4 827	178 768	2	
		2003.. 246 361	24 408	221 952	5 017	9 960	206 975	5	
		2002.. 243 907	48 547	195 360	1 855	8 252	185 253	X	
32513M	Synthetic dye and pigment manufacturing	2005.. 298 966	40 544	258 422	2 471	20 494	235 457	2	
		2004.. 225 608	40 339	185 269	1 674	4 827	178 768	2	
		2003.. 246 361	24 408	221 952	5 017	9 960	206 975	5	
		2002.. 243 907	48 547	195 360	1 855	8 252	185 253	X	
32518	Other basic inorganic chemical manufacturing	2005.. 1 105 090	113 213	991 877	6 572	27 596	957 710	3	
		2004.. 655 219	78 940	576 279	5 648	16 524	554 107	3	
		2003.. 771 120	79 411	691 709	7 204	21 312	663 192	7	
		2002.. 1 017 349	147 079	870 270	19 203	59 012	792 055	X	
325181	Alkalies and chlorine manufacturing	2005.. 210 589	10 835	199 754	465	637	198 653	5	
		2004.. 173 961	10 839	163 122	385	1 265	161 472	7	
		2003.. 140 139	5 299	134 839	D	D	131 464	9	
		2002.. 125 042	10 744	114 298	D	D	111 615	X	
325182	Carbon black manufacturing	2005.. 163 863	8 565	155 298	240	481	154 577	4	
		2004.. 50 055	9 538	40 517	88	229	40 199	3	
		2003.. 50 195	10 372	39 823	D	D	38 502	4	
		2002.. 40 087	5 470	34 617	D	D	29 256	X	
325188	All other basic inorganic chemical manufacturing	2005.. 730 638	93 813	636 825	5 867	26 478	604 480	4	
		2004.. 431 203	58 563	372 640	5 175	15 030	352 436	5	
		2003.. 580 786	63 740	517 046	6 045	17 774	493 227	10	
		2002.. 852 220	130 865	721 355	16 942	53 229	651 184	X	
32519	Other basic organic chemical manufacturing	2005.. 2 583 673	350 277	2 233 396	15 181	51 895	2 166 330	2	
		2004.. 2 472 359	283 870	2 188 489	12 648	49 953	2 125 888	5	
		2003.. 1 831 071	123 361	1 707 709	5 476	50 921	1 651 312	4	
		2002.. 2 688 039	252 205	2 435 834	21 980	92 516	2 321 338	X	
32519M	Other basic organic chemical manufacturing	2005.. 2 583 673	350 277	2 233 396	15 181	51 895	2 166 330	2	
		2004.. 2 472 359	283 870	2 188 489	12 648	49 953	2 125 888	5	
		2003.. 1 831 071	123 361	1 707 709	5 476	50 921	1 651 312	4	
		2002.. 2 688 039	252 205	2 435 834	21 980	92 516	2 321 338	X	
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	2005.. 2 661 390	215 753	2 445 638	10 760	47 135	2 387 742	4	
		2004.. 2 131 605	149 406	1 982 199	9 745	33 402	1 939 052	2	
		2003.. 1 981 966	176 834	1 805 132	5 764	52 328	1 747 040	2	
		2002.. 2 570 702	270 697	2 300 005	10 818	68 896	2 220 291	X	

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NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
325	Chemical manufacturing—Con.								
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing—Con.								
32521	Resin and synthetic rubber manufacturing	2005.. 2 463 294	202 870	2 260 424	9 392	44 409	2 206 622	4	
		2004.. 2 009 068	133 070	1 875 998	9 494	31 255	1 835 249	2	
		2003.. 1 751 771	169 473	1 582 298	5 624	50 053	1 526 620	2	
		2002.. 2 348 201	256 161	2 092 040	10 140	63 847	2 018 053	X	
325211	Plastics material and resin manufacturing	2005.. 2 303 244	192 124	2 111 120	8 780	39 478	2 062 862	5	
		2004.. 1 805 945	120 160	1 685 785	9 053	25 136	1 651 596	2	
		2003.. 1 504 090	126 344	1 377 746	5 146	41 155	1 331 444	2	
		2002.. 2 067 927	229 275	1 838 652	9 192	55 385	1 774 075	X	
325212	Synthetic rubber manufacturing	2005.. 160 050	10 746	149 304	612	4 932	143 761	3	
		2004.. 203 123	12 910	190 213	441	6 119	183 652	3	
		2003.. 247 681	43 129	204 552	478	8 898	195 176	9	
		2002.. 280 274	26 886	253 388	948	8 462	243 978	X	
32522	Artificial and synthetic fibers and filaments manufacturing	2005.. 198 096	12 883	185 214	1 368	2 726	181 120	3	
		2004.. 122 537	16 335	106 202	251	2 147	103 803	3	
		2003.. 230 195	7 360	222 835	140	2 275	220 420	1	
		2002.. 222 501	14 536	207 965	678	5 049	202 238	X	
32522M	Artificial and synthetic fibers and filaments manufacturing	2005.. 198 096	12 883	185 214	1 368	2 726	181 120	3	
		2004.. 122 537	16 335	106 202	251	2 147	103 803	3	
		2003.. 230 195	7 360	222 835	140	2 275	220 420	1	
		2002.. 222 501	14 536	207 965	678	5 049	202 238	X	
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2005.. 592 054	109 555	482 499	11 753	8 391	462 355	7	
		2004.. 674 833	95 404	579 429	14 411	12 887	552 131	9	
		2003.. 492 975	54 690	438 284	7 826	9 329	421 129	3	
		2002.. 619 072	105 056	514 016	16 471	11 095	486 450	X	
32531	Fertilizer manufacturing	2005.. 368 369	60 454	307 915	8 209	4 255	295 451	2	
		2004.. 439 230	80 248	358 982	10 030	6 260	342 691	11	
		2003.. 347 026	50 047	296 979	6 901	4 693	285 385	4	
		2002.. 454 627	87 112	367 515	13 625	7 273	346 617	X	
325311	Nitrogenous fertilizer manufacturing	2005.. 110 165	2 698	107 467	873	1 040	105 554	1	
		2004.. 67 921	650	67 271	315	770	66 185	3	
		2003.. 85 689	1 458	84 232	642	1 077	82 513	10	
		2002.. 108 669	7 802	100 867	1 449	916	98 502	X	
325312	Phosphatic fertilizer manufacturing	2005.. 195 050	49 107	145 943	1 576	1 418	142 950	3	
		2004.. 206 536	45 140	161 396	1 011	2 700	157 685	1	
		2003.. 187 757	44 744	143 012	1 118	1 679	140 215	2	
		2002.. 249 719	59 660	190 059	2 607	3 207	184 245	X	
325314	Fertilizer (mixing only) manufacturing	2005.. 63 154	8 649	54 504	5 761	1 797	46 946	6	
		2004.. 164 773	34 458	130 315	8 704	2 790	118 821	29	
		2003.. 73 580	3 845	69 735	5 141	1 937	62 656	12	
		2002.. 96 239	19 650	76 589	9 569	3 150	63 870	X	
32532	Pesticide and other agricultural chemical manufacturing ...	2005.. 223 685	49 101	174 584	3 543	4 136	166 904	19	
		2004.. 235 603	15 156	220 447	4 381	6 626	209 439	16	
		2003.. 145 949	4 644	141 305	925	4 636	135 744	8	
		2002.. 164 445	17 944	146 501	2 846	3 822	139 833	X	
325320	Pesticide and other agricultural chemical manufacturing	2005.. 223 685	49 101	174 584	3 543	4 136	166 904	19	
		2004.. 235 603	15 156	220 447	4 381	6 626	209 439	16	
		2003.. 145 949	4 644	141 305	925	4 636	135 744	8	
		2002.. 164 445	17 944	146 501	2 846	3 822	139 833	X	
3254	Pharmaceutical and medicine manufacturing	2005.. 5 630 241	1 647 164	3 983 077	90 804	487 320	3 404 953	3	
		2004.. 6 696 594	2 242 187	4 454 407	87 876	513 597	3 852 933	2	
		2003.. 5 947 104	1 693 977	4 253 127	125 633	411 182	3 716 312	6	
		2002.. 5 779 675	1 793 076	3 986 599	110 196	423 382	3 453 021	X	
32541	Pharmaceutical and medicine manufacturing	2005.. 5 630 241	1 647 164	3 983 077	90 804	487 320	3 404 953	3	
		2004.. 6 696 594	2 242 187	4 454 407	87 876	513 597	3 852 933	2	
		2003.. 5 947 104	1 693 977	4 253 127	125 633	411 182	3 716 312	6	
		2002.. 5 779 675	1 793 076	3 986 599	110 196	423 382	3 453 021	X	
325411	Medicinal and botanical manufacturing	2005.. 402 505	73 526	328 979	3 411	23 429	302 139	6	
		2004.. 586 986	140 701	446 285	3 860	30 677	411 748	3	
		2003.. 643 120	169 135	473 984	2 168	29 843	441 973	8	
		2002.. 754 288	216 489	537 799	6 522	31 932	499 345	X	
325412	Pharmaceutical preparation manufacturing	2005.. 4 315 863	1 343 042	2 972 821	77 402	393 625	2 501 794	4	
		2004.. 5 306 696	1 896 871	3 409 825	77 598	419 900	2 912 326	2	
		2003.. 4 493 867	1 322 164	3 171 703	119 700	323 278	2 728 725	8	
		2002.. 4 184 151	1 299 026	2 885 125	97 390	327 764	2 459 971	X	
325413	In-vitro diagnostic substance manufacturing	2005.. 268 852	34 224	234 628	4 008	33 910	196 710	3	
		2004.. 243 367	34 699	208 667	2 838	34 162	171 667	3	
		2003.. 256 228	35 303	220 925	857	32 783	187 286	3	
		2002.. 279 624	45 662	233 962	2 037	35 060	196 865	X	
325414	Biological product (except diagnostic) manufacturing	2005.. 643 022	196 373	446 648	5 982	36 355	404 311	6	
		2004.. 559 545	169 916	389 630	3 580	28 858	357 192	7	
		2003.. 553 889	167 374	386 515	2 908	25 279	358 328	2	
		2002.. 561 612	231 899	329 713	4 247	28 626	296 840	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
325	Chemical manufacturing—Con.								
3255	Paint, coating, and adhesive manufacturing	2005.. 432 036	80 388	351 648	6 448	23 298	321 902	5	
		2004.. 383 043	59 815	323 228	6 915	24 707	291 606	5	
		2003.. 539 057	90 870	448 188	9 732	75 329	363 127	4	
		2002.. 623 774	119 874	503 900	12 620	81 021	410 259	X	
32551	Paint and coating manufacturing	2005.. 246 128	57 050	189 078	5 123	12 859	171 096	2	
		2004.. 208 365	36 023	172 342	4 192	13 781	154 369	3	
		2003.. 352 568	73 487	279 081	6 163	60 340	212 577	3	
		2002.. 446 106	95 232	350 874	10 012	72 384	268 478	X	
325510	Paint and coating manufacturing	2005.. 246 128	57 050	189 078	5 123	12 859	171 096	2	
		2004.. 208 365	36 023	172 342	4 192	13 781	154 369	3	
		2003.. 352 568	73 487	279 081	6 163	60 340	212 577	3	
		2002.. 446 106	95 232	350 874	10 012	72 384	268 478	X	
32552	Adhesive manufacturing	2005.. 185 908	23 338	162 570	1 326	10 439	150 805	11	
		2004.. 174 678	23 792	150 886	2 723	10 926	137 238	11	
		2003.. 186 489	17 383	169 106	3 569	14 988	150 549	9	
		2002.. 177 668	24 642	153 026	2 608	8 637	141 781	X	
325520	Adhesive manufacturing	2005.. 185 908	23 338	162 570	1 326	10 439	150 805	11	
		2004.. 174 678	23 792	150 886	2 723	10 926	137 238	11	
		2003.. 186 489	17 383	169 106	3 569	14 988	150 549	9	
		2002.. 177 668	24 642	153 026	2 608	8 637	141 781	X	
3256	Soap, cleaning compound, and toilet preparation manufacturing	2005.. 1 518 955	165 198	1 353 757	29 097	102 067	1 222 593	5	
		2004.. 1 284 529	249 511	1 035 018	19 533	58 906	956 579	3	
		2003.. 1 342 656	153 483	1 189 173	18 542	76 321	1 094 310	3	
		2002.. 2 063 235	274 251	1 788 984	32 869	92 831	1 663 284	X	
32561	Soap and cleaning compound manufacturing	2005.. 985 611	80 007	905 603	19 494	33 597	852 513	7	
		2004.. 649 691	74 701	574 990	12 669	29 977	532 345	4	
		2003.. 681 721	74 928	606 793	10 983	30 089	565 721	5	
		2002.. 1 376 661	155 484	1 221 177	14 256	37 886	1 169 035	X	
32561M	Soap and cleaning compound manufacturing	2005.. 985 611	80 007	905 603	19 494	33 597	852 513	7	
		2004.. 649 691	74 701	574 990	12 669	29 977	532 345	4	
		2003.. 681 721	74 928	606 793	10 983	30 089	565 721	5	
		2002.. 1 376 661	155 484	1 221 177	14 256	37 886	1 169 035	X	
32562	Toilet preparation manufacturing	2005.. 533 344	85 191	448 154	9 604	68 470	370 080	2	
		2004.. 634 837	174 810	460 028	6 864	28 930	424 234	5	
		2003.. 660 935	78 555	582 380	7 559	46 232	528 589	4	
		2002.. 686 574	118 767	567 807	18 613	54 945	494 249	X	
325620	Toilet preparation manufacturing	2005.. 533 344	85 191	448 154	9 604	68 470	370 080	2	
		2004.. 634 837	174 810	460 028	6 864	28 930	424 234	5	
		2003.. 660 935	78 555	582 380	7 559	46 232	528 589	4	
		2002.. 686 574	118 767	567 807	18 613	54 945	494 249	X	
3259	Other chemical product and preparation manufacturing	2005.. 909 588	131 426	778 162	35 698	47 830	694 634	1	
		2004.. 930 948	139 556	791 392	26 708	47 338	717 346	5	
		2003.. 1 224 390	188 205	1 036 185	23 485	80 674	932 026	4	
		2002.. 1 282 093	222 074	1 060 019	24 189	64 682	971 168	X	
32591	Printing ink manufacturing	2005.. 54 951	4 461	50 490	2 167	4 186	44 136	6	
		2004.. 117 680	16 407	101 274	2 689	4 221	94 364	33	
		2003.. 98 347	17 625	80 722	4 730	11 583	64 409	8	
		2002.. 102 066	13 498	88 568	3 910	8 461	76 197	X	
325910	Printing ink manufacturing	2005.. 54 951	4 461	50 490	2 167	4 186	44 136	6	
		2004.. 117 680	16 407	101 274	2 689	4 221	94 364	33	
		2003.. 98 347	17 625	80 722	4 730	11 583	64 409	8	
		2002.. 102 066	13 498	88 568	3 910	8 461	76 197	X	
32592	Explosives manufacturing	2005.. 22 708	4 194	18 514	4 104	1 813	12 597	10	
		2004.. 22 782	3 574	19 208	5 299	1 830	12 079	6	
		2003.. 18 637	5 890	12 748	1 063	1 851	9 834	14	
		2002.. 24 990	1 690	23 300	2 786	785	19 729	X	
325920	Explosives manufacturing	2005.. 22 708	4 194	18 514	4 104	1 813	12 597	10	
		2004.. 22 782	3 574	19 208	5 299	1 830	12 079	6	
		2003.. 18 637	5 890	12 748	1 063	1 851	9 834	14	
		2002.. 24 990	1 690	23 300	2 786	785	19 729	X	
32599	All other chemical product and preparation manufacturing	2005.. 831 929	122 770	709 159	29 427	41 831	637 901	1	
		2004.. 790 486	119 575	670 911	18 719	41 288	610 904	3	
		2003.. 1 107 406	164 691	942 715	17 692	67 240	857 783	4	
		2002.. 1 155 037	206 886	948 151	17 473	55 436	875 242	X	
325991	Custom compounding of purchased resins	2005.. 181 014	16 589	164 425	9 822	6 765	147 838	5	
		2004.. 216 896	38 981	177 915	10 251	8 632	159 032	6	
		2003.. 251 455	28 460	222 995	9 530	12 591	200 874	6	
		2002.. 232 384	39 343	193 041	4 768	7 608	180 665	X	
32599N	All other miscellaneous chemical product and preparation manufacturing (including photographic)	2005.. 650 915	106 181	544 734	19 605	35 066	490 063	1	
		2004.. 573 589	80 594	492 996	8 468	32 656	451 872	3	
		2003.. 855 951	136 230	719 720	8 162	54 649	656 909	5	
		2002.. 922 653	167 543	755 110	12 705	47 828	694 577	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
326	Plastics and rubber products manufacturing	2005..	6 967 660	715 483	6 252 177	138 236	337 397	5 776 544	2
		2004..	6 517 662	646 840	5 870 822	115 836	273 826	5 481 160	2
		2003..	6 300 617	635 025	5 665 593	135 656	300 177	5 229 760	2
		2002..	7 353 587	906 139	6 447 448	166 988	355 234	5 925 226	X
3261	Plastics product manufacturing	2005..	5 875 845	618 906	5 256 939	123 734	278 364	4 854 841	2
		2004..	5 368 227	540 787	4 827 440	93 600	228 227	4 505 613	2
		2003..	5 370 193	572 127	4 798 065	123 409	260 186	4 414 470	2
		2002..	6 262 925	794 977	5 467 948	148 564	318 417	5 000 967	X
32611	Unsupported plastics film, sheet, and bag manufacturing ...	2005..	1 002 821	75 317	927 504	12 447	35 811	879 245	3
		2004..	795 588	79 028	716 560	8 809	34 232	673 519	3
		2003..	962 982	80 594	882 389	12 988	52 638	816 763	5
		2002..	1 229 494	138 079	1 091 415	17 476	70 605	1 003 334	X
326111	Plastics bag manufacturing	2005..	260 226	17 949	242 277	4 778	9 236	228 263	6
		2004..	248 636	17 751	230 884	3 252	10 093	217 539	5
		2003..	247 130	24 566	222 564	5 177	9 749	207 637	5
		2002..	288 825	27 308	261 517	4 837	11 041	245 639	X
326112	Plastics packaging film and sheet (including laminated) manufacturing	2005..	228 921	17 788	211 133	1 432	6 728	202 972	4
		2004..	206 957	22 370	184 587	1 403	10 240	172 944	3
		2003..	250 298	18 805	231 493	1 389	12 944	217 160	7
		2002..	252 833	28 040	224 793	3 698	8 209	212 886	X
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2005..	513 674	39 580	474 094	6 237	19 847	448 010	4
		2004..	339 996	38 907	301 089	4 154	13 899	283 037	4
		2003..	465 555	37 223	428 332	6 422	29 944	391 966	8
		2002..	687 836	82 731	605 105	8 941	51 355	544 809	X
32612	Plastics pipe, pipe fitting, and unsupported profile shape manufacturing	2005..	491 126	52 524	438 603	7 684	24 884	406 034	3
		2004..	453 082	53 562	399 520	4 813	13 476	381 231	4
		2003..	458 899	66 013	392 886	7 067	17 661	368 157	10
		2002..	511 234	67 298	443 936	8 965	22 494	412 477	X
326121	Unsupported plastics profile shape manufacturing	2005..	272 350	17 792	254 558	3 986	19 170	231 402	4
		2004..	244 655	19 505	225 150	2 349	10 639	212 163	4
		2003..	226 505	30 914	195 591	3 345	11 465	180 782	13
		2002..	263 386	26 527	236 859	4 926	17 179	214 754	X
326122	Plastics pipe and pipe fitting manufacturing	2005..	218 776	34 731	184 045	3 698	5 714	174 632	6
		2004..	208 427	34 058	174 370	2 465	2 837	169 068	6
		2003..	232 394	35 099	197 294	3 723	6 196	187 376	15
		2002..	247 848	40 771	207 077	4 039	5 315	197 723	X
32613	Laminated plastics plate, sheet, and shape manufacturing	2005..	66 762	6 969	59 792	1 239	2 337	56 216	5
		2004..	75 337	10 040	65 297	2 357	3 402	59 539	5
		2003..	63 839	9 371	54 468	2 621	2 686	49 162	4
		2002..	75 651	9 957	65 694	3 738	6 938	55 018	X
326130	Laminated plastics plate, sheet, and shape manufacturing	2005..	66 762	6 969	59 792	1 239	2 337	56 216	5
		2004..	75 337	10 040	65 297	2 357	3 402	59 539	5
		2003..	63 839	9 371	54 468	2 621	2 686	49 162	4
		2002..	75 651	9 957	65 694	3 738	6 938	55 018	X
32614	Polystyrene foam product manufacturing	2005..	221 652	29 289	192 363	5 395	7 301	179 667	4
		2004..	201 285	22 232	179 053	5 962	6 920	166 172	6
		2003..	180 437	22 154	158 283	5 640	5 109	147 534	13
		2002..	271 134	53 872	217 262	7 522	15 341	194 399	X
326140	Polystyrene foam product manufacturing	2005..	221 652	29 289	192 363	5 395	7 301	179 667	4
		2004..	201 285	22 232	179 053	5 962	6 920	166 172	6
		2003..	180 437	22 154	158 283	5 640	5 109	147 534	13
		2002..	271 134	53 872	217 262	7 522	15 341	194 399	X
32615	Urethane and other foam product (except polystyrene) manufacturing	2005..	161 199	26 853	134 346	7 536	10 399	116 411	5
		2004..	156 294	22 479	133 815	6 239	6 854	120 722	6
		2003..	156 592	22 261	134 331	5 562	6 220	122 548	7
		2002..	186 130	26 801	159 329	8 798	10 192	140 339	X
326150	Urethane and other foam product (except polystyrene) manufacturing	2005..	161 199	26 853	134 346	7 536	10 399	116 411	5
		2004..	156 294	22 479	133 815	6 239	6 854	120 722	6
		2003..	156 592	22 261	134 331	5 562	6 220	122 548	7
		2002..	186 130	26 801	159 329	8 798	10 192	140 339	X
32616	Plastics bottle manufacturing	2005..	433 635	20 701	412 934	4 357	8 391	400 186	2
		2004..	419 737	17 366	402 372	2 221	5 311	394 839	4
		2003..	469 500	16 469	453 031	2 025	4 843	446 162	5
		2002..	520 977	30 934	490 043	4 726	13 829	471 488	X
326160	Plastics bottle manufacturing	2005..	433 635	20 701	412 934	4 357	8 391	400 186	2
		2004..	419 737	17 366	402 372	2 221	5 311	394 839	4
		2003..	469 500	16 469	453 031	2 025	4 843	446 162	5
		2002..	520 977	30 934	490 043	4 726	13 829	471 488	X

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NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—				
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures					
									A	B	C	D
326	Plastics and rubber products manufacturing—Con.											
3261	Plastics product manufacturing—Con.											
32619	Other plastics product manufacturing	2005.. 3 498 650	407 253	3 091 397	85 076	189 240	2 817 081	3				
		2004.. 3 266 904	336 081	2 930 823	63 199	158 031	2 709 592	4				
		2003.. 3 077 945	355 266	2 722 679	87 506	171 030	2 464 143	3				
		2002.. 3 468 305	468 036	3 000 269	97 339	179 018	2 723 912	X				
32619M	Other plastics product manufacturing	2005.. 3 498 650	407 253	3 091 397	85 076	189 240	2 817 081	3				
		2004.. 3 266 904	336 081	2 930 823	63 199	158 031	2 709 592	4				
		2003.. 3 077 945	355 266	2 722 679	87 506	171 030	2 464 143	3				
		2002.. 3 468 305	468 036	3 000 269	97 339	179 018	2 723 912	X				
3262	Rubber product manufacturing	2005.. 1 091 815	96 577	995 238	14 502	59 033	921 703	2				
		2004.. 1 149 435	106 054	1 043 382	22 236	45 599	975 547	2				
		2003.. 930 425	62 897	867 528	12 247	39 991	815 290	3				
		2002.. 1 090 662	111 162	979 500	18 424	36 817	924 259	X				
32621	Tire manufacturing	2005.. 618 661	38 944	579 718	7 442	34 099	538 177	3				
		2004.. 547 123	33 401	513 722	4 054	9 591	500 077	1				
		2003.. 492 321	20 150	472 171	3 263	13 051	455 857	5				
		2002.. 527 585	24 789	502 796	6 579	10 337	485 880	X				
32621M	Tire manufacturing	2005.. 618 661	38 944	579 718	7 442	34 099	538 177	3				
		2004.. 547 123	33 401	513 722	4 054	9 591	500 077	1				
		2003.. 492 321	20 150	472 171	3 263	13 051	455 857	5				
		2002.. 527 585	24 789	502 796	6 579	10 337	485 880	X				
32622	Rubber and plastics hoses and belting manufacturing	2005.. 106 850	9 050	97 800	712	6 049	91 039	3				
		2004.. 92 572	5 228	87 343	719	5 104	81 521	4				
		2003.. 91 243	14 357	76 886	859	4 480	71 547	6				
		2002.. 128 883	27 460	101 423	1 270	3 756	96 397	X				
326220	Rubber and plastics hoses and belting manufacturing	2005.. 106 850	9 050	97 800	712	6 049	91 039	3				
		2004.. 92 572	5 228	87 343	719	5 104	81 521	4				
		2003.. 91 243	14 357	76 886	859	4 480	71 547	6				
		2002.. 128 883	27 460	101 423	1 270	3 756	96 397	X				
32629	Other rubber product manufacturing	2005.. 366 303	48 583	317 720	6 348	18 884	292 488	5				
		2004.. 509 740	67 424	442 316	17 463	30 904	393 948	5				
		2003.. 346 861	28 391	318 471	8 125	22 460	287 886	5				
		2002.. 434 194	58 913	375 281	10 575	22 724	341 982	X				
32629M	Other rubber product manufacturing	2005.. 366 303	48 583	317 720	6 348	18 884	292 488	5				
		2004.. 509 740	67 424	442 316	17 463	30 904	393 948	5				
		2003.. 346 861	28 391	318 471	8 125	22 460	287 886	5				
		2002.. 434 194	58 913	375 281	10 575	22 724	341 982	X				
327	Nonmetallic mineral product manufacturing	2005.. 5 155 744	568 008	4 587 736	603 779	156 375	3 827 581	1				
		2004.. 4 606 279	552 822	4 053 457	594 552	130 176	3 328 729	2				
		2003.. 4 629 742	654 891	3 974 851	475 277	155 878	3 343 697	4				
		2002.. 5 202 978	777 038	4 425 940	420 171	183 642	3 822 127	X				
3271	Clay product and refractory manufacturing	2005.. 397 313	49 305	348 008	10 490	9 924	327 593	3				
		2004.. 338 530	22 287	316 243	11 236	7 334	297 674	3				
		2003.. 361 418	52 396	309 022	32 004	14 276	262 742	6				
		2002.. 359 627	60 070	299 557	12 793	17 979	268 785	X				
32711	Pottery, ceramics, and plumbing fixture manufacturing	2005.. 151 568	23 196	128 372	1 128	4 797	122 447	3				
		2004.. 105 205	8 510	96 696	766	3 215	92 714	3				
		2003.. 92 792	7 753	85 039	747	3 140	81 152	5				
		2002.. 108 466	16 273	92 193	1 800	6 441	83 952	X				
327111	Vitreous china plumbing fixture and china and earthenware bathroom accessories manufacturing	2005.. 20 496	2 229	18 267	86	1 228	16 953	2				
		2004.. 8 017	1 541	6 476	20	222	6 234	4				
		2003.. 12 063	1 014	11 049	D	248	D	5				
		2002.. 25 191	2 288	22 903	D	2 859	D	X				
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	2005.. 62 556	13 625	48 931	596	1 724	46 612	5				
		2004.. 41 341	2 992	38 348	129	940	37 279	4				
		2003.. 59 583	4 249	55 334	601	1 531	53 203	7				
		2002.. 31 344	5 102	26 242	569	1 595	24 078	X				
327113	Porcelain electrical supply manufacturing	2005.. 68 516	7 342	61 174	446	1 846	58 883	5				
		2004.. 55 848	3 977	51 871	617	2 053	49 201	6				
		2003.. 21 146	2 491	18 656	D	1 361	D	5				
		2002.. 51 931	8 883	43 048	D	1 987	D	X				
32712	Clay building material and refractories manufacturing	2005.. 245 745	26 110	219 635	9 362	5 126	205 146	5				
		2004.. 233 325	13 777	219 548	10 469	4 119	204 960	4				
		2003.. 268 626	44 643	223 983	31 257	11 136	181 590	8				
		2002.. 251 161	43 797	207 364	10 993	11 538	184 833	X				
327121	Brick and structural clay tile manufacturing	2005.. 126 809	7 315	119 495	8 066	1 071	110 358	9				
		2004.. 145 099	5 316	139 783	9 715	1 269	128 799	6				
		2003.. 164 429	32 447	131 983	28 706	4 242	99 035	13				
		2002.. 143 082	19 147	123 935	8 535	3 107	112 293	X				
327122	Ceramic wall and floor tile manufacturing	2005.. 21 933	1 447	20 486	63	923	19 500	6				
		2004.. 20 734	2 435	18 300	52	834	17 414	3				
		2003.. 43 861	8 097	35 763	1 401	4 723	29 640	14				
		2002.. 33 756	5 950	27 806	954	3 946	22 906	X				
327123	Other structural clay product manufacturing	2005.. 21 608	5 179	16 429	154	138	16 137	3				
		2004.. 8 832	2 217	6 615	191	166	6 258	8				
		2003.. 6 749	636	6 113	398	305	5 411	2				
		2002.. 16 654	4 238	12 416	511	236	11 669	X				

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

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				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
327	Nonmetallic mineral product manufacturing—Con.								
3271	Clay product and refractory manufacturing—Con.								
32712	Clay building material and refractories manufacturing—Con.								
32712N	Refractory manufacturing	2005.. 75 395	12 169	63 226	1 079	2 995	59 152	5	
		2004.. 58 659	3 810	54 849	512	1 849	52 488	5	
		2003.. 53 587	3 462	50 125	753	1 866	47 505	9	
		2002.. 57 669	14 462	43 207	993	4 249	37 965	X	
3272	Glass and glass product manufacturing	2005.. 1 090 977	91 912	999 066	10 572	25 118	963 376	2	
		2004.. 1 103 811	130 404	973 408	11 373	28 524	933 512	1	
		2003.. 1 093 796	96 557	997 240	12 575	25 090	959 574	5	
		2002.. 1 094 963	104 830	990 133	13 106	36 719	940 308	X	
32721	Glass and glass product manufacturing	2005.. 1 090 977	91 912	999 066	10 572	25 118	963 376	2	
		2004.. 1 103 811	130 404	973 408	11 373	28 524	933 512	1	
		2003.. 1 093 796	96 557	997 240	12 575	25 090	959 574	5	
		2002.. 1 094 963	104 830	990 133	13 106	36 719	940 308	X	
327211	Flat glass manufacturing	2005.. 204 247	8 159	196 088	726	2 866	192 496	1	
		2004.. 194 189	14 780	179 409	2 474	3 774	173 160	1	
		2003.. 146 262	14 349	131 913	D	D	130 031	19	
		2002.. 156 944	9 453	147 491	863	2 057	144 571	X	
327212	Other pressed and blown glass and glassware manufacturing	2005.. 193 875	9 603	184 271	924	3 800	179 547	7	
		2004.. 260 166	47 757	212 410	608	7 109	204 693	3	
		2003.. 314 415	18 500	295 915	825	7 096	287 993	1	
		2002.. 300 061	31 689	268 372	1 867	14 315	252 190	X	
327213	Glass container manufacturing	2005.. 211 874	10 200	201 674	191	3 694	197 789	4	
		2004.. 253 097	10 862	242 234	230	3 382	238 622	3	
		2003.. 310 937	11 713	299 225	D	D	296 557	11	
		2002.. 273 468	23 662	249 806	232	1 895	247 679	X	
327215	Glass product manufacturing made of purchased glass	2005.. 480 982	63 949	417 033	8 731	14 758	393 543	3	
		2004.. 396 359	57 004	339 355	8 060	14 258	317 037	3	
		2003.. 322 182	51 995	270 187	11 089	14 104	244 994	9	
		2002.. 364 490	40 026	324 464	10 144	18 452	295 868	X	
3273	Cement and concrete product manufacturing	2005.. 2 740 997	325 876	2 415 122	553 936	91 434	1 769 751	2	
		2004.. 2 258 290	274 457	1 983 834	542 106	69 727	1 372 001	3	
		2003.. 2 313 802	377 614	1 936 187	409 604	85 274	1 441 309	7	
		2002.. 2 848 228	460 858	2 387 370	364 270	96 795	1 926 305	X	
32731	Cement manufacturing	2005.. 787 761	96 515	691 246	12 720	11 765	666 761	4	
		2004.. 602 437	67 655	534 782	4 812	12 206	517 764	2	
		2003.. 792 657	180 879	611 778	9 888	18 121	583 770	2	
		2002.. 1 300 842	184 458	1 116 384	10 730	14 226	1 091 428	X	
327310	Cement manufacturing	2005.. 787 761	96 515	691 246	12 720	11 765	666 761	4	
		2004.. 602 437	67 655	534 782	4 812	12 206	517 764	2	
		2003.. 792 657	180 879	611 778	9 888	18 121	583 770	2	
		2002.. 1 300 842	184 458	1 116 384	10 730	14 226	1 091 428	X	
32732	Ready-mix concrete manufacturing	2005.. 1 123 613	78 956	1 044 656	466 267	44 538	533 851	4	
		2004.. 1 026 431	95 443	930 988	476 728	34 306	419 954	6	
		2003.. 966 701	74 829	891 872	345 789	44 430	501 652	15	
		2002.. 894 590	131 041	763 549	283 188	49 230	431 131	X	
327320	Ready-mix concrete manufacturing	2005.. 1 123 613	78 956	1 044 656	466 267	44 538	533 851	4	
		2004.. 1 026 431	95 443	930 988	476 728	34 306	419 954	6	
		2003.. 966 701	74 829	891 872	345 789	44 430	501 652	15	
		2002.. 894 590	131 041	763 549	283 188	49 230	431 131	X	
32733	Concrete pipe, brick, and block manufacturing	2005.. 431 217	74 178	357 039	37 578	17 035	302 426	6	
		2004.. 275 311	51 982	223 329	31 214	9 185	182 930	4	
		2003.. 273 485	58 966	214 519	21 538	8 284	184 697	15	
		2002.. 291 537	72 571	218 966	38 418	11 867	168 681	X	
32733M	Concrete pipe, brick, and block manufacturing	2005.. 431 217	74 178	357 039	37 578	17 035	302 426	6	
		2004.. 275 311	51 982	223 329	31 214	9 185	182 930	4	
		2003.. 273 485	58 966	214 519	21 538	8 284	184 697	15	
		2002.. 291 537	72 571	218 966	38 418	11 867	168 681	X	
32739	Other concrete product manufacturing	2005.. 398 407	76 227	322 180	37 371	18 096	266 713	4	
		2004.. 354 112	59 376	294 735	29 352	14 031	251 353	5	
		2003.. 280 958	62 940	218 018	32 390	14 439	171 189	7	
		2002.. 361 259	72 788	288 471	31 934	21 472	235 065	X	
327390	Other concrete product manufacturing	2005.. 398 407	76 227	322 180	37 371	18 096	266 713	4	
		2004.. 354 112	59 376	294 735	29 352	14 031	251 353	5	
		2003.. 280 958	62 940	218 018	32 390	14 439	171 189	7	
		2002.. 361 259	72 788	288 471	31 934	21 472	235 065	X	
3274	Lime and gypsum product manufacturing	2005.. 262 449	24 421	238 028	2 062	1 619	234 346	2	
		2004.. 207 789	14 042	193 747	4 581	1 390	187 776	3	
		2003.. 307 623	45 421	262 202	4 091	3 009	255 101	12	
		2002.. 202 100	26 026	176 074	4 283	4 381	167 410	X	
32741	Lime manufacturing	2005.. 70 549	5 898	64 651	990	1 074	62 587	7	
		2004.. 76 478	2 921	73 557	2 026	743	70 788	8	
		2003.. 56 104	4 322	51 782	758	1 365	49 659	11	
		2002.. 42 939	6 776	36 163	1 845	664	33 654	X	
327410	Lime manufacturing	2005.. 70 549	5 898	64 651	990	1 074	62 587	7	
		2004.. 76 478	2 921	73 557	2 026	743	70 788	8	
		2003.. 56 104	4 322	51 782	758	1 365	49 659	11	
		2002.. 42 939	6 776	36 163	1 845	664	33 654	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—				
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures					
									A	B	C	D
327	Nonmetallic mineral product manufacturing—Con.											
3274	Lime and gypsum product manufacturing—Con.											
32742	Gypsum product manufacturing	2005.. 191 900	18 523	173 376	1 072	545	171 759	1				
		2004.. 131 311	11 120	120 190	2 555	648	116 988	1				
		2003.. 251 519	41 099	210 420	3 334	1 645	205 442	15				
		2002.. 159 161	19 250	139 911	2 438	3 717	133 756	X				
327420	Gypsum product manufacturing	2005.. 191 900	18 523	173 376	1 072	545	171 759	1				
		2004.. 131 311	11 120	120 190	2 555	648	116 988	1				
		2003.. 251 519	41 099	210 420	3 334	1 645	205 442	15				
		2002.. 159 161	19 250	139 911	2 438	3 717	133 756	X				
3279	Other nonmetallic mineral product manufacturing	2005.. 664 007	76 494	587 513	26 718	28 280	532 515	3				
		2004.. 697 858	111 633	586 225	25 257	23 202	537 767	5				
		2003.. 553 103	82 903	470 201	17 002	28 228	424 970	4				
		2002.. 698 060	125 254	572 806	25 719	27 768	519 319	X				
32791	Abrasive product manufacturing	2005.. 120 146	18 138	102 008	1 095	7 311	93 602	9				
		2004.. 117 214	24 846	92 368	1 503	4 210	86 655	9				
		2003.. 126 657	26 909	99 748	2 748	4 432	92 568	9				
		2002.. 94 990	12 057	82 933	2 329	3 743	76 861	X				
327910	Abrasive product manufacturing	2005.. 120 146	18 138	102 008	1 095	7 311	93 602	9				
		2004.. 117 214	24 846	92 368	1 503	4 210	86 655	9				
		2003.. 126 657	26 909	99 748	2 748	4 432	92 568	9				
		2002.. 94 990	12 057	82 933	2 329	3 743	76 861	X				
32799	All other nonmetallic mineral product manufacturing	2005.. 543 861	58 356	485 505	25 623	20 969	438 913	3				
		2004.. 580 644	86 787	493 857	23 753	18 992	451 112	6				
		2003.. 426 446	55 994	370 452	14 254	23 796	332 403	5				
		2002.. 603 070	113 197	489 873	23 390	24 025	442 458	X				
327991	Cut stone and stone product manufacturing	2005.. 130 624	22 254	108 370	13 455	7 133	87 782	9				
		2004.. 125 588	16 637	108 951	10 461	5 188	93 302	10				
		2003.. 86 458	11 148	75 309	6 618	4 871	63 821	12				
		2002.. 88 113	17 011	71 102	12 652	7 473	50 977	X				
327992	Ground or treated mineral and earth manufacturing	2005.. 87 747	11 660	76 087	6 146	3 150	66 790	10				
		2004.. 129 048	25 837	103 211	4 384	1 856	96 970	23				
		2003.. 76 322	5 351	70 971	1 388	1 689	67 894	17				
		2002.. 85 559	15 297	70 262	2 903	4 873	62 486	X				
327993	Mineral wool manufacturing	2005.. 244 398	11 872	232 526	895	7 636	223 995	1				
		2004.. 216 863	31 011	185 853	2 068	8 030	175 755	5				
		2003.. 212 201	34 235	177 966	1 677	10 285	166 004	6				
		2002.. 371 055	69 795	301 260	3 290	7 465	290 505	X				
327999	All other miscellaneous nonmetallic mineral product manufacturing	2005.. 81 091	12 569	68 522	5 127	3 050	60 345	7				
		2004.. 109 145	13 302	95 843	6 840	3 918	85 085	7				
		2003.. 51 465	5 259	46 206	4 571	6 951	34 684	10				
		2002.. 58 343	11 094	47 249	4 545	4 214	38 490	X				
331	Primary metal manufacturing	2005.. 4 474 561	383 916	4 090 644	51 208	138 277	3 901 160	1				
		2004.. 3 920 684	320 720	3 599 965	43 111	220 195	3 336 658	3				
		2003.. 3 300 712	399 320	2 901 393	41 849	124 755	2 734 789	2				
		2002.. 4 282 719	445 071	3 837 648	52 582	208 807	3 576 259	X				
3311	Iron and steel mills and ferroalloy manufacturing	2005.. 1 802 479	144 976	1 657 503	10 952	28 501	1 618 050	2				
		2004.. 1 489 928	96 983	1 392 945	13 288	18 346	1 361 310	2				
		2003.. 958 045	161 196	796 849	5 230	18 575	773 044	1				
		2002.. 1 350 989	100 535	1 250 454	7 582	24 254	1 218 618	X				
33111	Iron and steel mills and ferroalloy manufacturing	2005.. 1 802 479	144 976	1 657 503	10 952	28 501	1 618 050	2				
		2004.. 1 489 928	96 983	1 392 945	13 288	18 346	1 361 310	2				
		2003.. 958 045	161 196	796 849	5 230	18 575	773 044	1				
		2002.. 1 350 989	100 535	1 250 454	7 582	24 254	1 218 618	X				
33111M	Iron and steel mills and ferroalloy manufacturing	2005.. 1 802 479	144 976	1 657 503	10 952	28 501	1 618 050	2				
		2004.. 1 489 928	96 983	1 392 945	13 288	18 346	1 361 310	2				
		2003.. 958 045	161 196	796 849	5 230	18 575	773 044	1				
		2002.. 1 350 989	100 535	1 250 454	7 582	24 254	1 218 618	X				
3312	Steel product manufacturing from purchased steel	2005.. 360 392	35 349	325 042	5 572	18 141	301 330	4				
		2004.. 448 370	34 397	413 973	4 057	122 285	287 631	26				
		2003.. 420 360	53 824	366 536	5 801	19 035	341 700	6				
		2002.. 412 745	65 409	347 336	4 511	15 566	327 259	X				
33121	Iron and steel pipe and tube manufacturing from purchased steel	2005.. 187 368	18 961	168 407	3 145	10 622	154 640	4				
		2004.. 166 660	24 984	141 676	2 575	4 748	134 353	5				
		2003.. 230 404	27 675	202 729	2 093	6 759	193 877	9				
		2002.. 213 899	39 963	173 936	1 575	5 442	166 919	X				
331210	Iron and steel pipe and tube manufacturing from purchased steel	2005.. 187 368	18 961	168 407	3 145	10 622	154 640	4				
		2004.. 166 660	24 984	141 676	2 575	4 748	134 353	5				
		2003.. 230 404	27 675	202 729	2 093	6 759	193 877	9				
		2002.. 213 899	39 963	173 936	1 575	5 442	166 919	X				
33122	Rolling and drawing of purchased steel	2005.. 173 024	16 388	156 635	2 427	7 518	146 690	7				
		2004.. 281 710	9 413	272 297	1 483	117 536	153 278	42				
		2003.. 189 956	26 149	163 807	3 708	12 276	147 823	6				
		2002.. 198 846	25 446	173 400	2 936	10 124	160 340	X				
33122M	Rolling and drawing of purchased steel	2005.. 173 024	16 388	156 635	2 427	7 518	146 690	7				
		2004.. 281 710	9 413	272 297	1 483	117 536	153 278	42				
		2003.. 189 956	26 149	163 807	3 708	12 276	147 823	6				
		2002.. 198 846	25 446	173 400	2 936	10 124	160 340	X				

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				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
331	Primary metal manufacturing—Con.								
3313	Alumina and aluminum production and processing	2005.. 662 358	35 225	627 133	8 844	31 013	587 276	2	
		2004.. 536 571	28 458	508 112	4 940	26 415	476 758	1	
		2003.. 503 638	41 077	462 562	4 999	20 353	437 209	1	
		2002.. 712 752	79 875	632 877	10 026	91 218	531 633	X	
33131	Alumina and aluminum production and processing	2005.. 662 358	35 225	627 133	8 844	31 013	587 276	2	
		2004.. 536 571	28 458	508 112	4 940	26 415	476 758	1	
		2003.. 503 638	41 077	462 562	4 999	20 353	437 209	1	
		2002.. 712 752	79 875	632 877	10 026	91 218	531 633	X	
331311	Alumina refining	2005.. 22 116	293	21 823	D	D	20 461	3	
		2004.. 24 131	124	24 007	—	66	23 941	2	
		2003.. 20 108	D	D	D	D	D	6	
		2002.. 19 890	D	D	D	D	D	X	
331312	Primary aluminum production.....	2005.. 92 069	3 651	88 418	464	3 386	84 568	1	
		2004.. 125 349	9 940	115 409	87	1 782	113 540	1	
		2003.. 85 212	9 820	75 392	54	1 165	74 173	1	
		2002.. 146 677	17 962	128 715	2 510	2 198	124 007	X	
331314	Secondary smelting and alloying of aluminum	2005.. 75 161	8 327	66 833	D	D	63 005	4	
		2004.. 56 090	3 905	52 186	1 503	2 362	48 320	9	
		2003.. 54 813	D	D	D	D	D	7	
		2002.. 66 062	D	D	D	D	D	X	
331316	Aluminum extruded product manufacturing	2005.. 143 467	14 242	129 225	3 050	6 166	120 009	2	
		2004.. 106 807	8 915	97 892	2 171	6 564	89 157	2	
		2003.. 125 229	7 555	117 674	3 274	5 923	108 477	4	
		2002.. 160 056	19 898	140 158	2 773	4 673	132 712	X	
33131N	Aluminum rolling and drawing	2005.. 329 545	8 712	320 833	3 831	17 770	299 233	5	
		2004.. 224 194	5 575	218 619	1 178	15 641	201 799	2	
		2003.. 218 277	7 279	210 998	558	11 886	198 554	1	
		2002.. 320 067	24 466	295 601	3 655	80 380	211 566	X	
3314	Nonferrous metal (except aluminum) production and processing	2005.. 533 962	69 507	464 455	7 198	19 508	437 749	2	
		2004.. 399 094	59 874	339 221	4 010	18 579	316 632	2	
		2003.. 386 482	37 090	349 392	4 522	21 593	323 277	2	
		2002.. 644 910	78 057	566 853	6 813	30 614	529 426	X	
33141	Nonferrous metal (except aluminum) smelting and refining	2005.. 140 651	28 327	112 324	1 545	2 649	108 130	2	
		2004.. 87 821	16 995	70 827	626	2 178	68 023	1	
		2003.. 63 453	7 982	55 472	925	1 435	53 112	7	
		2002.. 230 762	29 282	201 480	679	2 556	198 245	X	
331411	Primary smelting and refining of copper	2005.. 20 202	D	D	D	570	18 966	1	
		2004.. 10 600	D	D	D	D	D	1	
		2003.. 4 843	D	D	D	D	D	6	
		2002.. D	D	D	D	D	D	X	
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	2005.. 120 449	D	D	D	2 079	89 164	2	
		2004.. 77 221	D	D	D	D	D	1	
		2003.. 58 611	D	D	D	D	D	7	
		2002.. D	D	D	D	D	D	X	
33142	Copper rolling, drawing, extruding, and alloying	2005.. 141 762	18 305	123 457	1 807	6 494	115 156	2	
		2004.. 140 318	22 452	117 865	1 623	9 467	106 775	2	
		2003.. 166 792	20 475	146 317	1 049	16 004	129 264	4	
		2002.. 225 988	25 126	200 862	2 518	13 943	184 401	X	
33142M	Copper rolling, drawing, extruding, and alloying	2005.. 141 762	18 305	123 457	1 807	6 494	115 156	2	
		2004.. 140 318	22 452	117 865	1 623	9 467	106 775	2	
		2003.. 166 792	20 475	146 317	1 049	16 004	129 264	4	
		2002.. 225 988	25 126	200 862	2 518	13 943	184 401	X	
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	2005.. 251 549	22 875	228 674	3 847	10 365	214 463	4	
		2004.. 170 955	20 427	150 529	1 760	6 934	141 834	4	
		2003.. 156 237	8 634	147 603	2 549	4 154	140 901	4	
		2002.. 188 160	23 649	164 511	3 616	14 115	146 780	X	
33149M	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	2005.. 251 549	22 875	228 674	3 847	10 365	214 463	4	
		2004.. 170 955	20 427	150 529	1 760	6 934	141 834	4	
		2003.. 156 237	8 634	147 603	2 549	4 154	140 901	4	
		2002.. 188 160	23 649	164 511	3 616	14 115	146 780	X	
3315	Foundries.....	2005.. 1 115 370	98 860	1 016 511	18 641	41 114	956 756	2	
		2004.. 1 046 721	101 007	945 714	16 816	34 571	894 326	1	
		2003.. 1 032 187	106 133	926 054	21 297	45 198	859 559	5	
		2002.. 1 161 323	121 195	1 040 128	23 650	47 155	969 323	X	
33151	Ferrous metal foundries	2005.. 682 409	65 703	616 706	11 146	20 561	585 000	2	
		2004.. 668 398	67 644	600 754	10 929	19 273	570 552	2	
		2003.. 675 095	68 318	606 777	12 319	30 690	563 768	7	
		2002.. 775 678	73 124	702 554	15 432	31 580	655 542	X	
33151M	Ferrous metal foundries	2005.. 682 409	65 703	616 706	11 146	20 561	585 000	2	
		2004.. 668 398	67 644	600 754	10 929	19 273	570 552	2	
		2003.. 675 095	68 318	606 777	12 319	30 690	563 768	7	
		2002.. 775 678	73 124	702 554	15 432	31 580	655 542	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
331	Primary metal manufacturing—Con.								
3315	Foundries—Con.								
33152	Nonferrous metal foundries	2005.. 432 962	33 157	399 805	7 496	20 553	371 756	2	
		2004.. 378 322	33 363	344 960	5 887	15 298	323 774	2	
		2003.. 357 092	37 815	319 277	8 978	14 508	295 791	5	
		2002.. 385 645	48 071	337 574	8 218	15 575	313 781	X	
33152N	Aluminum foundries	2005.. 345 593	24 299	321 294	4 723	15 862	300 710	2	
		2004.. 300 087	25 664	274 423	3 699	11 353	259 371	2	
		2003.. 269 411	29 849	239 563	6 366	9 534	223 663	6	
		2002.. 285 538	36 362	249 176	5 814	10 197	233 165	X	
33152P	Foundries not aluminum	2005.. 87 369	8 858	78 511	2 773	4 692	71 047	5	
		2004.. 78 236	7 699	70 537	2 189	3 945	64 402	5	
		2003.. 87 681	7 966	79 715	2 612	4 974	72 128	5	
		2002.. 100 107	11 709	88 398	2 404	5 378	80 616	X	
332	Fabricated metal product manufacturing	2005.. 7 641 077	872 421	6 768 656	313 728	483 498	5 971 431	1	
		2004.. 7 209 354	981 557	6 227 797	247 536	428 186	5 552 075	1	
		2003.. 6 661 232	822 719	5 838 513	353 101	584 190	4 901 222	2	
		2002.. 7 912 210	1 128 182	6 784 028	359 577	642 565	5 781 886	X	
3321	Forging and stamping	2005.. 829 491	85 513	743 978	18 549	41 150	684 279	3	
		2004.. 781 174	78 603	702 572	16 840	41 362	644 369	4	
		2003.. 668 030	66 047	601 983	20 387	43 887	537 710	4	
		2002.. 765 002	91 525	673 477	20 563	44 785	608 129	X	
33211	Forging and stamping	2005.. 829 491	85 513	743 978	18 549	41 150	684 279	3	
		2004.. 781 174	78 603	702 572	16 840	41 362	644 369	4	
		2003.. 668 030	66 047	601 983	20 387	43 887	537 710	4	
		2002.. 765 002	91 525	673 477	20 563	44 785	608 129	X	
332114	Custom roll forming	2005.. 116 971	10 909	106 061	3 268	6 512	96 281	9	
		2004.. 97 086	6 178	90 908	2 144	5 189	83 574	16	
		2003.. 116 377	16 569	99 808	4 032	5 197	90 578	5	
		2002.. 105 353	16 921	88 432	3 873	4 684	79 875	X	
332117	Powder metallurgy parts manufacturing	2005.. 56 820	2 532	54 288	336	1 521	52 432	8	
		2004.. 50 973	1 805	49 168	1 159	1 838	46 171	5	
		2003.. 76 000	6 487	69 513	1 162	2 681	65 670	17	
		2002.. 62 080	2 943	59 137	804	1 852	56 481	X	
33211N	Forging	2005.. 256 518	14 683	241 835	2 866	9 716	229 253	3	
		2004.. 225 406	11 779	213 627	2 664	7 294	203 669	3	
		2003.. 216 974	22 690	194 285	4 564	14 195	175 527	3	
		2002.. 234 407	28 869	205 538	4 476	12 495	188 567	X	
33211P	Crown, closure, and metal stamping manufacturing	2005.. 399 182	57 389	341 794	12 080	23 401	306 313	5	
		2004.. 407 709	58 840	348 869	10 873	27 041	310 955	6	
		2003.. 258 679	20 301	238 378	10 628	21 814	205 935	7	
		2002.. 363 162	42 792	320 370	11 410	25 754	283 206	X	
3322	Cutlery and handtool manufacturing	2005.. 214 893	38 001	176 892	6 296	14 406	156 191	3	
		2004.. 319 765	34 872	284 894	4 516	14 383	265 994	4	
		2003.. 281 508	33 369	248 140	8 699	34 208	205 233	6	
		2002.. 310 743	47 541	263 202	7 196	24 055	231 951	X	
33221	Cutlery and hand tool manufacturing	2005.. 214 893	38 001	176 892	6 296	14 406	156 191	3	
		2004.. 319 765	34 872	284 894	4 516	14 383	265 994	4	
		2003.. 281 508	33 369	248 140	8 699	34 208	205 233	6	
		2002.. 310 743	47 541	263 202	7 196	24 055	231 951	X	
33221N	Cutlery, kitchen utensil, pot, and pan manufacturing	2005.. 53 841	16 464	37 377	188	2 980	34 209	1	
		2004.. 139 592	20 537	119 054	456	2 997	115 602	1	
		2003.. 99 860	27 789	72 071	692	2 956	68 424	10	
		2002.. 105 053	22 519	82 534	988	2 819	78 727	X	
33221P	Hand tool and saw blade manufacturing	2005.. 161 052	21 537	139 515	6 108	11 426	121 982	4	
		2004.. 180 174	14 335	165 839	4 060	11 386	150 393	8	
		2003.. 181 648	5 580	176 069	8 008	31 252	136 809	7	
		2002.. 205 690	25 022	180 668	6 208	21 236	153 224	X	
3323	Architectural and structural metals manufacturing	2005.. 1 592 099	205 157	1 386 942	145 682	165 023	1 076 238	4	
		2004.. 1 373 250	244 447	1 128 803	86 018	117 643	925 142	4	
		2003.. 1 154 724	118 750	1 035 974	108 967	135 379	791 628	3	
		2002.. 1 622 936	296 006	1 326 930	111 227	153 914	1 061 789	X	
33231	Plate work and fabricated structural product manufacturing	2005.. 603 674	94 939	508 734	51 967	49 263	407 504	4	
		2004.. 503 551	115 434	388 117	37 147	38 202	312 768	5	
		2003.. 495 960	56 942	439 018	53 093	54 485	331 441	5	
		2002.. 755 874	165 870	590 004	56 407	77 366	456 231	X	
33231M	Plate work and fabricated structural product manufacturing	2005.. 603 674	94 939	508 734	51 967	49 263	407 504	4	
		2004.. 503 551	115 434	388 117	37 147	38 202	312 768	5	
		2003.. 495 960	56 942	439 018	53 093	54 485	331 441	5	
		2002.. 755 874	165 870	590 004	56 407	77 366	456 231	X	
33232	Ornamental and architectural metal work manufacturing	2005.. 988 426	110 218	878 208	93 715	115 759	668 734	5	
		2004.. 869 699	129 013	740 686	48 872	79 441	612 374	5	
		2003.. 658 764	61 808	596 956	55 875	80 894	460 187	4	
		2002.. 867 062	130 136	736 926	54 820	76 548	605 558	X	
33232M	Ornamental and architectural metal work manufacturing	2005.. 988 426	110 218	878 208	93 715	115 759	668 734	5	
		2004.. 869 699	129 013	740 686	48 872	79 441	612 374	5	
		2003.. 658 764	61 808	596 956	55 875	80 894	460 187	4	
		2002.. 867 062	130 136	736 926	54 820	76 548	605 558	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
332	Fabricated metal product manufacturing—Con.								
3324	Boiler, tank, and shipping container manufacturing	2005.. 615 836	67 661	548 175	14 962	21 424	511 788	5	
		2004.. 555 529	72 371	483 158	14 529	32 821	435 808	3	
		2003.. 492 079	77 648	414 431	16 296	44 292	353 843	3	
		2002.. 528 331	64 229	464 102	19 837	34 485	409 780	X	
33241	Power boiler and heat exchanger manufacturing	2005.. 70 673	8 402	62 271	2 916	7 117	52 238	9	
		2004.. 133 582	27 582	106 000	5 278	18 699	82 023	7	
		2003.. 124 312	19 787	104 526	7 553	20 545	76 428	10	
		2002.. 115 519	20 849	94 670	5 274	17 045	72 351	X	
332410	Power boiler and heat exchanger manufacturing	2005.. 70 673	8 402	62 271	2 916	7 117	52 238	9	
		2004.. 133 582	27 582	106 000	5 278	18 699	82 023	7	
		2003.. 124 312	19 787	104 526	7 553	20 545	76 428	10	
		2002.. 115 519	20 849	94 670	5 274	17 045	72 351	X	
33242	Metal tank (heavy gauge) manufacturing	2005.. 104 527	17 364	87 163	9 427	5 494	72 242	14	
		2004.. 86 345	15 447	70 898	7 463	7 059	56 376	15	
		2003.. 58 415	4 833	53 582	3 954	6 849	42 779	7	
		2002.. 96 680	15 360	81 320	8 528	9 419	63 373	X	
332420	Metal tank (heavy gauge) manufacturing	2005.. 104 527	17 364	87 163	9 427	5 494	72 242	14	
		2004.. 86 345	15 447	70 898	7 463	7 059	56 376	15	
		2003.. 58 415	4 833	53 582	3 954	6 849	42 779	7	
		2002.. 96 680	15 360	81 320	8 528	9 419	63 373	X	
33243	Metal can, box, and other metal container (light gauge) manufacturing	2005.. 440 636	41 895	398 740	2 619	8 813	387 308	5	
		2004.. 335 602	29 342	306 261	1 788	7 063	297 409	3	
		2003.. 309 353	53 029	256 324	4 789	16 898	234 637	3	
		2002.. 316 132	28 020	288 112	6 035	8 021	274 056	X	
33243M	Metal can, box, and other metal container (light gauge) manufacturing	2005.. 440 636	41 895	398 740	2 619	8 813	387 308	5	
		2004.. 335 602	29 342	306 261	1 788	7 063	297 409	3	
		2003.. 309 353	53 029	256 324	4 789	16 898	234 637	3	
		2002.. 316 132	28 020	288 112	6 035	8 021	274 056	X	
3325	Hardware manufacturing	2005.. 209 604	32 326	177 278	3 903	14 092	159 282	5	
		2004.. 196 592	37 302	159 290	2 523	15 707	141 060	3	
		2003.. 202 780	32 176	170 604	4 286	16 106	150 213	8	
		2002.. 261 161	42 456	218 705	6 303	19 076	193 326	X	
33251	Hardware manufacturing	2005.. 209 604	32 326	177 278	3 903	14 092	159 282	5	
		2004.. 196 592	37 302	159 290	2 523	15 707	141 060	3	
		2003.. 202 780	32 176	170 604	4 286	16 106	150 213	8	
		2002.. 261 161	42 456	218 705	6 303	19 076	193 326	X	
332510	Hardware manufacturing	2005.. 209 604	32 326	177 278	3 903	14 092	159 282	5	
		2004.. 196 592	37 302	159 290	2 523	15 707	141 060	3	
		2003.. 202 780	32 176	170 604	4 286	16 106	150 213	8	
		2002.. 261 161	42 456	218 705	6 303	19 076	193 326	X	
3326	Spring and wire product manufacturing	2005.. 222 396	28 036	194 360	5 155	11 077	178 127	5	
		2004.. 208 503	32 227	176 276	9 076	10 662	156 539	6	
		2003.. 222 933	43 176	179 757	11 082	16 266	152 409	7	
		2002.. 256 182	26 901	229 281	14 863	17 520	196 898	X	
33261	Spring and wire product manufacturing	2005.. 222 396	28 036	194 360	5 155	11 077	178 127	5	
		2004.. 208 503	32 227	176 276	9 076	10 662	156 539	6	
		2003.. 222 933	43 176	179 757	11 082	16 266	152 409	7	
		2002.. 256 182	26 901	229 281	14 863	17 520	196 898	X	
33261M	Spring and wire product manufacturing	2005.. 222 396	28 036	194 360	5 155	11 077	178 127	5	
		2004.. 208 503	32 227	176 276	9 076	10 662	156 539	6	
		2003.. 222 933	43 176	179 757	11 082	16 266	152 409	7	
		2002.. 256 182	26 901	229 281	14 863	17 520	196 898	X	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2005.. 2 181 059	192 462	1 988 597	68 340	111 135	1 809 122	3	
		2004.. 2 037 992	239 636	1 798 355	68 677	93 994	1 635 684	4	
		2003.. 1 702 829	205 358	1 497 472	112 798	144 146	1 240 528	5	
		2002.. 2 004 974	275 040	1 729 934	90 948	177 742	1 461 244	X	
33271	Machine shops	2005.. 1 413 960	123 245	1 290 715	50 820	72 728	1 167 168	4	
		2004.. 1 310 903	144 549	1 166 354	49 220	61 353	1 055 781	5	
		2003.. 984 399	97 089	887 310	60 628	97 972	728 709	6	
		2002.. 1 206 168	158 630	1 047 538	64 443	109 834	873 261	X	
332710	Machine shops	2005.. 1 413 960	123 245	1 290 715	50 820	72 728	1 167 168	4	
		2004.. 1 310 903	144 549	1 166 354	49 220	61 353	1 055 781	5	
		2003.. 984 399	97 089	887 310	60 628	97 972	728 709	6	
		2002.. 1 206 168	158 630	1 047 538	64 443	109 834	873 261	X	
33272	Turned product and screw, nut, and bolt manufacturing	2005.. 767 098	69 217	697 881	17 520	38 407	641 954	5	
		2004.. 727 088	95 087	632 001	19 457	32 641	579 903	5	
		2003.. 718 430	108 268	610 162	52 170	46 173	511 819	9	
		2002.. 798 806	116 410	682 396	26 505	67 908	587 983	X	
332721	Precision turned product manufacturing	2005.. 550 860	36 385	514 475	12 626	26 800	475 049	6	
		2004.. 514 461	60 550	453 911	13 375	19 012	421 525	7	
		2003.. 412 303	57 454	354 849	26 801	25 198	302 850	8	
		2002.. 520 812	70 035	450 777	18 581	45 428	386 768	X	
332722	Bolt, nut, screw, rivet, and washer manufacturing	2005.. 216 238	32 832	183 406	4 895	11 607	166 905	3	
		2004.. 212 627	34 537	178 090	6 082	13 630	158 378	4	
		2003.. 306 127	50 815	255 313	25 369	20 976	208 968	18	
		2002.. 277 994	46 375	231 619	7 924	22 480	201 215	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
332	Fabricated metal product manufacturing—Con.								
3328	Coating, engraving, heat treating, and allied activities	2005.. 500 471	54 413	446 058	19 949	30 349	395 760	4	
		2004.. 489 047	57 436	431 611	21 556	29 472	380 583	3	
		2003.. 644 551	59 862	584 689	28 951	34 452	521 286	4	
		2002.. 688 349	74 741	613 608	33 574	44 317	535 717	X	
33281	Coating, engraving, heat treating, and allied activities	2005.. 500 471	54 413	446 058	19 949	30 349	395 760	4	
		2004.. 489 047	57 436	431 611	21 556	29 472	380 583	3	
		2003.. 644 551	59 862	584 689	28 951	34 452	521 286	4	
		2002.. 688 349	74 741	613 608	33 574	44 317	535 717	X	
33281M	Coating, engraving, heat treating, and allied activities	2005.. 500 471	54 413	446 058	19 949	30 349	395 760	4	
		2004.. 489 047	57 436	431 611	21 556	29 472	380 583	3	
		2003.. 644 551	59 862	584 689	28 951	34 452	521 286	4	
		2002.. 688 349	74 741	613 608	33 574	44 317	535 717	X	
3329	Other fabricated metal product manufacturing	2005.. 1 275 227	168 850	1 106 377	30 892	74 842	1 000 643	3	
		2004.. 1 247 502	184 664	1 062 838	23 800	72 141	966 896	3	
		2003.. 1 291 795	186 332	1 105 463	41 635	115 456	948 372	4	
		2002.. 1 474 532	209 743	1 264 789	55 066	126 671	1 083 052	X	
33291	Metal valve manufacturing	2005.. 495 606	72 028	423 578	9 323	36 614	377 642	4	
		2004.. 495 726	84 182	411 544	9 190	32 550	369 804	5	
		2003.. 488 285	57 908	430 377	11 392	52 171	366 814	3	
		2002.. 561 422	81 759	479 663	17 121	58 711	403 831	X	
332913	Plumbing fixture fitting and trim manufacturing	2005.. 54 894	8 949	45 944	526	6 039	39 380	8	
		2004.. 51 556	6 232	45 323	491	4 710	40 122	19	
		2003.. 60 028	10 995	49 033	937	8 848	39 249	5	
		2002.. 67 559	11 926	55 633	1 793	4 628	49 212	X	
33291N	Valve and fitting (except plumbing) manufacturing	2005.. 440 713	63 079	377 634	8 798	30 575	338 262	5	
		2004.. 444 170	77 950	366 220	8 698	27 840	329 682	5	
		2003.. 428 257	46 913	381 344	10 455	43 323	327 566	3	
		2002.. 493 863	69 833	424 030	15 328	54 083	354 619	X	
33299	All other fabricated metal product manufacturing	2005.. 779 621	96 822	682 799	21 569	38 228	623 001	3	
		2004.. 751 776	100 482	651 294	14 610	39 592	597 092	4	
		2003.. 803 510	128 424	675 086	30 243	63 285	581 558	6	
		2002.. 913 110	127 984	785 126	37 945	67 960	679 221	X	
332991	Ball and roller bearing manufacturing	2005.. 225 631	13 145	212 486	1 953	5 684	204 849	7	
		2004.. 208 470	17 909	190 560	818	4 171	185 571	9	
		2003.. 247 663	51 392	196 270	743	7 903	187 624	14	
		2002.. 211 506	11 143	200 363	1 426	7 337	191 600	X	
332992	Small arms ammunition manufacturing	2005.. 23 285	4 596	18 689	119	2 023	16 547	3	
		2004.. 23 435	1 594	21 841	407	1 603	19 830	2	
		2003.. 20 900	2 286	18 614	42	2 644	15 928	2	
		2002.. 16 827	1 181	15 646	253	1 057	14 336	X	
332993	Ammunition (except small arms) manufacturing	2005.. 29 294	6 780	22 514	148	1 147	21 219	12	
		2004.. 26 588	3 191	23 397	142	1 756	21 500	4	
		2003.. 15 540	2 719	12 821	418	535	11 869	14	
		2002.. 25 701	5 910	19 791	475	1 647	17 669	X	
332994	Small arms manufacturing	2005.. 39 883	3 358	36 525	1 107	1 589	33 829	5	
		2004.. 38 517	2 824	35 694	525	3 080	32 089	4	
		2003.. 26 003	4 910	21 093	498	1 754	18 841	5	
		2002.. 50 426	16 136	34 290	988	4 153	29 149	X	
332995	Other ordnance and accessories manufacturing	2005.. 14 868	4 903	9 965	365	901	8 700	7	
		2004.. 21 833	4 648	17 185	266	4 002	12 918	4	
		2003.. 25 819	1 889	23 930	670	9 825	13 435	4	
		2002.. 18 864	3 512	15 352	512	3 870	10 970	X	
332996	Fabricated pipe and pipe fitting manufacturing	2005.. 95 358	12 197	83 161	5 247	4 158	73 756	5	
		2004.. 65 163	11 598	53 564	3 489	3 190	46 886	6	
		2003.. 98 233	8 935	89 299	5 908	7 211	76 179	9	
		2002.. 101 981	11 180	90 801	5 093	5 919	79 789	X	
33299N	Other fabricated metal products manufacturing	2005.. 351 303	51 844	299 458	12 629	22 727	264 102	5	
		2004.. 367 771	58 718	309 053	8 964	21 790	278 299	5	
		2003.. 369 352	56 293	313 059	21 964	33 413	257 682	10	
		2002.. 487 805	78 922	408 883	29 198	43 977	335 708	X	
333	Machinery manufacturing	2005.. 6 789 774	822 186	5 967 588	153 279	635 723	5 178 586	1	
		2004.. 6 037 421	782 240	5 255 181	131 931	614 593	4 508 657	1	
		2003.. 5 537 022	806 902	4 730 120	183 030	576 998	3 970 092	3	
		2002.. 6 662 056	1 049 254	5 612 802	216 300	645 352	4 751 150	X	
3331	Agriculture, construction, and mining machinery manufacturing	2005.. 1 213 118	195 770	1 017 348	35 652	110 485	871 211	2	
		2004.. 958 933	148 962	809 971	30 070	80 070	699 831	2	
		2003.. 872 483	116 372	756 111	43 466	74 780	637 865	3	
		2002.. 1 116 841	171 890	944 951	38 019	98 975	807 957	X	
33311	Agricultural implement manufacturing	2005.. 458 202	79 320	378 882	14 237	31 858	332 787	3	
		2004.. 404 774	62 949	341 825	11 725	28 406	301 694	2	
		2003.. 470 009	73 138	396 871	26 462	36 150	334 260	4	
		2002.. 529 010	59 918	469 092	15 662	39 411	414 019	X	
333111	Farm machinery and equipment manufacturing	2005.. 306 145	67 962	238 183	11 257	22 270	204 656	4	
		2004.. 262 056	42 127	219 930	8 904	17 860	193 165	3	
		2003.. 323 291	62 608	260 683	26 093	28 399	206 192	6	
		2002.. 345 528	49 744	295 784	13 183	30 196	252 405	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—				
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures					
									A	B	C	D
333	Machinery manufacturing—Con.											
3331	Agriculture, construction, and mining machinery manufacturing—Con.											
33311	Agricultural implement manufacturing—Con.											
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	2005.. 152 057	11 358	140 699	2 980	9 588	128 131	2				
		2004.. 142 718	20 823	121 895	2 821	10 545	108 528	1				
		2003.. 146 718	10 530	136 188	369	7 751	128 068	2				
		2002.. 183 482	10 174	173 308	2 479	9 215	161 614	X				
33312	Construction machinery manufacturing	2005.. 504 704	75 054	429 650	7 230	58 434	363 987	2				
		2004.. 257 545	27 405	230 140	7 089	37 110	185 941	3				
		2003.. 209 709	19 613	190 095	11 083	23 752	155 260	5				
		2002.. 360 608	75 304	285 304	10 592	32 525	242 187	X				
333120	Construction machinery manufacturing	2005.. 504 704	75 054	429 650	7 230	58 434	363 987	2				
		2004.. 257 545	27 405	230 140	7 089	37 110	185 941	3				
		2003.. 209 709	19 613	190 095	11 083	23 752	155 260	5				
		2002.. 360 608	75 304	285 304	10 592	32 525	242 187	X				
33313	Mining and oil and gas field machinery manufacturing	2005.. 250 212	41 396	208 816	14 186	20 194	174 437	7				
		2004.. 296 614	58 608	238 006	11 255	14 554	212 196	4				
		2003.. 192 765	23 621	169 144	5 921	14 878	148 345	5				
		2002.. 227 223	36 668	190 555	11 765	27 039	151 751	X				
33313M	Mining and oil and gas field machinery manufacturing ...	2005.. 250 212	41 396	208 816	14 186	20 194	174 437	7				
		2004.. 296 614	58 608	238 006	11 255	14 554	212 196	4				
		2003.. 192 765	23 621	169 144	5 921	14 878	148 345	5				
		2002.. 227 223	36 668	190 555	11 765	27 039	151 751	X				
3332	Industrial machinery manufacturing	2005.. 766 574	76 652	689 922	17 438	90 597	581 887	3				
		2004.. 802 879	105 340	697 539	16 931	87 338	593 269	3				
		2003.. 715 988	142 851	573 137	22 085	94 178	456 873	3				
		2002.. 1 050 213	238 526	811 687	29 285	131 078	651 324	X				
33321	Sawmill and woodworking machinery manufacturing.....	2005.. 16 074	3 405	12 669	1 107	1 945	9 618	9				
		2004.. 27 541	1 572	25 969	2 353	3 808	19 809	17				
		2003.. 20 771	517	20 254	809	2 577	16 868	31				
		2002.. 23 604	2 355	21 249	3 365	5 315	12 569	X				
333210	Sawmill and woodworking machinery manufacturing.....	2005.. 16 074	3 405	12 669	1 107	1 945	9 618	9				
		2004.. 27 541	1 572	25 969	2 353	3 808	19 809	17				
		2003.. 20 771	517	20 254	809	2 577	16 868	31				
		2002.. 23 604	2 355	21 249	3 365	5 315	12 569	X				
33322	Plastics and rubber industry machinery manufacturing	2005.. 52 962	4 336	48 627	1 666	6 737	40 225	5				
		2004.. 60 741	5 188	55 554	1 506	7 774	46 274	11				
		2003.. 36 115	1 699	34 416	993	5 753	27 670	18				
		2002.. 61 490	7 896	53 594	1 838	7 649	44 107	X				
333220	Plastics and rubber industry machinery manufacturing ...	2005.. 52 962	4 336	48 627	1 666	6 737	40 225	5				
		2004.. 60 741	5 188	55 554	1 506	7 774	46 274	11				
		2003.. 36 115	1 699	34 416	993	5 753	27 670	18				
		2002.. 61 490	7 896	53 594	1 838	7 649	44 107	X				
33329	Other industrial machinery manufacturing	2005.. 697 537	68 912	628 626	14 666	81 916	532 044	3				
		2004.. 714 596	98 581	616 016	13 072	75 757	527 187	4				
		2003.. 659 102	140 635	518 467	20 283	85 848	412 335	3				
		2002.. 965 119	228 275	736 844	24 082	118 114	594 648	X				
333295	Semiconductor machinery manufacturing	2005.. 356 446	20 403	336 043	1 478	23 703	310 862	5				
		2004.. 385 580	34 734	350 846	918	25 057	324 871	4				
		2003.. 365 206	100 033	265 173	5 546	39 255	220 373	2				
		2002.. 535 994	155 802	380 192	4 541	57 569	318 082	X				
33329N	Other machinery manufacturing	2005.. 341 092	48 509	292 582	13 188	58 213	221 182	3				
		2004.. 329 016	63 846	265 170	12 154	50 700	202 315	7				
		2003.. 293 896	40 602	253 293	14 738	46 593	191 963	7				
		2002.. 429 125	72 473	356 652	19 541	60 545	276 566	X				
3333	Commercial and service industry machinery manufacturing	2005.. 504 381	77 852	426 529	12 090	138 135	276 305	2				
		2004.. 545 269	75 907	469 363	10 226	168 501	290 636	2				
		2003.. 490 641	80 389	410 252	33 350	92 189	284 713	14				
		2002.. 593 172	114 430	478 742	19 747	78 144	380 851	X				
33331	Commercial and service industry machinery manufacturing	2005.. 504 381	77 852	426 529	12 090	138 135	276 305	2				
		2004.. 545 269	75 907	469 363	10 226	168 501	290 636	2				
		2003.. 490 641	80 389	410 252	33 350	92 189	284 713	14				
		2002.. 593 172	114 430	478 742	19 747	78 144	380 851	X				
333313	Office machinery manufacturing	2005.. 143 259	22 517	120 742	2 426	94 348	23 968	1				
		2004.. 181 876	19 835	162 041	D	D	D	2				
		2003.. 68 872	D	D	D	40 286	18 810	10				
		2002.. 59 676	11 621	48 055	1 413	19 809	26 833	X				
333314	Optical instrument and lens manufacturing	2005.. 120 988	18 918	102 070	1 178	10 193	90 699	3				
		2004.. 110 433	24 308	86 125	601	10 308	75 215	3				
		2003.. 97 047	7 973	89 074	2 204	10 629	76 241	13				
		2002.. 123 614	35 260	88 354	3 469	10 021	74 864	X				
333315	Photographic and photocopying equipment manufacturing	2005.. 26 836	3 925	22 911	863	4 579	17 469	6				
		2004.. 31 587	7 420	24 168	D	D	D	9				
		2003.. 14 034	D	D	D	2 253	8 251	25				
		2002.. 86 976	14 283	72 693	851	4 522	67 320	X				

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
333	Machinery manufacturing—Con.								
3333	Commercial and service industry machinery manufacturing—Con.								
33331	Commercial and service industry machinery manufacturing—Con.								
33331N	All other commercial and service industry machinery manufacturing	2005.. 213 297	32 491	180 806	7 623	29 015	144 168	4	
		2004.. 221 373	24 344	197 029	D	D	156 560	3	
		2003.. 310 688	64 967	245 721	25 290	39 021	181 411	21	
		2002.. 322 906	53 266	269 640	14 014	43 792	211 834	X	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2005.. 764 694	84 113	680 580	6 757	37 501	636 322	2	
		2004.. 855 531	127 854	727 677	10 581	40 797	676 299	5	
		2003.. 511 772	64 044	447 728	10 001	40 830	396 897	8	
		2002.. 596 975	88 690	508 285	14 620	38 179	455 486	X	
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2005.. 764 694	84 113	680 580	6 757	37 501	636 322	2	
		2004.. 855 531	127 854	727 677	10 581	40 797	676 299	5	
		2003.. 511 772	64 044	447 728	10 001	40 830	396 897	8	
		2002.. 596 975	88 690	508 285	14 620	38 179	455 486	X	
333414	Heating equipment (except warm air furnaces) manufacturing	2005.. 63 904	7 685	56 219	845	5 404	49 970	8	
		2004.. 82 785	26 440	56 345	1 999	5 401	48 945	15	
		2003.. 74 667	13 777	60 890	1 938	7 907	51 045	11	
		2002.. 90 699	19 150	71 549	2 666	6 390	62 493	X	
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	2005.. 643 664	71 031	572 634	4 297	26 895	541 442	2	
		2004.. 696 504	85 477	611 027	7 040	28 699	575 288	6	
		2003.. 376 505	41 813	334 692	4 507	25 326	304 858	11	
		2002.. 410 924	53 378	357 546	7 528	20 694	329 324	X	
33341N	Ventilation equipment manufacturing	2005.. 57 125	5 398	51 727	1 615	5 202	44 910	9	
		2004.. 76 243	15 938	60 305	1 542	6 697	52 066	12	
		2003.. 60 600	8 454	52 146	3 556	7 597	40 994	5	
		2002.. 95 352	16 162	79 190	4 426	11 095	63 669	X	
3335	Metalworking machinery manufacturing	2005.. 984 780	104 495	880 285	29 864	75 781	774 641	5	
		2004.. 851 422	71 722	779 701	31 578	71 017	677 105	5	
		2003.. 773 313	102 838	670 475	29 079	85 742	555 655	13	
		2002.. 903 103	100 255	802 848	49 631	95 579	657 638	X	
33351	Metalworking machinery manufacturing	2005.. 984 780	104 495	880 285	29 864	75 781	774 641	5	
		2004.. 851 422	71 722	779 701	31 578	71 017	677 105	5	
		2003.. 773 313	102 838	670 475	29 079	85 742	555 655	13	
		2002.. 903 103	100 255	802 848	49 631	95 579	657 638	X	
333511	Industrial mold manufacturing	2005.. 301 839	46 244	255 594	7 157	15 059	233 379	10	
		2004.. 242 058	28 867	213 190	8 135	14 054	191 002	9	
		2003.. 175 985	27 779	148 205	8 462	20 787	118 956	15	
		2002.. 266 498	25 152	241 346	11 764	27 686	201 896	X	
333512	Machine tool (metal cutting types) manufacturing	2005.. 69 700	4 008	65 693	4 557	8 909	52 226	4	
		2004.. 42 295	1 742	40 552	1 941	5 548	33 064	9	
		2003.. 45 804	6 897	38 907	1 193	6 980	30 734	14	
		2002.. 60 969	8 992	51 977	3 081	8 019	40 877	X	
333513	Machine tool (metal forming types) manufacturing	2005.. 35 371	5 293	30 077	1 296	2 326	26 456	10	
		2004.. 23 268	778	22 490	1 071	2 612	18 806	9	
		2003.. 14 071	777	13 295	618	3 230	9 446	7	
		2002.. 29 268	4 380	24 888	2 397	3 227	19 264	X	
333514	Special die and tool, die set, jig, and fixture manufacturing	2005.. 335 720	36 905	298 815	8 113	21 382	269 320	12	
		2004.. 285 292	30 380	254 911	10 323	21 857	222 731	9	
		2003.. 261 438	23 174	238 265	11 732	27 363	199 170	17	
		2002.. 272 295	33 052	239 243	23 131	33 002	183 110	X	
333515	Cutting tool and machine tool accessory manufacturing	2005.. 183 128	8 214	174 914	5 889	20 031	148 994	10	
		2004.. 184 115	6 588	177 527	5 295	10 725	161 508	17	
		2003.. 228 122	34 570	193 552	4 538	17 982	171 033	39	
		2002.. 196 709	19 011	177 698	5 879	13 222	158 597	X	
333516	Rolling mill machinery and equipment manufacturing	2005.. 14 765	728	14 037	243	1 896	11 898	13	
		2004.. 14 795	244	14 550	2 567	1 808	10 175	27	
		2003.. 11 520	431	11 089	479	1 221	9 388	36	
		2002.. 17 473	1 580	15 893	395	882	14 616	X	
333518	Other metalworking machinery manufacturing	2005.. 44 259	3 104	41 155	2 609	6 178	32 368	10	
		2004.. 59 601	3 122	56 479	2 247	14 414	39 818	9	
		2003.. 36 372	9 210	27 162	2 056	8 178	16 928	11	
		2002.. 59 891	8 088	51 803	2 984	9 541	39 278	X	
3336	Engine, turbine, and power transmission equipment manufacturing	2005.. 1 135 675	77 429	1 058 246	7 888	41 804	1 008 554	1	
		2004.. 770 591	51 378	719 212	3 021	28 450	687 742	2	
		2003.. 963 638	50 095	913 543	3 871	38 548	871 124	2	
		2002.. 1 076 009	87 784	988 225	6 364	41 236	940 625	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
333	Machinery manufacturing—Con.								
3336	Engine, turbine, and power transmission equipment manufacturing—Con.								
33361	Engine, turbine, and power transmission equipment manufacturing	2005.. 1 135 675	77 429	1 058 246	7 888	41 804	1 008 554	1	
		2004.. 770 591	51 378	719 212	3 021	28 450	687 742	2	
		2003.. 963 638	50 095	913 543	3 871	38 548	871 124	2	
		2002.. 1 076 009	87 784	988 225	6 364	41 236	940 625	X	
333611	Turbine and turbine generator set unit manufacturing	2005.. 179 916	6 329	173 587	2 418	7 330	163 839	8	
		2004.. 128 064	3 347	124 718	487	5 270	118 961	3	
		2003.. 209 727	4 611	205 116	1 568	7 103	196 445	3	
		2002.. 202 739	17 161	185 578	1 816	4 695	179 067	X	
333612	Speed changer, industrial high-speed drive, and gear manufacturing	2005.. 63 857	4 400	59 457	1 196	3 556	54 706	5	
		2004.. 52 292	1 749	50 544	667	1 931	47 946	6	
		2003.. 41 552	3 014	38 538	960	2 122	35 456	9	
		2002.. 59 519	6 661	52 858	808	2 975	49 075	X	
333613	Mechanical power transmission equipment manufacturing	2005.. 75 356	8 551	66 805	1 212	5 866	59 727	2	
		2004.. 63 022	2 342	60 681	612	2 930	57 138	4	
		2003.. 87 320	3 185	84 135	209	4 428	79 498	16	
		2002.. 85 669	6 195	79 474	877	5 452	73 145	X	
333618	Other engine equipment manufacturing	2005.. 816 547	58 149	758 397	3 063	25 052	730 283	1	
		2004.. 527 212	43 941	483 270	1 255	18 319	463 696	2	
		2003.. 625 040	39 285	585 755	1 135	24 895	559 725	3	
		2002.. 728 082	57 767	670 315	2 863	28 114	639 338	X	
3339	Other general purpose machinery manufacturing	2005.. 1 420 551	205 874	1 214 677	43 589	141 421	1 029 668	2	
		2004.. 1 252 795	201 076	1 051 719	29 524	138 420	883 775	2	
		2003.. 1 209 187	250 312	958 874	41 178	150 731	766 965	3	
		2002.. 1 325 743	247 679	1 078 064	58 634	162 161	857 269	X	
33391	Pump and compressor manufacturing	2005.. 314 069	47 467	266 602	5 576	32 313	228 713	3	
		2004.. 258 988	36 037	222 950	3 910	33 115	185 926	4	
		2003.. 269 481	64 254	205 227	7 649	29 744	167 834	11	
		2002.. 246 604	41 812	204 792	11 377	31 429	161 986	X	
333911	Pump and pumping equipment manufacturing	2005.. 138 649	18 799	119 850	2 511	10 547	106 791	4	
		2004.. 157 188	25 612	131 576	2 230	13 360	115 987	4	
		2003.. 153 676	26 901	126 776	4 681	15 306	106 789	11	
		2002.. 146 627	23 276	123 351	7 205	18 341	97 805	X	
333912	Air and gas compressor manufacturing	2005.. 158 369	27 217	131 152	3 035	19 019	109 099	5	
		2004.. 91 275	10 020	81 255	1 428	17 794	62 032	8	
		2003.. 105 771	37 288	68 483	2 195	13 021	53 267	22	
		2002.. 85 926	13 968	71 958	3 268	10 601	58 089	X	
333913	Measuring and dispensing pump manufacturing	2005.. 17 051	1 451	15 600	30	2 747	12 823	4	
		2004.. 10 524	405	10 120	252	1 961	7 907	1	
		2003.. 10 033	65	9 968	772	1 417	7 779	2	
		2002.. 14 051	4 568	9 483	904	2 487	6 092	X	
33392	Material handling equipment manufacturing	2005.. 271 404	41 407	229 996	10 517	26 284	193 195	3	
		2004.. 326 888	50 416	276 472	9 887	34 069	232 516	4	
		2003.. 295 529	36 680	258 849	16 522	45 233	197 094	4	
		2002.. 358 033	87 449	270 584	20 294	62 458	187 832	X	
33392M	Material handling equipment manufacturing	2005.. 271 404	41 407	229 996	10 517	26 284	193 195	3	
		2004.. 326 888	50 416	276 472	9 887	34 069	232 516	4	
		2003.. 295 529	36 680	258 849	16 522	45 233	197 094	4	
		2002.. 358 033	87 449	270 584	20 294	62 458	187 832	X	
33399	All other general purpose machinery manufacturing	2005.. 835 079	116 999	718 079	27 496	82 823	607 760	2	
		2004.. 666 919	114 622	552 297	15 727	71 237	465 333	3	
		2003.. 644 177	149 378	494 798	17 008	75 754	402 037	3	
		2002.. 721 106	118 418	602 688	26 963	68 274	507 451	X	
333991	Power-driven hand tool manufacturing	2005.. 44 985	2 823	42 162	865	3 326	37 971	4	
		2004.. 38 804	2 838	35 966	458	2 395	33 112	6	
		2003.. 72 025	D	D	1 136	2 592	D	6	
		2002.. 49 494	3 243	46 251	609	2 417	43 225	X	
333993	Packaging machinery manufacturing	2005.. 77 760	23 429	54 331	2 537	8 157	43 637	5	
		2004.. 45 754	5 647	40 108	1 904	8 983	29 221	5	
		2003.. 54 806	D	D	2 261	15 158	D	8	
		2002.. 81 767	14 693	67 074	4 981	14 146	47 947	X	
333994	Industrial process furnace and oven manufacturing	2005.. 24 094	3 438	20 656	1 725	3 961	14 969	10	
		2004.. 31 584	7 696	23 888	853	4 564	18 471	27	
		2003.. 25 471	5 263	20 208	2 087	4 927	13 194	10	
		2002.. 32 733	4 926	27 807	2 007	3 757	22 043	X	
33399N	Fluid power equipment manufacturing	2005.. 228 994	19 086	209 907	9 347	12 624	187 936	3	
		2004.. 187 458	4 296	183 162	2 319	10 143	170 700	3	
		2003.. 131 110	6 097	125 014	3 097	8 698	113 219	4	
		2002.. 202 327	35 440	166 887	2 678	14 771	149 438	X	
33399P	All other miscellaneous general purpose machinery manufacturing	2005.. 459 245	68 223	391 022	13 022	54 754	323 246	3	
		2004.. 363 320	94 146	269 174	10 193	45 151	213 830	5	
		2003.. 360 766	109 399	251 367	8 427	44 380	198 560	4	
		2002.. 354 785	60 116	294 669	16 688	33 183	244 798	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures	
334	Computer and electronic product manufacturing	2005.. 15 794 583	2 824 188	12 970 395	132 408	1 185 377	11 652 610	2
		2004.. 11 992 519	1 996 108	9 996 411	82 753	1 038 084	8 875 574	1
		2003.. 12 596 087	2 013 720	10 582 367	116 895	1 437 799	9 027 673	2
		2002.. 13 641 626	2 545 897	11 095 729	228 973	1 325 314	9 541 442	X
3341	Computer and peripheral equipment manufacturing	2005.. 1 256 416	242 748	1 013 668	20 866	133 144	859 658	1
		2004.. 1 248 396	113 139	1 135 257	12 310	135 719	987 227	1
		2003.. 1 994 057	519 275	1 474 782	26 962	144 001	1 303 820	1
		2002.. 2 419 269	627 818	1 791 451	63 644	260 461	1 467 346	X
33411	Computer and peripheral equipment manufacturing	2005.. 1 256 416	242 748	1 013 668	20 866	133 144	859 658	1
		2004.. 1 248 396	113 139	1 135 257	12 310	135 719	987 227	1
		2003.. 1 994 057	519 275	1 474 782	26 962	144 001	1 303 820	1
		2002.. 2 419 269	627 818	1 791 451	63 644	260 461	1 467 346	X
334111	Electronic computer manufacturing	2005.. 365 205	36 234	328 971	8 564	54 431	265 976	1
		2004.. 510 451	32 065	478 386	5 035	63 429	409 922	1
		2003.. 1 168 520	447 760	720 760	18 285	63 416	639 059	1
		2002.. 1 320 734	455 549	865 185	44 257	107 298	713 630	X
334112	Computer storage device manufacturing	2005.. 280 332	50 290	230 042	1 717	16 692	211 633	1
		2004.. 272 680	13 940	258 741	983	18 446	239 311	1
		2003.. 450 260	23 420	426 840	5 818	22 434	398 588	5
		2002.. 485 743	37 654	448 089	5 177	61 157	381 755	X
334113	Computer terminal manufacturing	2005.. 5 154	580	4 574	66	1 046	3 462	5
		2004.. 5 211	230	4 981	211	1 632	3 138	1
		2003.. 13 559	1 248	12 311	235	2 376	9 701	4
		2002.. 14 990	1 029	13 961	426	6 121	7 414	X
334119	Other computer peripheral equipment manufacturing	2005.. 605 725	155 643	450 081	10 519	60 975	378 588	2
		2004.. 460 053	66 904	393 149	6 081	52 212	334 856	2
		2003.. 361 719	46 848	314 871	2 624	55 775	256 473	4
		2002.. 597 802	133 586	464 216	13 784	85 885	364 547	X
3342	Communications equipment manufacturing	2005.. 1 049 051	242 249	806 801	12 935	120 409	673 457	2
		2004.. 1 129 003	223 569	905 434	9 913	209 912	685 609	3
		2003.. 1 494 470	292 753	1 201 716	16 168	318 260	867 288	12
		2002.. 1 659 993	404 398	1 255 595	35 234	218 526	1 001 835	X
33421	Telephone apparatus manufacturing	2005.. 191 580	29 515	162 065	3 009	45 101	113 954	5
		2004.. 254 943	31 692	223 251	1 610	62 381	159 261	3
		2003.. 592 382	125 185	467 197	6 428	153 487	307 282	1
		2002.. 672 692	137 112	535 580	17 376	96 694	421 510	X
334210	Telephone apparatus manufacturing	2005.. 191 580	29 515	162 065	3 009	45 101	113 954	5
		2004.. 254 943	31 692	223 251	1 610	62 381	159 261	3
		2003.. 592 382	125 185	467 197	6 428	153 487	307 282	1
		2002.. 672 692	137 112	535 580	17 376	96 694	421 510	X
33422	Radio and television broadcasting and wireless communications equipment manufacturing	2005.. 796 781	200 460	596 321	7 712	66 796	521 813	3
		2004.. 804 924	188 264	616 660	6 759	116 286	493 616	3
		2003.. 829 979	163 241	666 738	7 757	149 866	509 114	22
		2002.. 886 585	255 764	630 821	11 186	105 624	514 011	X
334220	Radio and television broadcasting and wireless communications equipment manufacturing	2005.. 796 781	200 460	596 321	7 712	66 796	521 813	3
		2004.. 804 924	188 264	616 660	6 759	116 286	493 616	3
		2003.. 829 979	163 241	666 738	7 757	149 866	509 114	22
		2002.. 886 585	255 764	630 821	11 186	105 624	514 011	X
33429	Other communications equipment manufacturing	2005.. 60 690	12 274	48 416	2 213	8 512	37 691	8
		2004.. 69 137	3 614	65 523	1 545	31 246	32 733	3
		2003.. 72 109	4 327	67 781	1 983	14 907	50 892	12
		2002.. 100 716	11 522	89 194	6 672	16 208	66 314	X
334290	Other communications equipment manufacturing	2005.. 60 690	12 274	48 416	2 213	8 512	37 691	8
		2004.. 69 137	3 614	65 523	1 545	31 246	32 733	3
		2003.. 72 109	4 327	67 781	1 983	14 907	50 892	12
		2002.. 100 716	11 522	89 194	6 672	16 208	66 314	X
3343	Audio and video equipment manufacturing	2005.. 114 345	7 002	107 343	1 894	5 013	100 436	4
		2004.. 173 306	39 772	133 534	2 387	7 091	124 056	3
		2003.. 130 973	7 223	123 750	3 303	15 658	104 790	6
		2002.. 138 971	25 960	113 011	3 127	14 543	95 341	X
33431	Audio and video equipment manufacturing	2005.. 114 345	7 002	107 343	1 894	5 013	100 436	4
		2004.. 173 306	39 772	133 534	2 387	7 091	124 056	3
		2003.. 130 973	7 223	123 750	3 303	15 658	104 790	6
		2002.. 138 971	25 960	113 011	3 127	14 543	95 341	X
334310	Audio and video equipment manufacturing	2005.. 114 345	7 002	107 343	1 894	5 013	100 436	4
		2004.. 173 306	39 772	133 534	2 387	7 091	124 056	3
		2003.. 130 973	7 223	123 750	3 303	15 658	104 790	6
		2002.. 138 971	25 960	113 011	3 127	14 543	95 341	X
3344	Semiconductor and other electronic component manufacturing	2005.. 9 004 172	1 480 516	7 523 655	62 021	369 814	7 091 820	2
		2004.. 6 297 007	830 737	5 466 271	19 749	342 356	5 104 166	2
		2003.. 5 495 798	451 289	5 044 509	38 681	489 611	4 516 217	3
		2002.. 6 362 648	924 953	5 437 695	67 449	489 968	4 880 278	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
334	Computer and electronic product manufacturing—Con.								
3344	Semiconductor and other electronic component manufacturing—Con.								
33441	Semiconductor and other electronic component manufacturing	2005.. 9 004 172	1 480 516	7 523 655	62 021	369 814	7 091 820	2	
		2004.. 6 297 007	830 737	5 466 271	19 749	342 356	5 104 166	2	
		2003.. 5 495 798	451 289	5 044 509	38 681	489 611	4 516 217	3	
		2002.. 6 362 648	924 953	5 437 695	67 449	489 968	4 880 278	X	
334411	Electron tube manufacturing	2005.. 16 952	5 225	11 728	80	518	11 130	22	
		2004.. 21 231	5 718	15 514	90	972	14 452	21	
		2003.. 41 360	8 566	32 794	90	1 268	31 436	5	
		2002.. 40 943	6 272	34 671	301	1 657	32 713	X	
334412	Bare printed circuit board manufacturing	2005.. 131 732	9 951	121 780	2 341	10 124	109 316	5	
		2004.. 180 568	17 673	162 895	3 258	12 050	147 587	4	
		2003.. 124 311	16 373	107 938	1 467	10 222	96 249	5	
		2002.. 223 480	23 826	199 654	10 028	19 452	170 174	X	
334413	Semiconductor and related device manufacturing	2005.. 8 069 133	1 387 706	6 681 427	49 449	199 124	6 432 853	2	
		2004.. 5 321 331	749 783	4 571 547	5 303	165 523	4 400 722	2	
		2003.. 4 288 903	277 559	4 011 345	15 237	286 943	3 709 165	3	
		2002.. 4 761 294	692 093	4 069 201	26 256	224 296	3 818 649	X	
334414	Electronic capacitor manufacturing	2005.. 36 588	4 260	32 328	2 662	29 210	29 210	7	
		2004.. 37 235	5 405	31 831	337	4 246	27 248	4	
		2003.. 53 808	2 992	50 816	843	4 042	45 931	16	
		2002.. 125 137	18 132	107 005	4 637	9 593	92 775	X	
334415	Electronic resistor manufacturing	2005.. 21 774	2 475	19 299	499	1 619	17 182	7	
		2004.. 27 104	1 419	25 685	557	2 827	22 301	6	
		2003.. 43 220	16 327	26 892	166	1 902	24 255	30	
		2002.. 29 305	7 669	21 636	1 049	2 782	17 805	X	
334416	Electronic coil, transformer, and other inductor manufacturing	2005.. 9 901	959	8 942	630	1 253	7 059	10	
		2004.. 14 357	415	13 942	593	1 771	11 578	8	
		2003.. 8 792	765	8 027	463	1 186	6 377	11	
		2002.. 26 489	1 770	24 719	704	1 573	22 442	X	
334417	Electronic connector manufacturing	2005.. 105 989	4 264	101 725	1 379	8 783	91 564	5	
		2004.. 106 603	5 241	101 361	575	6 886	93 900	5	
		2003.. 134 823	3 277	131 546	5 665	8 613	117 268	9	
		2002.. 143 333	7 111	136 222	2 136	8 796	125 290	X	
334418	Printed circuit assembly (electronic assembly) manufacturing	2005.. 357 545	33 975	323 570	3 389	111 295	208 886	3	
		2004.. 356 755	25 068	331 687	3 841	102 756	225 090	7	
		2003.. 411 213	71 875	339 338	3 115	116 943	219 281	5	
		2002.. 601 956	73 565	528 391	10 996	176 765	340 630	X	
334419	Other electronic component manufacturing	2005.. 254 559	31 703	222 856	3 799	34 435	184 622	7	
		2004.. 231 822	20 015	211 808	5 195	45 325	161 288	6	
		2003.. 389 368	53 556	335 812	11 634	58 494	265 685	11	
		2002.. 410 711	94 515	316 196	11 342	45 054	259 800	X	
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2005.. 3 993 260	795 817	3 197 442	32 040	534 898	2 630 504	6	
		2004.. 2 721 881	740 091	1 981 789	35 450	313 016	1 633 324	2	
		2003.. 3 084 948	721 550	2 363 399	27 457	444 007	1 891 935	5	
		2002.. 2 650 042	527 785	2 122 257	54 484	321 580	1 746 193	X	
33451	Navigational, measuring, medical, and control instruments manufacturing	2005.. 3 993 260	795 817	3 197 442	32 040	534 898	2 630 504	6	
		2004.. 2 721 881	740 091	1 981 789	35 450	313 016	1 633 324	2	
		2003.. 3 084 948	721 550	2 363 399	27 457	444 007	1 891 935	5	
		2002.. 2 650 042	527 785	2 122 257	54 484	321 580	1 746 193	X	
334510	Electromedical and electrotherapeutic apparatus manufacturing	2005.. 867 780	332 046	535 734	6 040	94 392	435 303	4	
		2004.. 454 084	147 278	306 806	2 423	48 480	255 903	4	
		2003.. 452 013	168 388	283 624	3 187	40 473	239 964	2	
		2002.. 464 908	79 435	385 473	7 267	78 814	299 392	X	
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2005.. 955 816	174 999	780 817	4 636	122 984	653 196	4	
		2004.. 1 061 876	355 828	706 048	10 968	93 067	602 013	2	
		2003.. 1 389 663	393 345	996 317	4 366	247 221	744 731	2	
		2002.. 932 387	171 363	761 024	18 223	98 653	644 148	X	
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	2005.. 66 896	8 580	58 316	874	4 603	52 839	4	
		2004.. 56 580	5 892	50 688	577	2 681	47 429	14	
		2003.. 49 642	3 414	46 228	237	3 425	42 565	5	
		2002.. 71 682	5 108	66 574	2 128	7 026	57 420	X	
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	2005.. S	51 943	S	6 341	53 390	S	37	
		2004.. 139 043	33 732	105 311	3 273	20 355	81 683	6	
		2003.. 110 286	11 933	98 353	3 110	21 104	74 138	8	
		2002.. 176 509	33 384	143 125	6 125	30 848	106 152	X	
334514	Totalizing fluid meter and counting device manufacturing	2005.. 124 984	20 137	104 847	2 310	9 520	93 017	4	
		2004.. 80 741	6 458	74 282	930	6 198	67 154	4	
		2003.. 70 339	7 964	62 376	429	7 506	54 441	7	
		2002.. 90 420	7 228	83 192	2 526	6 437	74 229	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
334	Computer and electronic product manufacturing—Con.								
3345	Navigational, measuring, electromedical, and control instruments manufacturing—Con.								
33451	Navigational, measuring, medical, and control instruments manufacturing—Con.								
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2005.. 630 427	50 145	580 282	3 273	61 159	515 851	3	
		2004.. 405 297	35 908	369 389	8 527	75 865	284 997	6	
		2003.. 502 953	39 441	463 512	7 770	52 361	403 380	3	
		2002.. 458 636	137 741	320 895	6 324	29 802	284 769	X	
334516	Analytical laboratory instrument manufacturing	2005.. 248 788	82 588	166 201	2 866	28 600	134 735	2	
		2004.. 311 694	112 567	199 127	5 281	38 773	155 073	2	
		2003.. 341 750	64 966	276 784	4 516	42 256	230 012	44	
		2002.. 237 371	54 338	183 033	4 488	29 326	149 219	X	
334517	Irradiation apparatus manufacturing	2005.. 222 134	17 160	204 974	871	122 082	82 021	7	
		2004.. 86 364	19 671	66 693	281	9 549	56 863	11	
		2003.. 58 935	15 694	43 240	214	12 663	30 363	3	
		2002.. 84 970	15 181	69 789	1 543	16 032	52 214	X	
334518	Watch, clock, and parts manufacturing	2005.. 8 538	2 160	6 378	45	708	5 625	18	
		2004.. 4 962	840	4 122	98	1 088	2 936	12	
		2003.. 4 364	666	3 698	357	573	2 768	16	
		2002.. 9 303	1 181	8 122	600	1 537	5 985	X	
334519	Other measuring and controlling device manufacturing	2005.. 201 928	56 060	145 867	4 785	37 458	103 624	5	
		2004.. 121 241	21 918	99 323	3 091	16 961	79 271	9	
		2003.. 105 005	15 738	89 267	3 270	16 425	69 572	10	
		2002.. 123 856	22 826	101 030	5 260	23 105	72 665	X	
3346	Manufacturing and reproducing magnetic and optical media	2005.. 377 340	55 855	321 485	2 653	22 099	296 733	2	
		2004.. 422 926	48 800	374 126	2 944	29 990	341 192	2	
		2003.. 395 840	21 629	374 211	4 325	26 262	343 624	9	
		2002.. 410 703	34 983	375 720	5 035	20 236	350 449	X	
33461	Manufacturing and reproducing magnetic and optical media	2005.. 377 340	55 855	321 485	2 653	22 099	296 733	2	
		2004.. 422 926	48 800	374 126	2 944	29 990	341 192	2	
		2003.. 395 840	21 629	374 211	4 325	26 262	343 624	9	
		2002.. 410 703	34 983	375 720	5 035	20 236	350 449	X	
334611	Software reproducing	2005.. 26 582	5 765	20 817	203	3 310	17 303	5	
		2004.. 25 722	2 906	22 816	261	3 374	19 181	4	
		2003.. 15 485	1 168	14 317	497	4 598	9 222	25	
		2002.. 19 060	3 078	15 982	1 071	3 041	11 870	X	
334612	Prerecorded compact disc (except software), tape, and record reproducing	2005.. 180 216	9 771	170 445	1 994	13 700	154 751	1	
		2004.. 193 245	15 296	177 949	1 834	15 124	160 991	2	
		2003.. 277 518	5 871	271 647	3 680	17 467	250 500	13	
		2002.. 254 428	14 395	240 033	3 324	13 319	223 390	X	
334613	Magnetic and optical recording media manufacturing	2005.. 170 543	40 319	130 224	456	5 089	124 679	4	
		2004.. 203 959	30 597	173 361	849	11 492	161 021	3	
		2003.. 102 836	14 589	88 247	149	4 197	83 901	2	
		2002.. 137 215	17 510	119 705	640	3 876	115 189	X	
335	Electrical equipment, appliance, and component manufacturing	2005.. 1 924 414	210 394	1 714 020	25 204	140 895	1 547 921	2	
		2004.. 2 213 225	211 408	2 001 818	29 699	175 835	1 796 284	1	
		2003.. 2 212 169	226 469	1 985 700	32 602	176 441	1 776 657	4	
		2002.. 2 686 679	414 557	2 272 122	47 467	210 257	2 014 398	X	
3351	Electric lighting equipment manufacturing	2005.. 225 432	35 068	190 363	2 286	15 759	172 318	3	
		2004.. 230 516	23 359	207 157	3 376	22 971	180 811	3	
		2003.. 200 956	19 625	181 330	4 699	26 529	150 102	6	
		2002.. 275 921	45 669	230 252	6 934	37 057	186 261	X	
33511	Electric lamp bulb and parts manufacturing	2005.. 56 875	1 105	55 769	10	1 058	54 701	7	
		2004.. 61 345	1 996	59 349	189	1 287	57 873	2	
		2003.. 54 788	1 310	53 477	64	3 480	49 933	12	
		2002.. 77 272	8 909	68 363	1 694	3 955	62 714	X	
335110	Electric lamp bulb and parts manufacturing	2005.. 56 875	1 105	55 769	10	1 058	54 701	7	
		2004.. 61 345	1 996	59 349	189	1 287	57 873	2	
		2003.. 54 788	1 310	53 477	64	3 480	49 933	12	
		2002.. 77 272	8 909	68 363	1 694	3 955	62 714	X	
33512	Lighting fixture manufacturing	2005.. 168 557	33 963	134 594	2 277	14 701	117 617	3	
		2004.. 169 171	21 363	147 808	3 186	21 683	122 938	4	
		2003.. 146 168	18 315	127 853	4 635	23 049	100 169	7	
		2002.. 198 649	36 760	161 889	5 240	33 102	123 547	X	
33512M	Lighting fixture manufacturing	2005.. 168 557	33 963	134 594	2 277	14 701	117 617	3	
		2004.. 169 171	21 363	147 808	3 186	21 683	122 938	4	
		2003.. 146 168	18 315	127 853	4 635	23 049	100 169	7	
		2002.. 198 649	36 760	161 889	5 240	33 102	123 547	X	
3352	Household appliance manufacturing	2005.. 391 159	26 614	364 545	1 285	13 254	350 006	1	
		2004.. 456 980	29 827	427 153	1 691	15 894	409 569	1	
		2003.. 646 094	56 620	589 474	1 579	13 389	574 506	14	
		2002.. 604 362	73 816	530 546	2 305	23 292	504 949	X	

See footnotes at end of table.

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				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
335	Electrical equipment, appliance, and component manufacturing—Con.								
3352	Household appliance manufacturing—Con.								
33521	Small electrical appliance manufacturing	2005.. 57 079	3 045	54 034	463	5 797	47 774	1	
		2004.. 64 365	4 049	60 316	489	7 231	52 596	1	
		2003.. 95 203	27 261	67 942	700	4 803	62 439	5	
		2002.. 122 961	12 465	110 496	958	9 055	100 483	X	
33521M	Small electrical appliance manufacturing	2005.. 57 079	3 045	54 034	463	5 797	47 774	1	
		2004.. 64 365	4 049	60 316	489	7 231	52 596	1	
		2003.. 95 203	27 261	67 942	700	4 803	62 439	5	
		2002.. 122 961	12 465	110 496	958	9 055	100 483	X	
33522	Major appliance manufacturing	2005.. 334 080	23 569	310 511	822	7 457	302 232	1	
		2004.. 392 615	25 778	366 837	1 202	8 663	356 973	1	
		2003.. 550 891	29 359	521 532	878	8 586	512 068	16	
		2002.. 481 401	61 351	420 050	1 347	14 237	404 466	X	
335221	Household cooking appliance manufacturing	2005.. 90 699	9 928	80 771	383	2 709	77 680	1	
		2004.. 117 738	12 041	105 698	D	D	102 504	1	
		2003.. 154 643	11 963	142 680	351	2 847	139 481	4	
		2002.. 117 090	19 285	97 805	626	4 138	93 041	X	
335222	Household refrigerator and home freezer manufacturing	2005.. 69 089	2 143	66 946	209	1 925	64 812	1	
		2004.. 125 434	3 938	121 496	D	D	D	2	
		2003.. 131 790	3 456	128 334	253	D	D	1	
		2002.. 155 257	8 674	146 583	D	D	144 131	X	
335224	Household laundry equipment manufacturing	2005.. 80 988	2 258	78 730	D	D	77 615	1	
		2004.. 61 837	3 898	57 939	—	D	D	1	
		2003.. 71 984	5 101	66 883	—	D	D	1	
		2002.. 80 070	9 018	71 052	D	D	70 035	X	
335228	Other major household appliance manufacturing	2005.. 93 304	9 240	84 064	D	D	82 125	1	
		2004.. 87 606	5 902	81 704	D	4 148	D	1	
		2003.. 192 474	8 839	183 635	274	3 686	179 674	45	
		2002.. 128 984	24 374	104 610	293	7 058	97 259	X	
3353	Electrical equipment manufacturing	2005.. 475 332	61 088	414 245	11 776	46 094	356 375	2	
		2004.. 644 351	58 022	586 329	13 260	56 842	516 226	2	
		2003.. 439 389	49 823	389 566	9 026	45 168	335 372	3	
		2002.. 680 974	101 560	579 414	16 479	62 341	500 594	X	
33531	Electrical equipment manufacturing	2005.. 475 332	61 088	414 245	11 776	46 094	356 375	2	
		2004.. 644 351	58 022	586 329	13 260	56 842	516 226	2	
		2003.. 439 389	49 823	389 566	9 026	45 168	335 372	3	
		2002.. 680 974	101 560	579 414	16 479	62 341	500 594	X	
335311	Power, distribution, and specialty transformer manufacturing	2005.. 41 349	5 491	35 859	1 925	3 610	30 323	3	
		2004.. 39 091	8 475	30 616	1 729	5 062	23 824	4	
		2003.. 31 616	3 208	28 408	1 128	3 822	23 459	3	
		2002.. 78 462	14 150	64 312	2 038	4 710	57 564	X	
335312	Motor and generator manufacturing	2005.. 196 757	18 036	178 722	6 739	12 647	159 335	3	
		2004.. 369 761	25 357	344 403	6 220	25 241	312 942	2	
		2003.. 154 741	9 518	145 223	2 613	7 057	135 554	5	
		2002.. 219 218	23 304	195 914	4 971	13 355	177 588	X	
335313	Switchgear and switchboard apparatus manufacturing	2005.. 99 599	15 652	83 947	1 889	11 234	70 824	4	
		2004.. 108 863	12 243	96 620	2 208	12 208	82 203	3	
		2003.. 111 967	5 282	106 685	2 807	15 640	88 238	5	
		2002.. 191 141	33 119	158 022	4 496	17 995	135 531	X	
335314	Relay and industrial control manufacturing	2005.. 137 627	21 910	115 717	1 222	18 602	95 892	4	
		2004.. 126 637	11 947	114 690	3 102	14 331	97 257	4	
		2003.. 141 065	31 815	109 250	2 479	18 649	88 122	8	
		2002.. 192 153	30 987	161 166	4 974	26 281	129 911	X	
3359	Other electrical equipment and component manufacturing	2005.. 832 490	87 624	744 867	9 858	65 787	669 222	4	
		2004.. 881 378	100 199	781 179	11 372	80 128	689 678	2	
		2003.. 925 731	100 401	825 330	17 298	91 355	716 676	2	
		2002.. 1 125 422	193 512	931 910	21 749	87 567	822 594	X	
33591	Battery manufacturing	2005.. 154 674	27 116	127 558	410	6 107	121 041	19	
		2004.. 158 276	23 580	134 696	243	3 168	131 285	3	
		2003.. 176 499	14 262	162 237	721	10 410	151 106	8	
		2002.. 165 004	21 871	143 133	1 848	5 489	135 796	X	
335911	Storage battery manufacturing	2005.. 87 715	17 441	70 274	278	3 652	66 344	33	
		2004.. 85 379	11 642	73 737	139	1 828	71 770	2	
		2003.. 120 458	9 494	110 964	650	8 707	101 607	7	
		2002.. 81 282	11 528	69 754	1 666	2 708	65 380	X	
335912	Primary battery manufacturing	2005.. 66 959	9 675	57 284	132	2 455	54 697	7	
		2004.. 72 897	11 938	60 959	104	1 340	59 515	6	
		2003.. 56 041	4 768	51 273	71	1 703	49 499	21	
		2002.. 83 722	10 343	73 379	182	2 781	70 416	X	
33592	Communication and energy wire and cable manufacturing	2005.. 156 536	12 536	144 000	1 421	6 573	136 006	2	
		2004.. 226 690	30 447	196 243	2 498	12 280	181 465	4	
		2003.. 198 793	11 066	187 728	3 129	13 065	171 534	5	
		2002.. 329 398	74 386	255 012	7 949	19 730	227 333	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
				A	B	C	D		E
335	Electrical equipment, appliance, and component manufacturing—Con.								
3359	Other electrical equipment and component manufacturing—Con.								
33592	Communication and energy wire and cable manufacturing—Con.								
33592M	Communication and energy wire and cable manufacturing	2005..	156 536	12 536	144 000	1 421	6 573	136 006	2
		2004..	226 690	30 447	196 243	2 498	12 280	181 465	4
		2003..	198 793	11 066	187 728	3 129	13 065	171 534	5
		2002..	329 398	74 386	255 012	7 949	19 730	227 333	X
33593	Wiring device manufacturing	2005..	270 141	20 589	249 552	3 267	19 187	227 097	2
		2004..	219 398	21 215	198 183	3 363	17 798	177 022	2
		2003..	200 377	15 429	184 948	4 546	18 416	161 985	4
		2002..	270 918	36 513	234 405	5 276	22 644	206 485	X
33593M	Wiring device manufacturing	2005..	270 141	20 589	249 552	3 267	19 187	227 097	2
		2004..	219 398	21 215	198 183	3 363	17 798	177 022	2
		2003..	200 377	15 429	184 948	4 546	18 416	161 985	4
		2002..	270 918	36 513	234 405	5 276	22 644	206 485	X
33599	All other electrical equipment and component manufacturing	2005..	251 140	27 382	223 757	4 760	33 919	185 078	3
		2004..	277 014	24 957	252 057	5 269	46 882	199 906	4
		2003..	350 061	59 644	290 417	8 903	49 463	232 051	3
		2002..	360 102	60 742	299 360	6 676	39 704	252 980	X
335991	Carbon and graphite product manufacturing	2005..	92 971	12 355	80 616	494	1 786	78 336	6
		2004..	67 833	5 443	62 390	289	1 790	60 311	5
		2003..	48 762	5 690	43 072	579	1 815	40 678	15
		2002..	93 497	9 793	83 704	592	2 109	81 003	X
335999	All other miscellaneous electrical equipment and component manufacturing	2005..	158 168	15 027	143 141	4 266	32 132	106 742	3
		2004..	209 181	19 514	189 667	4 979	45 092	139 595	5
		2003..	301 299	53 954	247 345	8 324	47 649	191 373	2
		2002..	266 605	50 949	215 656	6 084	37 595	171 977	X
336	Transportation equipment manufacturing	2005..	15 279 052	2 228 973	13 050 079	245 633	623 907	12 180 538	1
		2004..	14 347 582	1 953 900	12 393 682	195 187	971 207	11 227 288	1
		2003..	16 203 736	2 133 153	14 070 584	241 277	1 095 307	12 733 999	2
		2002..	16 611 368	2 572 096	14 039 272	451 150	821 345	12 766 777	X
3361	Motor vehicle manufacturing	2005..	4 095 453	280 365	3 815 089	70 717	98 771	3 645 601	1
		2004..	4 686 773	536 993	4 149 779	D	D	3 660 075	1
		2003..	5 168 750	590 079	4 578 671	26 882	324 126	4 227 663	1
		2002..	4 797 235	814 938	3 982 297	D	150 641	D	X
33611	Automobile and light duty motor vehicle manufacturing	2005..	3 898 528	251 009	3 647 518	69 066	76 793	3 501 660	1
		2004..	4 526 634	480 101	4 046 533	D	D	D	1
		2003..	5 005 297	573 913	4 431 384	26 289	314 885	4 090 210	1
		2002..	4 643 920	781 832	3 862 088	D	134 216	D	X
336111	Automobile manufacturing	2005..	2 354 374	135 218	2 219 155	D	D	2 154 916	1
		2004..	2 391 274	228 800	2 162 474	D	D	D	1
		2003..	2 116 005	126 550	1 989 455	20 586	136 125	D	1
		2002..	2 052 360	323 564	1 728 796	D	75 540	D	X
336112	Light truck and utility vehicle manufacturing	2005..	1 544 154	115 791	1 428 363	D	D	1 346 744	1
		2004..	2 135 360	251 301	1 884 059	D	D	D	1
		2003..	2 889 292	447 363	2 441 929	5 703	178 760	D	1
		2002..	2 591 560	458 268	2 133 292	D	58 676	D	X
33612	Heavy duty truck manufacturing	2005..	196 926	29 355	167 570	1 651	21 978	143 941	1
		2004..	160 139	56 892	103 246	D	D	D	1
		2003..	163 453	16 166	147 287	593	9 241	137 453	3
		2002..	153 315	33 106	120 209	D	16 425	D	X
336120	Heavy duty truck manufacturing	2005..	196 926	29 355	167 570	1 651	21 978	143 941	1
		2004..	160 139	56 892	103 246	D	D	D	1
		2003..	163 453	16 166	147 287	593	9 241	137 453	3
		2002..	153 315	33 106	120 209	D	16 425	D	X
3362	Motor vehicle body and trailer manufacturing	2005..	392 136	99 290	292 847	26 415	30 860	235 572	3
		2004..	441 510	132 160	309 350	30 362	29 496	249 491	3
		2003..	387 606	114 687	272 919	30 901	33 453	208 565	6
		2002..	328 530	91 626	236 904	19 960	25 896	191 048	X
33621	Motor vehicle body and trailer manufacturing	2005..	392 136	99 290	292 847	26 415	30 860	235 572	3
		2004..	441 510	132 160	309 350	30 362	29 496	249 491	3
		2003..	387 606	114 687	272 919	30 901	33 453	208 565	6
		2002..	328 530	91 626	236 904	19 960	25 896	191 048	X
336211	Motor vehicle body manufacturing	2005..	151 267	31 399	119 869	8 265	15 765	95 839	6
		2004..	155 718	39 084	116 635	5 716	17 056	93 863	5
		2003..	178 235	48 096	130 139	9 996	16 717	103 425	10
		2002..	150 517	41 999	108 518	5 782	12 496	90 240	X
336212	Truck trailer manufacturing	2005..	108 759	20 497	88 263	11 542	6 362	70 359	7
		2004..	126 712	23 000	103 712	14 355	4 775	84 582	10
		2003..	61 622	7 892	53 730	9 754	3 518	40 458	11
		2002..	53 764	12 087	41 677	4 325	3 292	34 060	X
336213	Motor home manufacturing	2005..	53 178	17 724	35 454	1 954	3 700	29 800	2
		2004..	79 991	35 348	44 643	3 654	3 224	37 765	3
		2003..	56 082	19 665	36 417	2 959	6 660	26 798	3
		2002..	50 505	18 555	31 950	2 480	3 620	25 850	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
336	Transportation equipment manufacturing—Con.								
3362	Motor vehicle body and trailer manufacturing—Con.								
33621	Motor vehicle body and trailer manufacturing—Con.								
336214	Travel trailer and camper manufacturing	2005.. 78 931	29 670	49 261	4 654	5 033	39 575	3	
		2004.. 79 089	34 729	44 360	6 637	4 442	33 281	4	
		2003.. 91 667	39 034	52 633	8 193	6 558	37 883	16	
		2002.. 73 744	18 985	54 759	7 373	6 488	40 898	X	
3363	Motor vehicle parts manufacturing	2005.. 6 812 442	502 162	6 310 280	91 246	254 414	5 964 620	1	
		2004.. 6 259 196	509 699	5 749 497	61 844	291 078	5 396 575	1	
		2003.. 7 417 862	672 866	6 744 996	103 059	459 253	6 182 683	3	
		2002.. 7 556 974	838 056	6 718 918	84 381	286 708	6 347 829	X	
33631	Motor vehicle gasoline engine and engine parts manufacturing	2005.. 1 445 698	141 863	1 303 834	22 013	57 560	1 224 261	2	
		2004.. 1 003 713	111 307	892 406	10 282	18 832	863 292	4	
		2003.. 1 150 310	169 027	981 283	15 503	23 183	942 597	3	
		2002.. 1 285 841	109 023	1 176 818	9 905	27 954	1 138 959	X	
33631M	Motor vehicle gasoline engine and engine parts manufacturing	2005.. 1 445 698	141 863	1 303 834	22 013	57 560	1 224 261	2	
		2004.. 1 003 713	111 307	892 406	10 282	18 832	863 292	4	
		2003.. 1 150 310	169 027	981 283	15 503	23 183	942 597	3	
		2002.. 1 285 841	109 023	1 176 818	9 905	27 954	1 138 959	X	
33632	Motor vehicle electrical and electronic equipment manufacturing	2005.. 720 691	96 935	623 756	10 226	37 399	576 131	2	
		2004.. 536 486	37 118	499 368	5 979	22 078	471 311	2	
		2003.. 690 983	56 447	634 536	7 036	51 114	576 387	8	
		2002.. 709 763	71 837	637 926	11 682	34 434	591 810	X	
33632M	Motor vehicle electrical and electronic equipment manufacturing	2005.. 720 691	96 935	623 756	10 226	37 399	576 131	2	
		2004.. 536 486	37 118	499 368	5 979	22 078	471 311	2	
		2003.. 690 983	56 447	634 536	7 036	51 114	576 387	8	
		2002.. 709 763	71 837	637 926	11 682	34 434	591 810	X	
33633	Motor vehicle steering and suspension component (except spring) manufacturing	2005.. 336 389	27 310	309 079	3 195	8 349	297 535	4	
		2004.. 300 518	18 517	282 001	1 490	11 099	269 412	6	
		2003.. 364 245	38 710	325 535	2 274	7 971	315 290	6	
		2002.. 400 763	38 738	362 025	2 452	8 797	350 776	X	
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2005.. 336 389	27 310	309 079	3 195	8 349	297 535	4	
		2004.. 300 518	18 517	282 001	1 490	11 099	269 412	6	
		2003.. 364 245	38 710	325 535	2 274	7 971	315 290	6	
		2002.. 400 763	38 738	362 025	2 452	8 797	350 776	X	
33634	Motor vehicle brake system manufacturing	2005.. 385 404	14 797	370 607	4 786	9 654	356 167	5	
		2004.. 461 181	21 076	440 105	4 063	16 874	419 169	2	
		2003.. 423 296	14 172	409 123	2 146	12 162	394 815	4	
		2002.. 568 244	46 331	521 913	6 836	17 907	497 170	X	
336340	Motor vehicle brake system manufacturing	2005.. 385 404	14 797	370 607	4 786	9 654	356 167	5	
		2004.. 461 181	21 076	440 105	4 063	16 874	419 169	2	
		2003.. 423 296	14 172	409 123	2 146	12 162	394 815	4	
		2002.. 568 244	46 331	521 913	6 836	17 907	497 170	X	
33635	Motor vehicle transmission and power train parts manufacturing	2005.. 1 388 975	42 615	1 346 360	11 224	26 675	1 308 461	5	
		2004.. 1 336 984	50 506	1 286 478	4 075	60 876	1 221 527	2	
		2003.. 1 192 810	136 575	1 056 235	12 120	44 520	999 596	8	
		2002.. 1 619 999	179 087	1 440 912	8 748	35 656	1 396 508	X	
336350	Motor vehicle transmission and power train parts manufacturing	2005.. 1 388 975	42 615	1 346 360	11 224	26 675	1 308 461	5	
		2004.. 1 336 984	50 506	1 286 478	4 075	60 876	1 221 527	2	
		2003.. 1 192 810	136 575	1 056 235	12 120	44 520	999 596	8	
		2002.. 1 619 999	179 087	1 440 912	8 748	35 656	1 396 508	X	
33636	Motor vehicle seating and interior trim manufacturing	2005.. 280 463	17 889	262 574	5 583	12 471	244 520	1	
		2004.. 288 405	29 824	258 581	3 842	11 243	243 495	4	
		2003.. 294 477	28 631	265 846	2 192	11 911	251 743	4	
		2002.. 332 166	73 477	258 689	6 339	15 488	236 862	X	
336360	Motor vehicle seating and interior trim manufacturing	2005.. 280 463	17 889	262 574	5 583	12 471	244 520	1	
		2004.. 288 405	29 824	258 581	3 842	11 243	243 495	4	
		2003.. 294 477	28 631	265 846	2 192	11 911	251 743	4	
		2002.. 332 166	73 477	258 689	6 339	15 488	236 862	X	
33637	Motor vehicle metal stamping	2005.. 945 389	69 332	876 057	12 075	38 973	825 009	3	
		2004.. 1 017 560	114 547	903 013	13 731	94 748	794 534	3	
		2003.. 1 938 932	146 443	1 792 489	42 279	238 437	1 511 773	11	
		2002.. 1 028 307	156 389	871 918	12 932	84 466	774 520	X	
336370	Motor vehicle metal stamping	2005.. 945 389	69 332	876 057	12 075	38 973	825 009	3	
		2004.. 1 017 560	114 547	903 013	13 731	94 748	794 534	3	
		2003.. 1 938 932	146 443	1 792 489	42 279	238 437	1 511 773	11	
		2002.. 1 028 307	156 389	871 918	12 932	84 466	774 520	X	

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column— A
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures	
336	Transportation equipment manufacturing—Con.							
3363	Motor vehicle parts manufacturing—Con.							
33639	Other motor vehicle parts manufacturing	2005.. 1 309 436	91 422	1 218 013	22 144	63 333	1 132 536	2
		2004.. 1 314 348	126 803	1 187 545	18 382	55 328	1 113 835	3
		2003.. 1 362 809	82 862	1 279 948	19 510	69 955	1 190 483	6
		2002.. 1 611 891	163 174	1 448 717	25 487	62 006	1 361 224	X
336391	Motor vehicle air-conditioning manufacturing	2005.. 132 251	8 148	124 103	2 723	10 436	110 944	3
		2004.. 115 231	9 835	105 395	2 604	7 378	95 413	2
		2003.. 135 460	5 989	129 471	1 691	6 690	121 090	3
		2002.. 214 058	14 892	199 166	4 113	8 689	186 364	X
336399	All other miscellaneous motor vehicle parts manufacturing	2005.. 1 177 184	83 274	1 093 910	19 421	52 897	1 021 592	2
		2004.. 1 199 118	116 968	1 082 150	15 778	47 950	1 018 422	3
		2003.. 1 227 349	76 872	1 150 477	17 820	63 265	1 069 393	7
		2002.. 1 397 833	148 282	1 249 551	21 374	53 317	1 174 860	X
3364	Aerospace product and parts manufacturing	2005.. 3 068 802	1 142 953	1 925 849	32 936	179 467	1 713 446	3
		2004.. 2 164 117	616 212	1 547 904	22 782	152 844	1 372 279	2
		2003.. 2 388 963	625 281	1 763 682	49 725	210 668	1 503 288	1
		2002.. 2 842 294	583 527	2 258 767	44 826	277 421	1 936 520	X
33641	Aerospace product and parts manufacturing	2005.. 3 068 802	1 142 953	1 925 849	32 936	179 467	1 713 446	3
		2004.. 2 164 117	616 212	1 547 904	22 782	152 844	1 372 279	2
		2003.. 2 388 963	625 281	1 763 682	49 725	210 668	1 503 288	1
		2002.. 2 842 294	583 527	2 258 767	44 826	277 421	1 936 520	X
336411	Aircraft manufacturing	2005.. 1 163 667	569 371	594 297	2 280	48 023	543 994	7
		2004.. 765 359	345 815	419 544	5 936	49 255	364 354	6
		2003.. 694 895	368 174	326 721	2 966	44 406	279 349	1
		2002.. 905 987	244 110	661 877	6 330	58 458	597 089	X
336412	Aircraft engine and engine parts manufacturing	2005.. 550 005	52 213	497 792	D	D	468 660	2
		2004.. 435 803	59 541	376 262	4 188	22 260	349 814	2
		2003.. 672 246	11 772	660 474	18 856	55 957	585 661	3
		2002.. 795 972	85 181	710 791	4 786	67 521	638 484	X
336413	Other aircraft parts and auxiliary equipment manufacturing	2005.. 539 740	107 521	432 219	5 663	49 831	376 725	6
		2004.. 582 559	87 251	495 308	10 469	61 854	422 986	3
		2003.. 491 965	90 370	401 595	13 274	55 470	332 852	5
		2002.. 652 469	146 038	506 431	15 628	108 386	382 417	X
336414	Guided missile and space vehicle manufacturing	2005.. 399 298	D	D	D	35 892	227 110	1
		2004.. 290 764	D	D	769	D	175 496	1
		2003.. 438 055	140 652	297 403	D	D	242 511	1
		2002.. 364 009	73 463	290 546	D	D	243 302	X
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2005.. 81 534	30 475	51 059	D	D	37 015	1
		2004.. 64 469	15 779	48 690	1 061	D	D	1
		2003.. 79 818	13 792	66 026	D	D	52 971	4
		2002.. 105 889	29 716	76 173	D	D	63 914	X
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2005.. 334 558	D	D	1 101	D	59 942	3
		2004.. 25 163	D	D	360	1 825	D	41
		2003.. 11 984	521	11 463	89	1 429	9 944	3
		2002.. 17 968	5 019	12 949	496	1 139	11 314	X
3365	Railroad rolling stock manufacturing	2005.. 124 218	31 718	92 500	3 001	2 442	87 057	1
		2004.. 112 789	15 530	97 259	3 011	7 800	86 448	2
		2003.. 96 180	10 860	85 319	2 332	6 600	76 388	6
		2002.. 124 503	31 715	92 788	D	9 598	D	X
33651	Railroad rolling stock manufacturing	2005.. 124 218	31 718	92 500	3 001	2 442	87 057	1
		2004.. 112 789	15 530	97 259	3 011	7 800	86 448	2
		2003.. 96 180	10 860	85 319	2 332	6 600	76 388	6
		2002.. 124 503	31 715	92 788	D	9 598	D	X
336510	Railroad rolling stock manufacturing	2005.. 124 218	31 718	92 500	3 001	2 442	87 057	1
		2004.. 112 789	15 530	97 259	3 011	7 800	86 448	2
		2003.. 96 180	10 860	85 319	2 332	6 600	76 388	6
		2002.. 124 503	31 715	92 788	D	9 598	D	X
3366	Ship and boat building	2005.. 437 422	141 938	295 484	16 825	29 308	249 352	1
		2004.. 383 045	104 926	278 119	D	D	232 595	4
		2003.. 375 347	77 285	298 062	22 022	39 174	236 866	4
		2002.. 439 872	106 899	332 973	16 529	42 026	274 418	X
33661	Ship and boat building	2005.. 437 422	141 938	295 484	16 825	29 308	249 352	1
		2004.. 383 045	104 926	278 119	D	D	232 595	4
		2003.. 375 347	77 285	298 062	22 022	39 174	236 866	4
		2002.. 439 872	106 899	332 973	16 529	42 026	274 418	X
336611	Ship building and repairing	2005.. 219 875	104 945	114 930	5 540	12 897	96 493	1
		2004.. 203 703	70 637	133 066	D	D	113 423	2
		2003.. 238 329	52 311	186 018	12 206	29 210	144 602	4
		2002.. 276 488	73 660	202 828	5 678	28 578	168 572	X
336612	Boat building	2005.. 217 546	36 993	180 554	11 285	16 411	152 859	3
		2004.. 179 342	34 289	145 054	D	D	119 172	8
		2003.. 137 018	24 974	112 044	9 817	9 963	92 264	8
		2002.. 163 384	33 239	130 145	10 851	13 448	105 846	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—				
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures					
									A	B	C	D
336	Transportation equipment manufacturing—Con.											
3369	Other transportation equipment manufacturing	2005.. 348 578	30 548	318 030	4 493	28 645	284 891	2				
		2004.. 300 153	38 379	261 774	D	D	229 825	2				
		2003.. 369 029	42 094	326 935	6 355	22 033	298 547	10				
		2002.. 521 960	105 335	416 625	D	29 055	D	X				
33699	Other transportation equipment manufacturing	2005.. 348 578	30 548	318 030	4 493	28 645	284 891	2				
		2004.. 300 153	38 379	261 774	D	D	229 825	2				
		2003.. 369 029	42 094	326 935	6 355	22 033	298 547	10				
		2002.. 521 960	105 335	416 625	D	29 055	D	X				
336991	Motorcycle, bicycle, and parts manufacturing	2005.. 137 189	15 198	121 991	2 276	15 252	104 463	5				
		2004.. 95 849	15 477	80 372	D	D	64 626	2				
		2003.. 152 239	3 294	148 945	2 829	9 886	136 230	12				
		2002.. 310 942	53 926	257 016	D	17 126	D	X				
336992	Military armored vehicle, tank, and tank component manufacturing	2005.. 33 126	3 607	29 519	358	5 406	23 755	1				
		2004.. 20 575	3 615	16 959	256	5 170	11 533	12				
		2003.. 21 980	2 644	19 336	1 702	4 241	13 394	1				
		2002.. 15 477	2 813	12 664	D	2 910	D	X				
336999	All other transportation equipment manufacturing	2005.. 178 263	11 743	166 520	1 860	7 987	156 673	3				
		2004.. 183 730	19 287	164 443	2 782	7 996	153 665	2				
		2003.. 194 811	36 156	158 654	1 825	7 906	148 923	17				
		2002.. 195 541	48 596	146 945	D	9 019	D	X				
337	Furniture and related product manufacturing	2005.. 1 410 361	313 969	1 096 392	78 682	134 241	883 469	3				
		2004.. 1 295 919	273 563	1 022 357	67 210	120 461	834 686	3				
		2003.. 1 359 215	228 711	1 130 505	146 025	173 845	810 634	7				
		2002.. 1 732 151	327 367	1 404 784	97 524	177 665	1 129 595	X				
3371	Household and institutional furniture and kitchen cabinet manufacturing	2005.. 834 133	207 709	626 424	55 958	76 680	493 786	5				
		2004.. 820 433	184 369	636 064	44 725	72 441	518 898	5				
		2003.. 826 448	142 953	683 495	110 485	113 966	459 044	11				
		2002.. 1 023 247	230 120	793 127	65 513	92 735	634 879	X				
33711	Wood kitchen cabinet and counter top manufacturing	2005.. 477 263	114 358	362 905	38 093	40 518	284 295	8				
		2004.. 404 841	90 782	314 059	27 775	33 447	252 837	9				
		2003.. 448 616	57 943	390 673	89 307	67 380	233 986	19				
		2002.. 443 470	107 504	335 966	29 955	32 020	273 991	X				
337110	Wood kitchen cabinet and counter top manufacturing	2005.. 477 263	114 358	362 905	38 093	40 518	284 295	8				
		2004.. 404 841	90 782	314 059	27 775	33 447	252 837	9				
		2003.. 448 616	57 943	390 673	89 307	67 380	233 986	19				
		2002.. 443 470	107 504	335 966	29 955	32 020	273 991	X				
33712	Household and institutional furniture manufacturing	2005.. 356 870	93 351	263 519	17 866	36 162	209 491	4				
		2004.. 415 592	93 587	322 005	16 950	38 994	266 061	4				
		2003.. 377 831	85 009	292 822	21 178	46 586	225 059	8				
		2002.. 579 777	122 616	457 161	35 558	60 715	360 888	X				
337121	Upholstered household furniture manufacturing	2005.. 74 755	16 966	57 789	7 553	9 494	40 741	3				
		2004.. 107 513	32 345	75 167	7 009	9 197	58 962	2				
		2003.. 91 429	19 863	71 566	9 317	12 681	49 569	5				
		2002.. 172 006	47 689	124 317	12 188	13 299	98 830	X				
337122	Nonupholstered wood household furniture manufacturing	2005.. 130 036	31 231	98 805	5 223	9 361	84 221	6				
		2004.. 156 354	40 426	115 928	4 747	12 098	99 083	6				
		2003.. 138 905	14 543	124 362	6 170	16 134	102 058	8				
		2002.. 217 862	41 598	176 264	13 689	22 447	140 128	X				
337127	Institutional furniture manufacturing	2005.. 106 645	32 171	74 474	4 173	13 551	56 750	12				
		2004.. 99 606	17 054	82 552	4 205	13 353	64 994	7				
		2003.. 104 371	40 827	63 544	4 297	13 030	46 217	26				
		2002.. 123 357	26 094	97 263	7 449	18 970	70 844	X				
33712N	Other household nonupholstered furniture	2005.. 45 434	12 983	32 450	917	3 756	27 778	5				
		2004.. 52 120	3 762	48 358	989	4 347	43 023	23				
		2003.. 43 126	9 776	33 350	1 395	4 740	27 215	4				
		2002.. 66 552	7 235	59 317	2 232	5 999	51 086	X				
3372	Office furniture (including fixtures) manufacturing	2005.. 426 709	52 833	373 877	17 126	47 943	308 808	3				
		2004.. 370 046	66 593	303 453	16 839	37 937	248 677	3				
		2003.. 419 767	60 584	359 183	26 820	43 583	288 781	7				
		2002.. 533 218	67 586	465 632	21 760	61 768	382 104	X				
33721	Office furniture (including fixtures) manufacturing	2005.. 426 709	52 833	373 877	17 126	47 943	308 808	3				
		2004.. 370 046	66 593	303 453	16 839	37 937	248 677	3				
		2003.. 419 767	60 584	359 183	26 820	43 583	288 781	7				
		2002.. 533 218	67 586	465 632	21 760	61 768	382 104	X				
337212	Custom architectural woodwork and millwork manufacturing	2005.. 62 924	6 810	56 114	4 597	7 581	43 936	6				
		2004.. 76 489	12 576	63 913	6 503	6 545	50 865	9				
		2003.. 54 195	5 025	49 169	5 702	5 605	37 862	11				
		2002.. 89 377	13 584	75 793	8 259	9 972	57 562	X				
337215	Showcase, partition, shelving, and locker manufacturing	2005.. 148 585	24 981	123 604	6 575	16 772	100 257	6				
		2004.. 157 385	30 751	126 634	5 026	14 002	107 606	5				
		2003.. 199 331	48 283	151 047	18 609	19 478	112 960	13				
		2002.. 205 734	35 440	170 294	9 217	18 802	142 275	X				
33721N	Office furniture manufacturing	2005.. 215 201	21 042	194 159	5 954	23 589	164 616	3				
		2004.. 136 172	23 266	112 906	5 311	17 390	90 205	4				
		2003.. 166 242	7 275	158 967	2 508	18 500	137 959	6				
		2002.. 238 107	18 562	219 545	4 284	32 994	182 267	X				

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column— A	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
337	Furniture and related product manufacturing—Con.								
3379	Other furniture related product manufacturing	2005..	149 519	53 428	96 092	5 598	9 618	80 875	4
		2004..	105 440	22 601	82 839	5 646	10 082	67 111	3
		2003..	113 000	25 174	87 826	8 720	16 296	62 810	10
		2002..	175 686	29 661	146 025	10 251	23 162	112 612	X
33791	Mattress manufacturing	2005..	100 214	44 049	56 165	2 821	2 716	50 629	5
		2004..	60 906	15 219	45 688	3 585	2 873	39 230	4
		2003..	64 784	17 155	47 630	6 566	4 116	36 948	15
		2002..	74 537	10 375	64 162	6 065	7 315	50 782	X
337910	Mattress manufacturing	2005..	100 214	44 049	56 165	2 821	2 716	50 629	5
		2004..	60 906	15 219	45 688	3 585	2 873	39 230	4
		2003..	64 784	17 155	47 630	6 566	4 116	36 948	15
		2002..	74 537	10 375	64 162	6 065	7 315	50 782	X
33792	Blind and shade manufacturing	2005..	49 305	9 379	39 926	2 777	6 903	30 247	8
		2004..	44 534	7 382	37 152	2 061	7 209	27 882	6
		2003..	48 216	8 020	40 196	2 154	12 181	25 861	11
		2002..	101 149	19 286	81 863	4 186	15 847	61 830	X
337920	Blind and shade manufacturing	2005..	49 305	9 379	39 926	2 777	6 903	30 247	8
		2004..	44 534	7 382	37 152	2 061	7 209	27 882	6
		2003..	48 216	8 020	40 196	2 154	12 181	25 861	11
		2002..	101 149	19 286	81 863	4 186	15 847	61 830	X
339	Miscellaneous manufacturing	2005..	4 665 834	847 206	3 818 628	100 716	467 679	3 250 234	2
		2004..	4 222 750	642 618	3 580 132	86 915	476 882	3 016 335	5
		2003..	3 343 554	467 961	2 875 593	99 235	455 238	2 321 120	2
		2002..	3 982 122	737 565	3 244 557	130 941	541 736	2 571 880	X
3391	Medical equipment and supplies manufacturing	2005..	2 758 727	515 186	2 243 541	42 063	289 205	1 912 274	2
		2004..	2 344 865	397 646	1 947 220	28 124	251 143	1 667 952	2
		2003..	1 949 217	299 417	1 649 800	36 092	281 299	1 332 409	3
		2002..	2 216 691	458 966	1 757 725	53 368	300 934	1 403 423	X
33911	Medical equipment and supplies manufacturing	2005..	2 758 727	515 186	2 243 541	42 063	289 205	1 912 274	2
		2004..	2 344 865	397 646	1 947 220	28 124	251 143	1 667 952	2
		2003..	1 949 217	299 417	1 649 800	36 092	281 299	1 332 409	3
		2002..	2 216 691	458 966	1 757 725	53 368	300 934	1 403 423	X
339111	Laboratory apparatus and furniture manufacturing	2005..	104 098	20 306	83 792	4 051	16 212	63 530	6
		2004..	88 794	13 229	75 564	2 045	10 902	62 617	5
		2003..	89 092	8 600	80 492	1 891	15 179	63 421	9
		2002..	133 096	22 220	110 876	3 812	19 102	87 962	X
339112	Surgical and medical instrument manufacturing	2005..	875 957	187 211	688 746	11 676	97 442	579 629	4
		2004..	817 354	179 101	638 253	6 474	103 463	528 316	4
		2003..	736 265	100 255	636 010	7 223	93 347	535 440	6
		2002..	918 264	185 253	733 011	15 579	97 571	619 861	X
339113	Surgical appliance and supplies manufacturing	2005..	1 333 362	229 402	1 103 960	17 405	136 677	949 878	3
		2004..	1 041 033	176 215	864 818	12 681	96 498	755 639	2
		2003..	753 204	133 565	619 639	7 640	126 638	485 361	4
		2002..	778 030	172 490	605 540	16 537	142 175	446 828	X
339114	Dental equipment and supplies manufacturing	2005..	92 481	8 960	83 521	3 624	15 842	64 055	3
		2004..	74 271	9 052	65 219	2 060	10 394	52 765	4
		2003..	86 865	10 089	76 776	4 435	12 342	60 000	10
		2002..	145 108	32 711	112 397	3 629	17 861	90 907	X
339115	Ophthalmic goods manufacturing	2005..	242 565	40 860	201 706	1 781	13 501	186 424	3
		2004..	224 904	6 631	218 272	1 272	17 170	199 830	4
		2003..	168 464	32 833	135 631	3 376	20 667	111 588	7
		2002..	147 561	33 181	114 380	3 611	13 767	97 002	X
339116	Dental laboratories	2005..	110 263	28 448	81 815	3 527	9 531	68 758	7
		2004..	98 510	13 416	85 094	3 592	12 715	68 786	8
		2003..	115 327	14 075	101 252	11 527	13 126	76 599	14
		2002..	94 632	13 111	81 521	10 200	10 458	60 863	X
3399	Other miscellaneous manufacturing	2005..	1 907 107	332 020	1 575 087	58 653	178 474	1 337 960	4
		2004..	1 877 884	244 972	1 632 912	58 791	225 738	1 348 383	11
		2003..	1 394 337	168 544	1 225 793	63 143	173 939	988 711	3
		2002..	1 765 431	278 599	1 486 832	77 573	240 802	1 168 457	X
33991	Jewelry and silverware manufacturing	2005..	138 856	29 234	109 621	3 046	27 901	78 675	4
		2004..	133 388	24 084	109 304	2 718	36 994	69 593	5
		2003..	112 003	6 948	105 054	3 964	20 670	80 421	15
		2002..	130 173	13 990	116 183	5 090	29 310	81 783	X
33991M	Jewelry and silverware manufacturing	2005..	138 856	29 234	109 621	3 046	27 901	78 675	4
		2004..	133 388	24 084	109 304	2 718	36 994	69 593	5
		2003..	112 003	6 948	105 054	3 964	20 670	80 421	15
		2002..	130 173	13 990	116 183	5 090	29 310	81 783	X
33992	Sporting and athletic goods manufacturing	2005..	458 866	54 781	404 085	6 200	46 339	351 547	9
		2004..	405 275	44 634	360 642	5 401	38 976	316 265	48
		2003..	289 975	32 002	257 973	10 408	30 202	217 963	4
		2002..	325 528	42 462	283 066	10 202	52 867	219 997	X
339920	Sporting and athletic goods manufacturing	2005..	458 866	54 781	404 085	6 200	46 339	351 547	9
		2004..	405 275	44 634	360 642	5 401	38 976	316 265	48
		2003..	289 975	32 002	257 973	10 408	30 202	217 963	4
		2002..	325 528	42 462	283 066	10 202	52 867	219 997	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2005 and Earlier Years—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
339	Miscellaneous manufacturing—Con.								
3399	Other miscellaneous manufacturing—Con.								
33993	Doll, toy, and game manufacturing	2005.. 73 612	2 916	70 697	1 370	6 607	62 719	23	
		2004.. 82 044	27 919	54 125	743	4 885	48 496	25	
		2003.. 79 104	5 023	74 081	3 497	14 320	56 264	16	
		2002.. 114 482	18 273	96 209	1 662	18 564	75 983	X	
33993M	Doll, toy, and game manufacturing	2005.. 73 612	2 916	70 697	1 370	6 607	62 719	23	
		2004.. 82 044	27 919	54 125	743	4 885	48 496	25	
		2003.. 79 104	5 023	74 081	3 497	14 320	56 264	16	
		2002.. 114 482	18 273	96 209	1 662	18 564	75 983	X	
33994	Office supplies (except paper) manufacturing	2005.. 72 120	12 150	59 970	1 612	8 894	49 464	4	
		2004.. 91 530	11 578	79 952	1 593	11 583	66 776	6	
		2003.. 71 813	8 830	62 983	2 086	9 374	51 523	4	
		2002.. 101 034	13 354	87 680	3 379	12 234	72 067	X	
33994M	Office supplies (except paper) manufacturing	2005.. 72 120	12 150	59 970	1 612	8 894	49 464	4	
		2004.. 91 530	11 578	79 952	1 593	11 583	66 776	6	
		2003.. 71 813	8 830	62 983	2 086	9 374	51 523	4	
		2002.. 101 034	13 354	87 680	3 379	12 234	72 067	X	
33995	Sign manufacturing	2005.. 216 819	39 507	177 312	29 609	29 781	117 922	7	
		2004.. 225 464	31 723	193 741	20 692	26 808	146 241	8	
		2003.. 163 253	14 859	148 394	23 551	28 439	96 405	6	
		2002.. 243 713	42 647	201 066	25 892	32 777	142 397	X	
339950	Sign manufacturing	2005.. 216 819	39 507	177 312	29 609	29 781	117 922	7	
		2004.. 225 464	31 723	193 741	20 692	26 808	146 241	8	
		2003.. 163 253	14 859	148 394	23 551	28 439	96 405	6	
		2002.. 243 713	42 647	201 066	25 892	32 777	142 397	X	
33999	All other miscellaneous manufacturing	2005.. 946 834	193 431	753 402	16 816	58 952	677 634	7	
		2004.. 940 183	105 034	835 149	27 644	106 494	701 011	5	
		2003.. 678 189	100 882	577 307	19 638	70 935	486 734	4	
		2002.. 850 501	147 873	702 628	31 348	95 050	576 230	X	
339991	Gasket, packing, and sealing device manufacturing	2005.. 189 854	28 934	160 920	2 928	12 878	145 113	7	
		2004.. 200 395	29 437	170 958	3 070	15 464	152 424	7	
		2003.. 147 535	20 928	126 606	1 461	9 209	115 936	10	
		2002.. 183 248	28 902	154 346	5 004	14 203	135 139	X	
339992	Musical instrument manufacturing	2005.. 32 037	7 812	24 225	697	5 022	18 506	3	
		2004.. 37 080	6 778	30 302	1 224	7 511	21 567	5	
		2003.. 24 794	3 346	21 447	1 538	3 200	16 709	8	
		2002.. 39 022	7 690	31 332	1 422	4 382	25 528	X	
339993	Fastener, button, needle, and pin manufacturing	2005.. 23 955	3 258	20 696	121	1 303	19 272	4	
		2004.. 23 426	2 501	20 925	114	1 246	19 565	10	
		2003.. 38 960	4 647	34 313	467	3 987	29 859	8	
		2002.. 35 028	3 210	31 818	336	4 359	27 123	X	
339994	Broom, brush, and mop manufacturing	2005.. 48 577	4 618	43 959	1 301	4 592	38 067	5	
		2004.. 72 092	9 380	62 712	946	5 069	56 697	5	
		2003.. 57 263	9 829	47 434	1 514	5 478	40 443	7	
		2002.. 63 043	7 532	55 511	5 360	11 549	38 602	X	
339995	Burial casket manufacturing	2005.. 12 652	747	11 905	354	743	10 808	15	
		2004.. 12 782	786	11 996	948	946	10 102	12	
		2003.. 13 861	757	13 104	1 422	1 359	10 323	17	
		2002.. 17 468	1 237	16 231	1 207	734	14 290	X	
339999	All other miscellaneous manufacturing	2005.. 639 759	148 062	491 697	11 416	34 414	445 867	10	
		2004.. 594 407	56 151	538 256	21 342	76 258	440 656	8	
		2003.. 395 778	61 375	334 403	13 235	47 701	273 466	5	
		2002.. 512 692	99 302	413 390	18 019	59 823	335 548	X	

¹For a comparison of the Annual Survey of Manufactures (ASM) general statistics NAICS-based codes to the 2002 Economic Census NAICS codes, see Appendix F.

²Description of relative standard error of estimate is given in Appendix C. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note 1: Previous years' data may differ from that published in the 2004 Annual Survey of Manufactures (ASM) because of changes encountered in subsequent review of the 2005 ASM.

Note 2: The data in this table are based on the 2005 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—			
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
31-33	Manufacturing	466 171 914	172 672 225	127 961 204	165 538 485	430 464 174	161 032 813	116 122 008	153 309 353	1	1	1	1
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
311	Food manufacturing	33 493 546	18 510 504	2 947 251	12 035 791	32 521 377	18 296 126	2 877 875	11 347 377	1	1	3	1
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
3111	Animal food manufacturing	1 585 388	702 953	164 266	718 170	1 509 769	674 107	142 378	693 283	3	3	5	5
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	21	34	42	2
31111	Animal food manufacturing	1 585 388	702 953	164 266	718 170	1 509 769	674 107	142 378	693 283	3	3	5	5
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	21	34	42	2
311111	Dog and cat food manufacturing	462 586	258 397	22 531	181 659	455 774	248 469	19 674	187 630	2	2	4	2
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
311119	Other animal food manufacturing	1 122 802	444 555	141 735	536 511	1 053 995	425 638	122 704	505 653	4	4	6	6
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	28	45	44	3
3112	Grain and oilseed milling	3 670 084	1 369 329	254 519	2 046 236	3 470 771	1 348 778	253 497	1 868 496	1	1	1	2
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
31121	Flour milling and malt manufacturing	1 174 361	258 478	81 074	834 809	1 099 460	239 397	85 197	774 865	1	2	1	1
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
31121M	Flour milling and malt manufacturing	1 174 361	258 478	81 074	834 809	1 099 460	239 397	85 197	774 865	1	2	1	1
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
31122	Starch and vegetable fats and oils manufacturing	2 166 322	989 295	161 476	1 015 551	2 047 379	993 442	155 835	898 101	2	1	1	4
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
311221	Wet corn milling	490 511	231 703	36 212	222 596	491 927	248 191	35 714	208 021	1	1	1	2
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
311225	Fats and oils refining and blending	491 379	194 453	62 076	234 850	469 934	207 541	51 308	211 084	1	2	1	1
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
31122N	Soybean and other oilseed processing	1 184 432	563 139	63 188	558 105	1 085 518	537 710	68 813	478 995	4	1	1	8
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
31123	Breakfast cereal manufacturing	329 400	121 556	11 969	195 876	323 933	115 939	12 465	195 530	1	1	1	2
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
311230	Breakfast cereal manufacturing	329 400	121 556	11 969	195 876	323 933	115 939	12 465	195 530	1	1	1	2
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
3113	Sugar and confectionery product manufacturing	3 361 930	1 791 017	359 749	1 211 165	3 400 331	1 906 754	341 906	1 151 671	2	2	3	2
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
31131	Sugar manufacturing	1 289 978	789 766	132 506	367 706	1 445 663	945 165	137 839	362 659	1	2	1	1
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X
311313	Beet sugar manufacturing	666 337	389 657	94 220	182 459	729 075	465 300	90 960	172 815	1	1	1	1
		2005..	2004..	2003..	2002..	2005..	2004..	2003..	2002..	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—			
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H				
333 3331 33311 333112	Machinery manufacturing—Con. Agriculture, construction, and mining machinery manufacturing—Con. Agricultural implement manufacturing—Con. Lawn and garden tractor and home lawn and garden equipment manufacturing	2005.. 1 268 604	914 951	90 759	262 894	1 097 221	766 029	80 424	250 768	3	2	28	1
		2004.. 1 095 994	763 451	83 612	248 931	1 103 290	755 034	113 573	234 682	3	1	30	1
		2003.. 1 113 838	758 031	121 293	234 514	986 665	654 840	113 853	217 972	1	1	3	1
		2002.. 997 467	646 458	120 852	230 157	1 086 531	729 459	122 347	234 725	X	X	X	X
33312	Construction machinery manufacturing	2005.. 3 975 070	1 108 091	1 281 303	1 585 675	3 277 860	1 003 794	996 033	1 278 033	1	2	1	2
		2004.. 3 323 346	1 018 219	989 355	1 315 772	2 713 937	977 799	673 096	1 063 043	1	2	1	2
		2003.. 2 935 553	1 096 601	692 457	1 146 495	3 043 567	1 193 819	740 867	1 108 881	2	2	4	2
		2002.. 3 136 594	1 239 729	760 798	1 136 067	3 430 501	1 381 880	898 079	1 150 542	X	X	X	X
333120	Construction machinery manufacturing	2005.. 3 975 070	1 108 091	1 281 303	1 585 675	3 277 860	1 003 794	996 033	1 278 033	1	2	1	2
		2004.. 3 323 346	1 018 219	989 355	1 315 772	2 713 937	977 799	673 096	1 063 043	1	2	1	2
		2003.. 2 935 553	1 096 601	692 457	1 146 495	3 043 567	1 193 819	740 867	1 108 881	2	2	4	2
		2002.. 3 136 594	1 239 729	760 798	1 136 067	3 430 501	1 381 880	898 079	1 150 542	X	X	X	X
33313	Mining and oil and gas field machinery manufacturing	2005.. 2 584 240	1 412 047	577 606	594 587	2 246 589	1 266 212	491 608	488 769	3	4	5	4
		2004.. 2 189 237	1 221 127	511 382	456 728	2 107 817	1 184 930	471 651	451 236	2	2	3	4
		2003.. 2 183 605	1 240 791	493 766	449 048	2 102 834	1 246 102	417 922	438 809	4	4	8	3
		2002.. 2 134 315	1 240 585	432 355	461 375	2 191 939	1 236 386	411 545	544 008	X	X	X	X
33313M	Mining and oil and gas field machinery manufacturing	2005.. 2 584 240	1 412 047	577 606	594 587	2 246 589	1 266 212	491 608	488 769	3	4	5	4
		2004.. 2 189 237	1 221 127	511 382	456 728	2 107 817	1 184 930	471 651	451 236	2	2	3	4
		2003.. 2 183 605	1 240 791	493 766	449 048	2 102 834	1 246 102	417 922	438 809	4	4	8	3
		2002.. 2 134 315	1 240 585	432 355	461 375	2 191 939	1 236 386	411 545	544 008	X	X	X	X
3332	Industrial machinery manufacturing ...	2005.. 6 376 023	1 816 676	1 815 799	2 743 548	6 368 598	1 789 743	1 840 804	2 738 052	2	2	2	3
		2004.. 6 214 712	1 742 611	1 798 869	2 673 231	6 008 736	1 615 980	1 812 012	2 580 743	2	3	2	
		2003.. 6 100 007	1 556 800	1 814 525	2 728 683	7 126 807	1 873 506	1 994 396	3 258 904	1	2	2	1
		2002.. 7 302 095	1 922 831	2 040 683	3 338 581	6 792 948	1 828 593	2 040 087	2 924 268	X	X	X	X
33321	Sawmill and woodworking machinery manufacturing	2005.. 165 171	49 843	40 152	75 176	168 414	45 007	36 836	86 572	4	5	10	9
		2004.. 169 998	44 364	38 009	87 625	176 640	53 705	38 269	84 666	4	5	10	8
		2003.. 183 454	54 937	45 106	83 410	168 706	48 960	42 927	76 820	3	3	5	5
		2002.. 169 396	47 261	42 736	79 399	196 183	60 014	53 958	82 211	X	X	X	X
333210	Sawmill and woodworking machinery manufacturing	2005.. 165 171	49 843	40 152	75 176	168 414	45 007	36 836	86 572	4	5	10	9
		2004.. 169 998	44 364	38 009	87 625	176 640	53 705	38 269	84 666	4	5	10	8
		2003.. 183 454	54 937	45 106	83 410	168 706	48 960	42 927	76 820	3	3	5	5
		2002.. 169 396	47 261	42 736	79 399	196 183	60 014	53 958	82 211	X	X	X	X
33322	Plastics and rubber industry machinery manufacturing	2005.. 584 658	158 790	222 594	203 275	565 077	162 422	211 249	191 406	2	4	3	2
		2004.. 573 726	168 175	211 350	194 201	577 343	185 122	195 736	196 485	3	4	5	3
		2003.. 595 145	187 725	197 593	209 827	608 718	224 678	159 573	224 467	3	4	3	4
		2002.. 619 312	229 503	162 865	226 944	735 456	246 286	207 725	281 445	X	X	X	X
333220	Plastics and rubber industry machinery manufacturing	2005.. 584 658	158 790	222 594	203 275	565 077	162 422	211 249	191 406	2	4	3	2
		2004.. 573 726	168 175	211 350	194 201	577 343	185 122	195 736	196 485	3	4	5	3
		2003.. 595 145	187 725	197 593	209 827	608 718	224 678	159 573	224 467	3	4	3	4
		2002.. 619 312	229 503	162 865	226 944	735 456	246 286	207 725	281 445	X	X	X	X
33329	Other industrial machinery manufacturing	2005.. 5 626 193	1 608 044	1 553 053	2 465 096	5 635 107	1 582 314	1 592 719	2 460 074	2	3	2	3
		2004.. 5 470 988	1 530 072	1 549 511	2 391 405	5 254 753	1 377 154	1 578 007	2 299 592	2	3	2	2
		2003.. 5 321 409	1 314 138	1 571 826	2 435 446	6 349 382	1 599 868	1 791 896	2 957 617	1	2	2	2
		2002.. 6 513 387	1 646 067	1 835 082	3 032 238	5 861 309	1 522 293	1 778 404	2 560 612	X	X	X	X
333295	Semiconductor machinery manufacturing	2005.. 2 072 674	448 896	458 417	1 165 361	2 296 573	457 062	576 378	1 263 133	2	3	4	2
		2004.. 2 307 605	452 881	581 634	1 273 090	2 147 057	322 733	577 702	1 246 622	2	3	3	2
		2003.. 2 277 393	338 594	641 002	1 297 797	3 207 792	562 328	857 409	1 788 055	2	4	1	2
		2002.. 3 281 202	576 375	880 090	1 824 737	2 477 218	391 200	798 480	1 287 538	X	X	X	X
33329N	Other machinery manufacturing	2005.. 3 553 520	1 159 148	1 094 637	1 299 735	3 338 534	1 125 252	1 016 342	1 196 940	3	4	3	5
		2004.. 3 163 383	1 077 191	967 877	1 118 315	3 107 696	1 054 421	1 000 305	1 052 970	2	4	3	4
		2003.. 3 044 016	975 543	930 824	1 137 648	3 141 590	1 037 540	934 488	1 169 562	2	2	3	2
		2002.. 3 232 185	1 069 692	954 992	1 207 501	3 384 091	1 131 093	979 924	1 273 074	X	X	X	X
3333	Commercial and service industry machinery manufacturing	2005.. 2 969 419	853 391	702 068	1 413 960	2 934 459	869 092	698 764	1 366 603	1	2	2	2
		2004.. 2 896 226	855 843	689 615	1 350 768	2 850 600	824 789	685 298	1 340 512	1	2	2	2
		2003.. 2 974 574	879 577	680 354	1 414 643	2 876 261	834 128	698 160	1 343 974	2	1	5	2
		2002.. 2 971 406	848 974	694 504	1 427 928	3 004 568	820 375	679 404	1 504 789	X	X	X	X
33331	Commercial and service industry machinery manufacturing	2005.. 2 969 419	853 391	702 068	1 413 960	2 934 459	869 092	698 764	1 366 603	1	2	2	2
		2004.. 2 896 226	855 843	689 615	1 350 768	2 850 600	824 789	685 298	1 340 512	1	2	2	2
		2003.. 2 974 574	879 577	680 354	1 414 643	2 876 261	834 128	698 160	1 343 974	2	1	5	2
		2002.. 2 971 406	848 974	694 504	1 427 928	3 004 568	820 375	679 404	1 504 789	X	X	X	X

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Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

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NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—				
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.					
		A	B	C	D	E	F	G	H	A	B	C	D	
333	Machinery manufacturing—Con.													
3333	Commercial and service industry machinery manufacturing—Con.													
33331	Commercial and service industry machinery manufacturing—Con.													
333313	Office machinery manufacturing	2005.. 294 225	104 278	70 773	119 173	292 058	99 702	74 568	117 787	4	11	1	3	
		2004.. 294 729	100 181	74 529	120 018	333 568	100 054	78 092	155 422	4	11	1	2	
		2003.. 302 693	99 952	61 356	141 385	305 141	82 261	71 383	151 498	2	3	5	2	
		2002.. 282 478	69 594	69 076	143 808	299 489	70 353	87 197	141 939	X	X	X	X	
333314	Optical instrument and lens manufacturing	2005.. 558 420	121 659	196 929	239 832	551 647	135 879	194 613	221 156	3	6	6	3	
		2004.. 549 665	135 170	193 997	220 499	473 509	100 944	183 617	188 948	4	6	6	4	
		2003.. 480 146	114 694	164 005	201 448	483 706	117 251	172 550	193 905	7	5	15	5	
		2002.. 499 492	118 179	174 973	206 340	484 234	109 611	171 040	203 583	X	X	X	X	
333315	Photographic and photocopying equipment manufacturing	2005.. 330 369	67 461	41 743	221 165	285 070	77 862	32 167	175 041	2	4	7	3	
		2004.. 286 842	77 864	32 559	176 418	323 985	92 432	36 609	194 944	2	3	7	3	
		2003.. 332 827	86 739	40 283	205 805	287 226	78 781	49 240	159 205	4	6	2	5	
		2002.. 349 358	83 274	47 033	219 051	353 674	62 924	66 093	224 657	X	X	X	X	
33331N	All other commercial and service industry machinery manufacturing	2005.. 1 786 405	559 993	392 623	833 789	1 805 685	555 649	397 417	852 619	2	2	2	3	
		2004.. 1 764 990	542 627	388 531	833 832	1 719 538	531 360	386 980	801 198	2	2	2	3	
		2003.. 1 858 908	578 192	414 710	866 006	1 800 187	555 834	404 987	839 366	2	2	6	2	
		2002.. 1 840 078	577 927	403 422	858 729	1 867 171	577 487	355 074	934 610	X	X	X	X	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2005.. 3 773 184	1 643 844	594 137	1 535 204	3 540 936	1 547 374	563 289	1 430 273	2	1	3	3	
		2004.. 3 513 638	1 540 662	555 213	1 417 763	3 163 259	1 373 560	543 071	1 246 628	2	3	3	3	
		2003.. 3 375 179	1 455 884	586 731	1 332 563	3 279 659	1 365 661	535 740	1 378 258	1	3	2	1	
		2002.. 3 309 807	1 374 638	549 024	1 386 145	3 575 309	1 462 532	616 184	1 496 593	X	X	X	X	
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2005.. 3 773 184	1 643 844	594 137	1 535 204	3 540 936	1 547 374	563 289	1 430 273	2	1	3	3	
		2004.. 3 513 638	1 540 662	555 213	1 417 763	3 163 259	1 373 560	543 071	1 246 628	2	3	3	3	
		2003.. 3 375 179	1 455 884	586 731	1 332 563	3 279 659	1 365 661	535 740	1 378 258	1	3	2	1	
		2002.. 3 309 807	1 374 638	549 024	1 386 145	3 575 309	1 462 532	616 184	1 496 593	X	X	X	X	
333414	Heating equipment (except warm air furnaces) manufacturing	2005.. 593 915	226 691	87 899	279 326	554 488	217 895	92 452	244 141	3	5	8	5	
		2004.. 560 351	223 337	91 733	245 281	479 969	192 771	73 172	214 027	4	6	8	5	
		2003.. 534 952	235 053	78 387	221 512	539 872	226 056	79 241	234 575	5	9	6	3	
		2002.. 535 377	226 530	79 822	229 025	571 123	242 411	82 198	246 514	X	X	X	X	
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	2005.. 2 676 646	1 278 717	401 533	996 396	2 506 640	1 193 815	387 211	925 614	2	2	3	4	
		2004.. 2 477 441	1 187 806	380 241	909 394	2 255 532	1 070 311	387 811	797 411	2	4	3	4	
		2003.. 2 371 959	1 113 935	417 104	840 920	2 249 815	1 028 115	363 663	858 038	2	3	2	3	
		2002.. 2 302 196	1 033 602	369 079	899 515	2 497 370	1 095 025	432 145	970 200	X	X	X	X	
33341N	Ventilation equipment manufacturing	2005.. 502 622	138 437	104 705	259 481	479 809	135 664	83 626	260 519	3	3	6	3	
		2004.. 475 846	129 519	83 239	263 088	427 757	110 479	82 088	235 190	3	2	6	3	
		2003.. 468 268	106 896	91 240	270 132	489 972	111 490	92 836	285 645	2	4	4	3	
		2002.. 472 234	114 506	100 123	257 605	506 816	125 096	101 841	279 879	X	X	X	X	
3335	Metalworking machinery manufacturing	2005.. 4 496 770	1 433 020	2 039 324	1 024 426	4 109 659	1 325 486	1 879 095	905 078	1	2	2	2	
		2004.. 4 115 388	1 317 895	1 895 493	902 001	3 821 975	1 257 142	1 779 937	784 896	1	2	2	2	
		2003.. 4 039 971	1 262 743	1 923 578	853 650	4 246 457	1 346 034	2 016 753	883 670	1	2	2	1	
		2002.. 4 351 164	1 373 363	2 072 345	905 456	4 606 162	1 431 622	2 223 288	951 252	X	X	X	X	
33351	Metalworking machinery manufacturing	2005.. 4 496 770	1 433 020	2 039 324	1 024 426	4 109 659	1 325 486	1 879 095	905 078	1	2	2	2	
		2004.. 4 115 388	1 317 895	1 895 493	902 001	3 821 975	1 257 142	1 779 937	784 896	1	2	2	2	
		2003.. 4 039 971	1 262 743	1 923 578	853 650	4 246 457	1 346 034	2 016 753	883 670	1	2	2	1	
		2002.. 4 351 164	1 373 363	2 072 345	905 456	4 606 162	1 431 622	2 223 288	951 252	X	X	X	X	
333511	Industrial mold manufacturing	2005.. 606 879	118 564	374 062	114 254	533 342	103 073	331 219	99 050	3	14	2	7	
		2004.. 531 541	100 724	333 331	97 486	540 949	122 809	326 575	91 565	2	5	2	5	
		2003.. 527 692	90 015	344 294	93 382	584 814	113 912	368 743	102 160	5	25	3	4	
		2002.. 595 520	114 562	378 116	102 842	620 963	128 534	382 180	110 249	X	X	X	X	
333512	Machine tool (metal cutting types) manufacturing	2005.. 987 352	319 153	346 427	321 772	873 450	272 577	307 172	293 701	4	7	5	2	
		2004.. 842 346	265 648	293 157	283 541	727 316	251 109	275 303	200 903	4	8	6	3	
		2003.. 813 961	241 058	359 065	213 837	880 054	257 702	406 567	215 786	2	4	4	4	
		2002.. 902 264	265 303	413 623	223 338	989 676	305 905	446 031	237 740	X	X	X	X	
333513	Machine tool (metal forming types) manufacturing	2005.. 302 055	106 105	125 525	70 425	276 339	97 459	119 194	59 686	3	4	3	5	
		2004.. 272 753	93 927	121 299	57 528	253 427	84 713	108 346	60 367	3	3	3	8	
		2003.. 272 550	102 205	109 426	60 920	274 971	99 401	113 730	61 840	3	3	4	5	
		2002.. 255 239	92 617	106 341	56 281	262 664	100 913	98 470	63 281	X	X	X	X	

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		A	B	C	D	E	F	G	H	A	B	C	D	
333	Machinery manufacturing—Con.													
3335	Metalworking machinery manufacturing—Con.													
33351	Metalworking machinery manufacturing—Con.													
333514	Special die and tool, die set, jig, and fixture manufacturing	2005.. 1 137 349	323 754	622 117	191 478	1 041 952	294 346	584 425	163 180	2	3	3	6	
		2004.. 991 686	268 604	567 397	155 684	972 242	238 167	586 387	147 688	2	3	2	7	
		2003.. 990 851	241 695	574 594	174 561	998 442	247 450	572 540	178 452	4	8	6	3	
		2002.. 1 015 038	256 461	576 961	181 616	1 021 336	235 768	610 335	175 233	X	X	X	X	
333515	Cutting tool and machine tool accessory manufacturing	2005.. 864 374	452 918	187 351	224 106	839 269	460 096	189 417	189 756	2	3	5	3	
		2004.. 865 503	482 646	193 260	189 596	811 208	456 663	177 031	177 514	2	2	5	3	
		2003.. 845 776	481 122	187 828	176 826	903 047	518 682	197 836	186 528	1	1	2	2	
		2002.. 940 337	530 971	207 822	201 544	999 761	551 972	221 348	226 441	X	X	X	X	
333516	Rolling mill machinery and equipment manufacturing	2005.. 132 139	20 069	76 816	35 254	107 471	21 148	59 015	27 309	6	28	5	5	
		2004.. 105 082	20 305	58 371	26 407	79 161	18 919	47 708	12 534	7	28	6	3	
		2003.. 132 293	27 006	54 137	51 149	158 759	28 016	69 541	61 202	2	2	5	1	
		2002.. 157 907	27 857	68 950	61 100	166 916	25 160	80 756	61 000	X	X	X	X	
333518	Other metalworking machinery manufacturing	2005.. 466 623	92 459	307 027	67 137	437 835	76 787	288 652	72 396	7	11	7	10	
		2004.. 506 477	86 042	328 678	91 758	437 673	84 761	258 587	94 324	5	8	6	10	
		2003.. 456 848	79 641	294 234	82 974	446 370	80 872	287 796	77 702	4	7	5	4	
		2002.. 484 859	85 592	320 532	78 735	544 846	83 370	384 168	77 308	X	X	X	X	
3336	Engine, turbine, and power transmission equipment manufacturing	2005.. 4 786 295	1 407 839	1 339 038	2 039 418	4 226 224	1 172 914	1 371 644	1 681 666	2	6	1	1	
		2004.. 4 221 789	1 175 520	1 378 337	1 667 932	4 286 145	1 179 174	1 301 209	1 805 762	1	2	1	1	
		2003.. 4 329 287	1 194 154	1 301 923	1 833 210	4 541 589	1 280 966	1 482 109	1 778 513	1	1	1	1	
		2002.. 4 560 169	1 246 724	1 505 898	1 807 547	4 855 728	1 162 959	2 255 587	1 437 182	X	X	X	X	
33361	Engine, turbine, and power transmission equipment manufacturing	2005.. 4 786 295	1 407 839	1 339 038	2 039 418	4 226 224	1 172 914	1 371 644	1 681 666	2	6	1	1	
		2004.. 4 221 789	1 175 520	1 378 337	1 667 932	4 286 145	1 179 174	1 301 209	1 805 762	1	2	1	1	
		2003.. 4 329 287	1 194 154	1 301 923	1 833 210	4 541 589	1 280 966	1 482 109	1 778 513	1	1	1	1	
		2002.. 4 560 169	1 246 724	1 505 898	1 807 547	4 855 728	1 162 959	2 255 587	1 437 182	X	X	X	X	
333611	Turbine and turbine generator set unit manufacturing	2005.. 1 089 114	210 268	296 874	581 973	1 043 237	185 843	430 759	426 635	8	40	2	1	
		2004.. 1 024 947	177 485	424 281	423 181	1 412 907	272 269	403 461	737 177	2	9	3	1	
		2003.. 1 411 490	273 473	402 947	735 071	1 615 956	235 187	592 249	788 520	1	2	3	1	
		2002.. 1 606 727	175 773	642 317	788 637	1 923 701	141 237	1 276 233	506 231	X	X	X	X	
333612	Speed changer, industrial high-speed drive, and gear manufacturing	2005.. 460 055	172 696	139 609	147 749	433 691	173 866	119 719	140 106	3	4	5	5	
		2004.. 450 689	182 253	124 046	144 390	416 620	169 380	110 439	136 802	3	3	5	5	
		2003.. 431 034	174 942	114 936	141 156	418 305	156 173	121 775	140 357	1	1	2	2	
		2002.. 439 606	166 482	129 207	143 917	456 761	176 050	133 491	147 220	X	X	X	X	
333613	Mechanical power transmission equipment manufacturing	2005.. 544 091	266 326	146 628	131 137	519 697	270 051	134 787	114 859	3	4	3	6	
		2004.. 517 514	271 190	135 409	110 915	524 456	271 099	148 052	105 305	1	2	1	3	
		2003.. 533 972	273 208	144 180	116 584	519 374	286 018	130 245	103 111	3	4	7	7	
		2002.. 541 657	285 553	145 536	110 568	576 412	301 456	150 885	124 071	X	X	X	X	
333618	Other engine equipment manufacturing	2005.. 2 693 035	758 549	755 927	1 178 559	2 229 599	543 153	686 380	1 000 066	1	3	1	1	
		2004.. 2 228 638	544 592	694 600	989 446	1 932 163	466 427	639 258	826 479	1	4	1	1	
		2003.. 1 952 791	472 531	639 861	840 399	1 987 954	603 588	637 840	746 526	1	1	1	1	
		2002.. 1 972 179	618 916	588 838	764 425	1 898 854	544 216	694 778	659 660	X	X	X	X	
3339	Other general purpose machinery manufacturing	2005.. 11 504 410	3 505 494	3 309 765	4 689 152	10 444 235	3 359 756	3 061 312	4 023 167	1	2	2	1	
		2004.. 10 271 808	3 275 027	2 995 254	4 001 528	9 673 892	3 049 056	3 214 004	3 410 832	1	2	1	1	
		2003.. 10 063 250	3 144 922	3 318 109	3 600 219	10 057 296	3 207 535	3 304 007	3 545 754	2	1	3	4	
		2002.. 10 082 680	3 115 825	3 393 833	3 573 022	10 265 219	3 251 196	3 267 567	3 746 456	X	X	X	X	
33391	Pump and compressor manufacturing	2005.. 2 584 510	1 006 067	625 737	952 706	2 425 041	1 046 641	513 231	865 169	3	5	2	3	
		2004.. 2 407 291	1 045 912	505 971	855 407	2 310 886	955 427	564 167	791 292	4	6	2	5	
		2003.. 2 532 762	963 103	629 851	939 808	2 355 790	953 485	637 728	764 577	9	3	16	14	
		2002.. 2 323 475	919 412	579 387	824 676	2 333 801	967 403	519 324	847 074	X	X	X	X	
333911	Pump and pumping equipment manufacturing	2005.. 1 444 764	569 148	270 269	605 347	1 321 403	569 699	228 650	523 054	1	2	4	2	
		2004.. 1 304 663	569 055	225 246	510 362	1 262 254	538 222	241 857	482 175	2	2	4	2	
		2003.. 1 274 618	565 646	219 893	489 079	1 251 100	529 916	227 514	493 671	2	4	7	3	
		2002.. 1 224 856	506 640	220 817	497 399	1 264 473	547 300	208 897	508 276	X	X	X	X	
333912	Air and gas compressor manufacturing	2005.. 1 025 091	400 785	329 199	295 107	992 980	440 304	262 978	289 697	7	12	1	8	
		2004.. 1 000 377	445 315	260 969	294 092	939 326	378 343	298 711	262 272	10	14	2	13	
		2003.. 1 130 511	351 854	384 640	394 018	970 918	378 590	383 207	209 120	21	5	25	34	
		2002.. 970 878	370 844	332 789	267 245	930 999	374 194	276 258	280 547	X	X	X	X	
333913	Measuring and dispensing pump manufacturing	2005.. 114 655	36 135	26 269	52 252	110 658	36 637	21 603	52 418	2	1	2	3	
		2004.. 102 251	31 542	19 756	50 953	109 306	38 862	23 599	46 844	2	1	4	3	
		2003.. 127 632	45 603	25 318	56 711	133 772	44 979	27 007	61 786	1	2	1	1	
		2002.. 127 741	41 928	25 781	60 032	138 329	45 909	34 169	58 251	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—				
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.					
		A	B	C	D	E	F	G	H	A	B	C	D	
333	Machinery manufacturing—Con.													
3339	Other general purpose machinery manufacturing—Con.													
33392	Material handling equipment manufacturing	2005..	2 563 006	730 596	476 460	1 355 949	2 339 381	645 783	457 404	1 236 194	2	3	6	2
		2004..	2 350 641	644 798	472 166	1 233 676	2 043 827	620 502	393 931	1 029 393	2	4	6	2
		2003..	2 113 934	668 102	387 048	1 058 784	2 265 382	713 532	439 795	1 112 055	2	3	3	2
		2002..	2 198 510	698 857	442 983	1 056 670	2 282 970	731 857	491 700	1 059 413	X	X	X	X
33392M	Material handling equipment manufacturing	2005..	2 563 006	730 596	476 460	1 355 949	2 339 381	645 783	457 404	1 236 194	2	3	6	2
		2004..	2 350 641	644 798	472 166	1 233 676	2 043 827	620 502	393 931	1 029 393	2	4	6	2
		2003..	2 113 934	668 102	387 048	1 058 784	2 265 382	713 532	439 795	1 112 055	2	3	3	2
		2002..	2 198 510	698 857	442 983	1 056 670	2 282 970	731 857	491 700	1 059 413	X	X	X	X
33399	All other general purpose machinery manufacturing	2005..	6 356 894	1 768 830	2 207 568	2 380 497	5 679 814	1 667 332	2 090 678	1 921 804	1	2	2	2
		2004..	5 513 877	1 584 316	2 017 116	1 912 445	5 319 180	1 473 128	2 255 905	1 590 147	1	1	1	1
		2003..	5 416 554	1 513 717	2 301 210	1 601 627	5 436 125	1 540 518	2 226 484	1 669 122	1	2	1	1
		2002..	5 560 695	1 497 556	2 371 463	1 691 676	5 648 448	1 551 936	2 256 543	1 839 969	X	X	X	X
333991	Power-driven hand tool manufacturing	2005..	410 764	196 987	81 498	132 280	397 065	213 150	65 619	118 296	2	4	9	3
		2004..	370 801	204 457	57 541	108 803	364 145	194 267	59 611	110 267	2	4	5	1
		2003..	380 944	211 555	75 364	94 024	390 987	218 157	80 309	92 521	1	1	2	1
		2002..	363 751	199 811	73 742	90 198	373 661	209 550	73 889	90 222	X	X	X	X
333993	Packaging machinery manufacturing	2005..	793 456	254 317	281 852	257 287	745 792	240 024	280 932	224 835	3	3	4	4
		2004..	742 479	233 850	275 347	233 282	736 441	211 809	274 320	250 312	3	3	4	4
		2003..	804 952	233 000	284 517	287 435	810 841	235 964	267 047	307 829	2	4	5	2
		2002..	803 546	238 273	264 130	301 143	843 491	247 609	275 495	320 887	X	X	X	X
333994	Industrial process furnace and oven manufacturing	2005..	259 330	36 433	104 441	118 456	232 647	33 317	91 344	107 985	5	15	6	5
		2004..	236 242	34 862	92 603	108 778	219 614	39 151	76 348	104 115	5	13	6	5
		2003..	227 896	38 913	75 151	113 832	237 415	42 153	76 005	119 258	5	8	7	4
		2002..	244 742	44 925	79 345	120 472	285 616	47 981	85 359	152 276	X	X	X	X
33399N	Fluid power equipment manufacturing	2005..	1 482 587	464 466	418 569	599 552	1 312 792	424 934	397 934	489 924	2	1	4	2
		2004..	1 283 968	399 973	392 620	491 375	1 125 244	371 347	326 948	426 949	2	2	4	2
		2003..	1 028 028	295 969	352 299	379 760	1 063 788	294 584	382 724	386 480	1	1	1	1
		2002..	1 054 735	288 331	382 074	384 330	1 082 567	266 634	429 774	386 159	X	X	X	X
33399P	All other miscellaneous general purpose machinery manufacturing	2005..	3 410 757	816 628	1 321 208	1 272 922	2 991 518	755 907	1 254 849	980 763	2	3	3	3
		2004..	2 880 386	711 174	1 199 006	970 206	2 873 735	656 554	1 518 677	698 504	1	2	1	2
		2003..	2 974 736	734 280	1 513 879	726 576	2 933 093	749 660	1 420 399	763 034	1	4	2	2
		2002..	3 093 921	726 216	1 572 172	795 533	3 063 113	780 162	1 392 026	890 925	X	X	X	X
334	Computer and electronic product manufacturing	2005..	38 817 795	8 993 894	14 481 791	15 342 110	37 476 590	8 665 840	13 577 143	15 233 607	1	1	1	1
		2004..	41 597 278	8 574 953	17 586 595	15 435 730	39 778 635	8 270 320	16 451 330	15 056 984	1	1	1	1
		2003..	42 633 373	8 957 064	17 933 760	15 742 550	43 097 190	9 166 474	16 840 930	17 089 786	1	1	1	1
		2002..	44 606 502	9 783 340	17 084 876	17 738 286	49 428 458	11 708 765	17 689 594	20 030 099	X	X	X	X
3341	Computer and peripheral equipment manufacturing	2005..	4 104 802	1 305 505	1 256 634	1 542 663	4 121 920	1 233 216	1 274 576	1 614 129	1	2	1	2
		2004..	3 954 537	1 061 592	1 268 698	1 624 248	4 112 130	998 455	1 163 708	1 949 967	2	7	1	2
		2003..	4 604 901	1 228 234	1 274 129	2 102 539	4 860 325	1 051 556	1 491 459	2 317 312	1	2	1	1
		2002..	5 274 391	1 160 168	1 499 098	2 615 125	5 290 487	1 340 928	1 485 657	2 463 902	X	X	X	X
33411	Computer and peripheral equipment manufacturing	2005..	4 104 802	1 305 505	1 256 634	1 542 663	4 121 920	1 233 216	1 274 576	1 614 129	1	2	1	2
		2004..	3 954 537	1 061 592	1 268 698	1 624 248	4 112 130	998 455	1 163 708	1 949 967	2	7	1	2
		2003..	4 604 901	1 228 234	1 274 129	2 102 539	4 860 325	1 051 556	1 491 459	2 317 312	1	2	1	1
		2002..	5 274 391	1 160 168	1 499 098	2 615 125	5 290 487	1 340 928	1 485 657	2 463 902	X	X	X	X
334111	Electronic computer manufacturing	2005..	1 108 144	233 767	234 464	639 913	1 264 205	209 089	271 018	784 098	1	1	1	1
		2004..	1 258 843	204 943	267 275	786 625	1 576 100	210 593	256 840	1 108 667	1	1	1	1
		2003..	1 731 583	246 834	295 232	1 189 517	1 961 328	237 671	372 226	1 351 431	1	1	1	1
		2002..	1 961 676	235 807	373 929	1 351 940	1 818 757	352 896	442 926	1 022 935	X	X	X	X
334112	Computer storage device manufacturing	2005..	1 038 043	287 858	520 287	229 898	783 101	147 746	436 052	199 302	4	9	3	6
		2004..	776 863	147 249	436 130	193 484	826 943	218 098	396 211	212 634	5	12	3	4
		2003..	1 004 145	323 381	449 439	231 325	1 077 428	276 362	573 773	227 293	1	2	1	3
		2002..	1 206 851	291 451	578 206	337 194	1 211 131	312 808	515 216	383 107	X	X	X	X
334113	Computer terminal manufacturing	2005..	27 601	6 900	4 232	16 470	22 308	10 857	4 310	7 141	10	43	24	5
		2004..	22 809	10 977	4 361	7 471	27 728	9 193	7 843	10 692	5	37	16	36
		2003..	23 626	6 216	5 707	11 704	48 920	16 914	7 877	24 129	17	8	7	27
		2002..	48 779	17 473	7 776	23 530	60 914	16 819	12 774	31 321	X	X	X	X
334119	Other computer peripheral equipment manufacturing	2005..	1 931 015	776 981	497 651	656 383	2 052 307	865 523	563 196	623 588	2	2	1	5
		2004..	1 896 023	698 423	560 931	636 668	1 681 360	560 571	502 814	617 975	4	11	1	5
		2003..	1 845 547	651 803	523 751	669 993	1 772 651	520 608	537 584	714 459	3	3	2	4
		2002..	2 057 085	615 437	539 187	902 461	2 199 685	658 405	514 741	1 026 539	X	X	X	X

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		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D		
		A	B	C	D	E	F	G	H	A	B	C	D		
334	Computer and electronic product manufacturing—Con.														
3342	Communications equipment manufacturing	2005.. 7 295 688	1 857 352	2 578 036	2 860 300	7 148 880	1 936 584	2 139 673	3 072 623	3	5	2	4		
		2004.. 10 560 210	1 913 453	5 478 603	3 168 155	9 914 014	2 011 409	4 876 932	3 025 673	1	4	1	3		
		2003.. 10 545 812	2 291 703	5 128 707	3 125 403	10 819 092	2 449 814	4 799 680	3 569 598	1	2	1	3		
		2002.. 11 328 810	2 722 333	4 821 628	3 784 849	13 315 929	3 865 686	4 189 823	5 260 420	X	X	X	X		
33421	Telephone apparatus manufacturing	2005.. 2 450 652	928 944	375 877	1 145 831	2 427 185	941 586	376 293	1 109 307	6	7	8	6		
		2004.. 2 368 730	957 947	367 087	1 043 696	2 482 215	1 006 568	396 623	1 079 024	3	3	4	3		
		2003.. 2 580 876	1 074 451	405 139	1 101 286	2 651 320	1 059 284	381 171	1 210 865	5	2	6	8		
		2002.. 3 267 443	1 347 250	452 675	1 467 518	5 558 421	1 963 531	827 673	2 767 217	X	X	X	X		
334210	Telephone apparatus manufacturing	2005.. 2 450 652	928 944	375 877	1 145 831	2 427 185	941 586	376 293	1 109 307	6	7	8	6		
		2004.. 2 368 730	957 947	367 087	1 043 696	2 482 215	1 006 568	396 623	1 079 024	3	3	4	3		
		2003.. 2 580 876	1 074 451	405 139	1 101 286	2 651 320	1 059 284	381 171	1 210 865	5	2	6	8		
		2002.. 3 267 443	1 347 250	452 675	1 467 518	5 558 421	1 963 531	827 673	2 767 217	X	X	X	X		
33422	Radio and television broadcasting and wireless communications equipment manufacturing	2005.. 4 311 285	780 846	2 117 216	1 413 223	4 203 653	856 565	1 686 373	1 660 714	3	9	2	5		
		2004.. 7 657 351	812 950	5 032 714	1 811 687	6 911 158	863 609	4 400 319	1 647 229	2	9	1	4		
		2003.. 7 294 062	1 009 159	4 629 745	1 655 157	7 379 627	1 139 009	4 316 448	1 924 170	1	3	1	2		
		2002.. 7 259 678	1 118 062	4 264 528	1 877 088	6 981 458	1 678 047	3 263 778	2 039 633	X	X	X	X		
334220	Radio and television broadcasting and wireless communications equipment manufacturing	2005.. 4 311 285	780 846	2 117 216	1 413 223	4 203 653	856 565	1 686 373	1 660 714	3	9	2	5		
		2004.. 7 657 351	812 950	5 032 714	1 811 687	6 911 158	863 609	4 400 319	1 647 229	2	9	1	4		
		2003.. 7 294 062	1 009 159	4 629 745	1 655 157	7 379 627	1 139 009	4 316 448	1 924 170	1	3	1	2		
		2002.. 7 259 678	1 118 062	4 264 528	1 877 088	6 981 458	1 678 047	3 263 778	2 039 633	X	X	X	X		
33429	Other communications equipment manufacturing	2005.. 533 751	147 562	84 943	301 246	518 042	138 433	77 007	302 602	3	3	4	3		
		2004.. 534 129	142 556	78 802	312 771	520 642	141 231	79 991	299 420	2	2	2	2		
		2003.. 670 874	208 092	93 823	368 959	788 146	251 522	102 061	434 563	2	2	9	4		
		2002.. 801 689	257 021	104 425	440 243	776 050	224 108	98 372	453 570	X	X	X	X		
334290	Other communications equipment manufacturing	2005.. 533 751	147 562	84 943	301 246	518 042	138 433	77 007	302 602	3	3	4	3		
		2004.. 534 129	142 556	78 802	312 771	520 642	141 231	79 991	299 420	2	2	2	2		
		2003.. 670 874	208 092	93 823	368 959	788 146	251 522	102 061	434 563	2	2	9	4		
		2002.. 801 689	257 021	104 425	440 243	776 050	224 108	98 372	453 570	X	X	X	X		
3343	Audio and video equipment manufacturing	2005.. 900 673	316 859	128 932	454 881	834 307	274 603	184 064	375 639	4	4	9	4		
		2004.. 837 837	282 100	172 199	383 538	703 039	237 499	111 849	353 690	4	3	7	5		
		2003.. 759 823	281 422	74 135	404 266	767 460	296 365	100 735	370 359	2	3	4	2		
		2002.. 790 089	302 950	103 532	383 607	803 652	299 848	83 452	420 352	X	X	X	X		
33431	Audio and video equipment manufacturing	2005.. 900 673	316 859	128 932	454 881	834 307	274 603	184 064	375 639	4	4	9	4		
		2004.. 837 837	282 100	172 199	383 538	703 039	237 499	111 849	353 690	4	3	7	5		
		2003.. 759 823	281 422	74 135	404 266	767 460	296 365	100 735	370 359	2	3	4	2		
		2002.. 790 089	302 950	103 532	383 607	803 652	299 848	83 452	420 352	X	X	X	X		
334310	Audio and video equipment manufacturing	2005.. 900 673	316 859	128 932	454 881	834 307	274 603	184 064	375 639	4	4	9	4		
		2004.. 837 837	282 100	172 199	383 538	703 039	237 499	111 849	353 690	4	3	7	5		
		2003.. 759 823	281 422	74 135	404 266	767 460	296 365	100 735	370 359	2	3	4	2		
		2002.. 790 089	302 950	103 532	383 607	803 652	299 848	83 452	420 352	X	X	X	X		
3344	Semiconductor and other electronic component manufacturing	2005.. 11 620 934	1 990 805	5 202 044	4 428 086	11 000 265	1 905 334	4 862 442	4 232 489	1	3	1	2		
		2004.. 11 185 256	2 086 910	4 832 535	4 265 811	10 768 344	1 941 619	4 697 009	4 129 716	1	3	1	2		
		2003.. 11 765 885	2 173 877	5 108 738	4 483 270	12 144 461	2 302 174	4 885 948	4 956 340	1	1	1	1		
		2002.. 12 458 940	2 425 617	5 014 396	5 018 927	13 675 553	2 763 498	5 278 192	5 633 863	X	X	X	X		
33441	Semiconductor and other electronic component manufacturing	2005.. 11 620 934	1 990 805	5 202 044	4 428 086	11 000 265	1 905 334	4 862 442	4 232 489	1	3	1	2		
		2004.. 11 185 256	2 086 910	4 832 535	4 265 811	10 768 344	1 941 619	4 697 009	4 129 716	1	3	1	2		
		2003.. 11 765 885	2 173 877	5 108 738	4 483 270	12 144 461	2 302 174	4 885 948	4 956 340	1	1	1	1		
		2002.. 12 458 940	2 425 617	5 014 396	5 018 927	13 675 553	2 763 498	5 278 192	5 633 863	X	X	X	X		
334411	Electron tube manufacturing	2005.. 210 885	43 725	89 309	77 852	215 659	49 650	85 477	80 532	3	1	2	7		
		2004.. 215 173	49 689	85 025	80 459	228 289	72 193	89 023	67 073	2	1	1	4		
		2003.. 292 988	127 127	90 454	75 407	301 437	134 008	82 152	85 276	1	1	1	1		
		2002.. 305 517	134 050	87 303	84 164	353 207	158 923	88 988	105 296	X	X	X	X		
334412	Bare printed circuit board manufacturing	2005.. 460 795	65 203	147 214	248 378	467 033	82 638	147 280	237 115	4	8	3	6		
		2004.. 550 521	91 127	194 002	265 392	503 731	91 523	164 654	247 554	2	4	2	4		
		2003.. 521 858	105 686	136 023	280 149	541 717	102 967	154 901	283 849	3	4	14	4		
		2002.. 659 922	120 754	208 986	330 182	710 823	107 934	224 622	378 267	X	X	X	X		
334413	Semiconductor and related device manufacturing	2005.. 5 519 911	935 499	3 605 359	979 053	5 037 372	854 204	3 352 997	830 171	2	5	1	6		
		2004.. 4 996 063	852 089	3 337 273	806 701	4 840 801	793 167	3 326 254	721 379	3	6	2	7		
		2003.. 5 383 229	985 914	3 562 577	834 737	5 411 647	1 045 798	3 327 508	1 038 341	1	1	1	3		
		2002.. 5 517 659	1 106 164	3 361 800	1 049 695	5 584 134	1 175 793	3 400 647	1 007 694	X	X	X	X		

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		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
334	Computer and electronic product manufacturing—Con.													
3344	Semiconductor and other electronic component manufacturing—Con.													
33441	Semiconductor and other electronic component manufacturing—Con.													
334414	Electronic capacitor manufacturing													
		2005..	222 539	60 799	55 771	105 969	313 011	65 623	68 349	179 039				
		2004..	316 844	67 893	67 583	181 368	305 084	58 256	59 354	187 474	4	5	4	4
		2003..	315 840	60 687	60 165	194 988	374 187	74 169	70 812	229 205	4	5	3	5
		2002..	403 525	83 703	84 066	235 756	524 117	141 599	93 051	289 467	X	X	X	X
334415	Electronic resistor manufacturing													
		2005..	115 890	32 934	40 374	42 581	111 890	36 575	38 003	37 312	4	3	6	6
		2004..	122 945	38 340	40 486	44 119	121 611	39 653	41 759	40 199	2	3	3	1
		2003..	127 645	41 937	43 682	42 025	141 317	51 899	44 724	44 694	1	2	2	1
		2002..	120 744	43 333	36 424	40 987	144 815	55 678	42 681	46 456	X	X	X	X
334416	Electronic coil, transformer, and other inductor manufacturing													
		2005..	202 185	74 706	37 578	89 901	185 948	66 858	31 264	87 826	11	23	6	6
		2004..	193 840	68 977	31 913	92 949	166 091	48 223	29 981	87 187	9	19	4	6
		2003..	169 009	49 709	32 814	86 486	166 676	49 278	31 033	86 365	2	3	1	2
		2002..	155 388	48 824	27 672	78 892	178 869	57 968	26 788	94 113	X	X	X	X
334417	Electronic connector manufacturing													
		2005..	577 416	134 201	143 512	299 703	535 163	113 293	111 631	310 239	3	9	3	2
		2004..	542 970	113 906	112 065	316 999	550 392	111 757	134 914	303 722	3	11	3	2
		2003..	551 762	135 840	135 183	280 739	607 011	148 896	146 015	312 100	1	1	2	2
		2002..	599 140	147 146	143 770	308 224	658 483	176 097	165 419	316 967	X	X	X	X
334418	Printed circuit assembly (electronic assembly) manufacturing													
		2005..	2 896 602	381 882	723 060	1 781 661	2 741 364	351 167	673 883	1 716 315	2	2	3	2
		2004..	2 861 249	516 838	622 210	1 722 202	2 734 524	477 556	527 049	1 729 919	2	2	2	2
		2003..	2 927 457	373 803	673 402	1 880 252	3 028 357	398 099	625 335	2 004 923	2	6	5	3
		2002..	3 054 339	421 947	622 616	2 009 776	3 716 914	529 865	751 160	2 435 889	X	X	X	X
334419	Other electronic component manufacturing													
		2005..	1 424 710	261 854	359 867	802 988	1 392 825	285 326	353 558	753 941	2	5	3	2
		2004..	1 385 651	288 050	341 978	755 623	1 317 821	248 591	324 020	745 209	2	4	3	2
		2003..	1 476 098	293 174	374 438	808 486	1 572 113	297 060	403 467	871 586	2	3	3	2
		2002..	1 642 706	319 696	441 759	881 251	1 804 191	359 641	484 836	959 714	X	X	X	X
3345	Navigational, measuring, electromedical, and control instruments manufacturing													
		2005..	14 449 969	3 365 086	5 220 544	5 864 338	13 942 426	3 171 575	5 016 018	5 754 833	1	1	2	3
		2004..	14 609 688	3 085 083	5 732 830	5 791 775	13 833 075	2 930 997	5 515 434	5 386 645	1	1	1	2
		2003..	14 555 878	2 896 308	6 276 031	5 383 539	14 103 537	2 976 484	5 491 008	5 636 044	1	1	1	1
		2002..	14 361 349	3 076 513	5 576 823	5 708 013	15 900 453	3 317 490	6 582 609	6 000 354	X	X	X	X
33451	Navigational, measuring, medical, and control instruments manufacturing													
		2005..	14 449 969	3 365 086	5 220 544	5 864 338	13 942 426	3 171 575	5 016 018	5 754 833	1	1	2	3
		2004..	14 609 688	3 085 083	5 732 830	5 791 775	13 833 075	2 930 997	5 515 434	5 386 645	1	1	1	2
		2003..	14 555 878	2 896 308	6 276 031	5 383 539	14 103 537	2 976 484	5 491 008	5 636 044	1	1	1	1
		2002..	14 361 349	3 076 513	5 576 823	5 708 013	15 900 453	3 317 490	6 582 609	6 000 354	X	X	X	X
334510	Electromedical and electrotherapeutic apparatus manufacturing													
		2005..	2 005 937	765 082	331 935	908 919	1 836 013	697 942	306 427	831 644	3	3	4	6
		2004..	1 759 188	649 002	293 588	816 598	1 881 641	657 367	333 686	890 588	3	1	3	5
		2003..	1 977 748	675 574	373 845	928 329	2 065 014	679 961	465 404	919 648	1	1	1	1
		2002..	2 099 875	693 269	482 354	924 252	2 188 106	790 487	492 066	905 553	X	X	X	X
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing													
		2005..	4 642 526	366 340	3 408 333	867 853	4 503 277	360 160	3 320 658	822 460	2	7	2	4
		2004..	5 149 349	341 367	4 002 834	805 149	4 754 323	335 054	3 690 606	728 663	2	8	2	5
		2003..	5 449 686	275 349	4 349 036	825 301	4 537 843	320 000	3 360 041	857 802	1	3	1	2
		2002..	4 667 835	367 142	3 429 322	871 371	5 779 803	430 430	4 290 073	1 059 300	X	X	X	X
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use													
		2005..	246 861	80 282	59 272	107 307	257 059	83 761	52 780	120 518	2	2	5	3
		2004..	222 882	66 116	47 704	109 062	268 909	71 602	78 694	118 614	3	3	7	2
		2003..	281 663	72 278	80 798	128 587	295 661	76 334	112 630	106 697	2	1	5	1
		2002..	315 055	91 445	115 796	107 814	371 956	114 464	126 764	130 728	X	X	X	X
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables													
		2005..	1 159 538	280 124	214 236	665 178	1 194 936	292 169	190 243	712 523	3	3	3	4
		2004..	1 128 233	284 931	181 953	661 350	1 070 636	260 915	181 744	627 976	2	2	4	4
		2003..	1 122 522	292 107	228 220	602 195	1 169 909	270 980	251 474	647 454	2	2	3	2
		2002..	1 142 169	253 301	214 874	673 994	1 191 537	276 498	264 452	650 587	X	X	X	X
334514	Totalizing fluid meter and counting device manufacturing													
		2005..	381 522	70 089	93 817	217 615	337 172	63 437	91 578	182 157	1	8	3	2
		2004..	334 212	65 816	92 335	176 061	306 571	52 090	94 046	160 435	1	8	2	2
		2003..	265 481	35 467	90 518	139 495	338 162	64 800	101 924	171 438	9	45	8	11
		2002..	335 882	62 164	103 456	170 262	347 874	72 512	90 692	184 670	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—			
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
334	Computer and electronic product manufacturing—Con.												
3345	Navigational, measuring, electromedical, and control instruments manufacturing—Con.												
33451	Navigational, measuring, medical, and control instruments manufacturing—Con.												
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2005.. 1 832 643	388 579	310 766	1 133 298	2 109 601	407 801	370 761	1 331 039	7	2	3	12
		2004.. 2 361 328	447 344	437 308	1 476 676	2 308 260	480 624	457 754	1 369 882	4	2	2	6
		2003.. 2 352 270	511 330	479 070	1 361 870	2 544 706	527 057	530 550	1 487 099	1	2	1	2
		2002.. 2 464 758	515 077	522 693	1 426 988	2 661 854	620 394	630 701	1 410 759	X	X	X	X
334516	Analytical laboratory instrument manufacturing	2005.. 1 485 492	550 364	212 133	722 996	1 406 623	547 960	175 906	682 757	2	2	4	3
		2004.. 1 403 799	539 532	178 329	685 937	1 233 975	453 183	169 689	611 103	1	1	3	2
		2003.. 1 196 364	408 855	163 682	623 827	1 151 127	390 895	146 741	613 491	2	4	4	3
		2002.. 1 174 273	405 204	155 309	613 760	1 226 282	340 708	163 160	722 414	X	X	X	X
334517	Irradiation apparatus manufacturing	2005.. 1 141 757	363 280	173 750	604 726	922 297	280 150	150 773	491 374	2	1	2	3
		2004.. 889 104	269 113	140 167	479 824	803 164	250 666	174 940	377 558	2	1	2	3
		2003.. 673 713	237 866	139 295	296 552	296 935	349 333	153 095	347 507	1	2	2	1
		2002.. 826 803	247 725	181 213	397 865	721 864	201 498	149 615	370 751	X	X	X	X
334518	Watch, clock, and parts manufacturing	2005.. 75 746	37 638	14 650	23 458	86 746	43 788	15 687	27 272	3	2	7	5
		2004.. 86 301	42 725	17 151	26 426	77 486	38 900	15 311	23 275	1	1	4	3
		2003.. 93 130	49 581	18 070	25 479	94 945	47 996	20 209	26 740	5	5	7	6
		2002.. 108 655	58 275	21 471	28 909	91 804	43 209	22 040	26 555	X	X	X	X
334519	Other measuring and controlling device manufacturing	2005.. 1 477 948	463 309	401 651	612 988	1 288 702	394 409	341 204	553 089	4	3	4	8
		2004.. 1 275 292	379 138	341 461	554 693	1 128 110	330 596	318 965	478 549	5	3	4	9
		2003.. 1 143 300	337 901	353 495	451 904	1 156 236	349 127	348 940	458 168	2	3	4	3
		2002.. 1 226 044	382 911	350 335	492 798	1 319 373	427 290	353 046	539 037	X	X	X	X
3346	Manufacturing and reproducing magnetic and optical media	2005.. 445 728	158 287	95 601	191 841	428 792	144 528	100 370	183 894	2	1	2	3
		2004.. 449 750	145 816	101 731	202 203	448 033	150 340	86 399	211 294	2	2	2	3
		2003.. 401 073	85 520	72 021	243 533	402 312	90 080	72 100	240 133	2	6	5	3
		2002.. 392 923	95 759	69 399	227 765	442 384	121 315	69 861	251 208	X	X	X	X
33461	Manufacturing and reproducing magnetic and optical media	2005.. 445 728	158 287	95 601	191 841	428 792	144 528	100 370	183 894	2	1	2	3
		2004.. 449 750	145 816	101 731	202 203	448 033	150 340	86 399	211 294	2	2	2	3
		2003.. 401 073	85 520	72 021	243 533	402 312	90 080	72 100	240 133	2	6	5	3
		2002.. 392 923	95 759	69 399	227 765	442 384	121 315	69 861	251 208	X	X	X	X
334611	Software reproducing	2005.. 41 926	22 596	4 842	14 488	22 250	6 960	4 610	10 680	5	2	11	9
		2004.. 23 878	6 709	5 271	11 898	23 482	6 945	4 659	11 878	14	10	15	15
		2003.. 24 579	8 037	4 192	12 350	24 250	7 180	5 168	11 902	8	16	17	13
		2002.. 26 168	7 120	4 100	14 948	25 581	7 216	4 250	14 115	X	X	X	X
334612	Prerecorded compact disc (except software), tape, and record reproducing	2005.. 186 973	53 062	20 276	113 635	171 101	51 494	22 106	97 501	2	3	5	2
		2004.. 168 989	50 591	21 327	97 071	168 223	47 078	23 082	98 064	3	3	4	3
		2003.. 194 249	55 001	28 358	110 890	182 467	50 096	27 724	104 648	4	8	5	4
		2002.. 189 088	60 609	26 351	102 128	192 461	59 072	23 126	110 263	X	X	X	X
334613	Magnetic and optical recording media manufacturing	2005.. 216 830	82 629	70 483	63 719	235 441	86 073	73 655	75 713	3	2	2	7
		2004.. 256 883	88 516	75 133	93 234	256 327	96 318	58 657	101 352	3	2	2	5
		2003.. 182 245	22 482	39 471	120 292	195 595	32 805	39 208	123 583	2	10	8	4
		2002.. 177 667	28 030	38 948	110 689	224 342	55 027	42 485	126 830	X	X	X	X
335	Electrical equipment, appliance, and component manufacturing	2005.. 12 413 849	4 494 564	2 529 857	5 389 428	11 957 742	4 401 441	2 508 666	5 047 636	1	1	1	1
		2004.. 11 896 590	4 349 030	2 482 264	5 065 295	11 359 184	4 266 107	2 409 101	4 683 976	1	1	1	1
		2003.. 11 343 314	4 257 055	2 428 261	4 657 997	11 709 920	4 317 272	2 541 660	4 850 987	1	1	1	1
		2002.. 12 100 467	4 443 068	2 704 164	4 953 235	12 613 802	4 609 597	2 900 257	5 103 948	X	X	X	X
3351	Electric lighting equipment manufacturing	2005.. 1 589 942	626 029	222 132	741 781	1 476 955	544 552	244 042	688 361	3	7	3	3
		2004.. 1 479 056	548 258	243 018	687 780	1 411 079	526 848	224 161	660 071	2	3	3	3
		2003.. 1 353 479	510 323	210 201	632 955	1 419 203	522 720	216 703	679 780	3	4	6	3
		2002.. 1 461 957	536 931	229 981	695 045	1 492 786	525 330	225 135	742 321	X	X	X	X
33511	Electric lamp bulb and parts manufacturing	2005.. 235 934	111 460	32 619	91 855	227 425	97 188	33 026	97 211	3	5	4	7
		2004.. 226 482	96 746	32 898	96 838	212 167	94 604	30 306	87 257	3	2	5	6
		2003.. 212 207	98 432	32 077	81 698	213 191	92 314	27 588	93 289	1	3	4	5
		2002.. 213 569	92 439	27 634	93 496	195 019	80 720	24 300	89 999	X	X	X	X
335110	Electric lamp bulb and parts manufacturing	2005.. 235 934	111 460	32 619	91 855	227 425	97 188	33 026	97 211	3	5	4	7
		2004.. 226 482	96 746	32 898	96 838	212 167	94 604	30 306	87 257	3	2	5	6
		2003.. 212 207	98 432	32 077	81 698	213 191	92 314	27 588	93 289	1	3	4	5
		2002.. 213 569	92 439	27 634	93 496	195 019	80 720	24 300	89 999	X	X	X	X

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Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

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NAICS and NAICS- based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—				
		Total	Finished products	Work-in- process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in- process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
335	Electrical equipment, appliance, and component manufacturing—Con.													
3351	Electric lighting equipment manufacturing—Con.													
33512	Lighting fixture manufacturing	2005.. 1 354 008	514 568	189 513	649 927	1 249 530	447 364	211 015	591 151	4	9	3	4	
		2004.. 1 252 574	451 512	210 120	590 942	1 198 912	432 244	193 855	572 813	2	4	3	3	
		2003.. 1 141 272	411 891	178 125	551 257	1 206 012	430 406	189 115	586 491	3	4	7	3	
		2002.. 1 248 388	444 492	202 347	601 549	1 297 767	444 610	200 835	652 322	X	X	X	X	
33512M	Lighting fixture manufacturing	2005.. 1 354 008	514 568	189 513	649 927	1 249 530	447 364	211 015	591 151	4	9	3	4	
		2004.. 1 252 574	451 512	210 120	590 942	1 198 912	432 244	193 855	572 813	2	4	3	3	
		2003.. 1 141 272	411 891	178 125	551 257	1 206 012	430 406	189 115	586 491	3	4	7	3	
		2002.. 1 248 388	444 492	202 347	601 549	1 297 767	444 610	200 835	652 322	X	X	X	X	
3352	Household appliance manufacturing	2005.. 1 633 448	857 841	160 716	614 891	1 737 470	935 243	203 498	598 730	1	1	2	2	
		2004.. 1 747 754	931 479	203 965	612 310	1 695 295	952 292	197 731	545 272	1	1	2	2	
		2003.. 1 703 574	958 857	202 802	541 915	1 754 377	992 628	214 607	547 141	1	1	1	1	
		2002.. 1 793 199	1 011 626	220 576	560 997	1 827 885	1 051 214	212 072	564 599	X	X	X	X	
33521	Small electrical appliance manufacturing	2005.. 368 376	187 603	39 336	141 437	515 455	311 427	73 597	130 431	1	1	1	1	
		2004.. 511 755	311 787	73 487	126 481	530 101	319 483	87 177	123 441	1	1	1	1	
		2003.. 516 712	311 712	88 480	116 520	514 404	301 596	87 721	125 087	1	1	1	1	
		2002.. 543 995	315 334	93 300	135 361	522 729	292 742	80 582	149 405	X	X	X	X	
33521M	Small electrical appliance manufacturing	2005.. 368 376	187 603	39 336	141 437	515 455	311 427	73 597	130 431	1	1	1	1	
		2004.. 511 755	311 787	73 487	126 481	530 101	319 483	87 177	123 441	1	1	1	1	
		2003.. 516 712	311 712	88 480	116 520	514 404	301 596	87 721	125 087	1	1	1	1	
		2002.. 543 995	315 334	93 300	135 361	522 729	292 742	80 582	149 405	X	X	X	X	
33522	Major appliance manufacturing	2005.. 1 265 072	670 238	121 380	473 454	1 222 015	623 816	129 901	468 299	1	1	3	2	
		2004.. 1 235 999	619 692	130 478	485 829	1 165 194	632 809	110 554	421 831	1	1	4	2	
		2003.. 1 186 863	647 145	114 323	425 395	1 239 972	691 032	126 886	422 054	1	1	2	1	
		2002.. 1 249 204	696 292	127 276	425 636	1 305 156	758 472	131 490	415 194	X	X	X	X	
335221	Household cooking appliance manufacturing	2005.. 432 427	211 800	45 533	175 094	401 917	187 989	49 200	164 727	1	1	1	1	
		2004.. 410 325	178 627	48 880	182 818	371 073	170 251	34 887	165 936	1	2	6	1	
		2003.. 390 220	187 514	33 132	169 573	427 276	227 392	40 195	159 689	2	2	5	2	
		2002.. 431 456	231 934	40 035	159 487	405 929	216 610	39 261	150 058	X	X	X	X	
335222	Household refrigerator and home freezer manufacturing	2005.. 322 982	178 056	24 224	120 702	342 918	198 278	20 718	123 922	5	3	2	8	
		2004.. 335 239	195 460	19 874	119 905	303 804	188 591	20 697	94 516	4	3	1	5	
		2003.. 308 749	188 833	21 424	98 492	348 404	211 630	21 555	115 219	1	2	1	1	
		2002.. 352 034	211 606	21 839	118 589	404 562	250 446	27 842	126 274	X	X	X	X	
335224	Household laundry equipment manufacturing	2005.. 216 971	121 707	23 788	71 476	196 332	96 208	30 277	69 847	1	1	1	1	
		2004.. 192 508	95 928	29 743	66 837	210 180	130 758	24 874	54 548	1	1	1	1	
		2003.. 210 413	126 624	26 288	57 501	231 457	136 277	29 173	66 007	1	1	1	1	
		2002.. 231 746	136 452	29 239	66 055	261 786	164 142	35 487	62 157	X	X	X	X	
335228	Other major household appliance manufacturing	2005.. 292 692	158 675	27 835	106 182	280 849	141 340	29 706	109 803	2	2	14	6	
		2004.. 297 928	149 677	31 981	116 270	280 137	143 209	30 096	106 831	2	2	12	7	
		2003.. 277 481	144 174	33 478	99 829	232 836	115 733	35 963	81 139	1	2	3	3	
		2002.. 233 968	116 300	36 163	81 505	232 879	127 274	28 900	76 705	X	X	X	X	
3353	Electrical equipment manufacturing	2005.. 4 211 258	1 117 468	1 090 584	2 003 207	4 013 461	1 109 423	1 074 758	1 829 280	1	2	2	2	
		2004.. 3 885 553	1 060 297	1 032 343	1 792 914	3 799 705	1 112 737	978 762	1 708 206	1	2	3	2	
		2003.. 3 746 223	1 064 298	966 110	1 715 816	3 760 082	999 002	961 298	1 799 781	1	2	3	1	
		2002.. 3 891 117	1 031 762	1 049 601	1 809 754	4 163 821	1 120 270	1 141 989	1 901 562	X	X	X	X	
33531	Electrical equipment manufacturing	2005.. 4 211 258	1 117 468	1 090 584	2 003 207	4 013 461	1 109 423	1 074 758	1 829 280	1	2	2	2	
		2004.. 3 885 553	1 060 297	1 032 343	1 792 914	3 799 705	1 112 737	978 762	1 708 206	1	2	3	2	
		2003.. 3 746 223	1 064 298	966 110	1 715 816	3 760 082	999 002	961 298	1 799 781	1	2	3	1	
		2002.. 3 891 117	1 031 762	1 049 601	1 809 754	4 163 821	1 120 270	1 141 989	1 901 562	X	X	X	X	
335311	Power, distribution, and specialty transformer manufacturing	2005.. 511 504	163 255	139 135	209 114	441 677	147 042	110 789	183 846	4	3	4	7	
		2004.. 427 802	139 758	110 390	177 654	435 109	142 772	118 449	173 888	5	4	6	8	
		2003.. 502 089	160 745	128 091	213 253	521 607	165 723	121 823	234 061	1	1	2	2	
		2002.. 512 389	168 439	114 186	229 764	551 882	187 198	127 714	236 970	X	X	X	X	
335312	Motor and generator manufacturing	2005.. 1 496 582	454 730	342 535	699 317	1 398 599	457 123	350 619	590 857	2	4	2	3	
		2004.. 1 384 081	441 707	353 103	589 271	1 307 038	477 103	278 132	551 803	2	5	3	3	
		2003.. 1 242 783	428 285	324 906	489 592	1 218 740	409 080	310 659	499 000	2	4	7	2	
		2002.. 1 252 225	416 214	324 456	511 555	1 350 197	454 228	353 659	542 310	X	X	X	X	
335313	Switchgear and switchboard apparatus manufacturing	2005.. 951 097	238 501	232 024	480 572	874 843	232 316	214 382	428 146	3	3	9	3	
		2004.. 854 443	223 899	210 273	420 271	835 151	213 296	232 347	389 508	2	1	10	4	
		2003.. 843 353	206 961	225 218	411 174	845 017	181 911	230 424	432 682	2	1	3	2	
		2002.. 867 875	185 958	240 786	441 131	927 768	200 716	261 698	465 354	X	X	X	X	
335314	Relay and industrial control manufacturing	2005.. 1 252 075	260 982	376 890	614 203	1 298 342	272 942	398 969	626 431	2	2	2	3	
		2004.. 1 219 227	254 933	358 577	605 718	1 222 406	279 567	349 833	593 006	2	2	4	3	
		2003.. 1 157 998	268 306	287 895	601 796	1 174 719	242 288	298 392	634 039	2	5	4	2	
		2002.. 1 258 628	261 151	370 173	627 304	1 333 974	278 128	398 918	656 928	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—				
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
335	Electrical equipment, appliance, and component manufacturing—Con.													
3359	Other electrical equipment and component manufacturing	2005..	4 979 201	1 893 227	1 056 425	2 029 549	4 729 856	1 812 223	986 368	1 931 264	1	1	2	1
		2004..	4 784 227	1 808 997	1 002 939	1 972 291	4 453 105	1 674 229	1 008 448	1 770 428	1	1	2	1
		2003..	4 540 037	1 723 578	1 049 148	1 767 312	4 776 258	1 802 921	1 149 052	1 824 285	1	1	1	2
		2002..	4 954 194	1 862 749	1 204 006	1 887 439	5 129 310	1 912 783	1 321 061	1 895 466	X	X	X	X
33591	Battery manufacturing	2005..	522 750	157 946	176 523	188 281	494 815	144 006	170 340	180 469	4	2	11	4
		2004..	474 191	134 805	167 195	172 191	496 902	157 492	165 687	173 724	4	2	10	5
		2003..	525 538	170 579	179 993	174 966	540 666	159 688	219 684	161 294	2	2	2	4
		2002..	534 178	156 407	217 949	159 822	576 853	171 455	228 288	177 110	X	X	X	X
335911	Storage battery manufacturing	2005..	343 001	139 105	102 012	101 884	316 309	126 666	92 030	97 613	6	2	18	3
		2004..	311 946	123 706	91 723	96 517	308 287	139 415	78 556	90 315	6	1	18	3
		2003..	337 441	144 773	96 523	96 145	351 471	146 142	109 300	96 029	2	3	3	3
		2002..	344 918	142 858	107 524	94 536	384 807	162 307	112 360	110 140	X	X	X	X
335912	Primary battery manufacturing	2005..	179 749	18 841	74 511	86 397	178 506	17 340	78 310	82 856	5	8	5	9
		2004..	162 245	11 099	75 471	75 674	188 615	18 076	87 130	83 409	6	14	5	10
		2003..	188 097	25 806	83 469	78 821	189 195	13 546	110 384	65 265	6	5	3	8
		2002..	189 260	13 549	110 425	65 286	192 046	9 148	115 928	66 970	X	X	X	X
33592	Communication and energy wire and cable manufacturing	2005..	1 427 276	719 610	275 755	431 910	1 297 913	674 838	230 834	392 240	2	1	3	4
		2004..	1 317 087	671 191	241 385	404 511	1 213 182	599 787	246 651	366 744	2	1	3	4
		2003..	1 212 953	593 412	263 765	355 776	1 303 192	661 572	271 948	369 672	3	2	2	8
		2002..	1 442 938	726 545	297 877	418 516	1 569 640	738 082	376 594	454 964	X	X	X	X
33592M	Communication and energy wire and cable manufacturing	2005..	1 427 276	719 610	275 755	431 910	1 297 913	674 838	230 834	392 240	2	1	3	4
		2004..	1 317 087	671 191	241 385	404 511	1 213 182	599 787	246 651	366 744	2	1	3	4
		2003..	1 212 953	593 412	263 765	355 776	1 303 192	661 572	271 948	369 672	3	2	2	8
		2002..	1 442 938	726 545	297 877	418 516	1 569 640	738 082	376 594	454 964	X	X	X	X
33593	Wiring device manufacturing	2005..	1 287 857	543 596	213 962	530 299	1 197 984	490 789	196 492	510 703	1	2	3	2
		2004..	1 246 009	495 809	203 862	546 339	1 056 202	432 331	191 812	432 060	1	1	2	2
		2003..	1 032 559	437 690	185 276	409 593	1 140 451	460 876	212 589	466 986	1	2	1	1
		2002..	1 130 081	447 072	214 251	468 758	1 149 802	458 221	233 085	458 496	X	X	X	X
33593M	Wiring device manufacturing	2005..	1 287 857	543 596	213 962	530 299	1 197 984	490 789	196 492	510 703	1	2	3	2
		2004..	1 246 009	495 809	203 862	546 339	1 056 202	432 331	191 812	432 060	1	1	2	2
		2003..	1 032 559	437 690	185 276	409 593	1 140 451	460 876	212 589	466 986	1	2	1	1
		2002..	1 130 081	447 072	214 251	468 758	1 149 802	458 221	233 085	458 496	X	X	X	X
33599	All other electrical equipment and component manufacturing	2005..	1 741 318	472 075	390 185	879 059	1 739 144	502 591	388 702	847 852	1	1	2	2
		2004..	1 746 940	507 193	390 498	849 249	1 686 818	484 620	404 298	797 900	1	1	2	2
		2003..	1 768 988	521 897	420 115	826 976	1 791 950	520 786	444 831	826 333	2	3	2	2
		2002..	1 846 997	532 725	473 929	840 343	1 833 015	545 025	483 094	804 896	X	X	X	X
335991	Carbon and graphite product manufacturing	2005..	361 530	107 645	138 243	115 642	345 675	101 962	136 517	107 196	2	2	3	3
		2004..	344 451	106 466	129 915	108 070	333 948	107 555	132 109	94 284	1	3	2	2
		2003..	334 402	104 732	135 862	93 808	381 058	117 102	165 846	98 110	3	7	2	5
		2002..	404 869	132 476	165 171	107 222	431 040	134 054	175 305	121 681	X	X	X	X
335999	All other miscellaneous electrical equipment and component manufacturing	2005..	1 379 789	364 430	251 942	763 417	1 393 469	400 629	252 184	740 656	1	2	2	2
		2004..	1 402 489	400 727	260 582	741 179	1 352 870	377 066	272 189	703 616	1	1	2	2
		2003..	1 434 586	417 165	284 253	733 168	1 410 892	403 684	278 985	728 223	2	4	2	2
		2002..	1 442 128	400 249	308 758	733 121	1 401 975	410 971	307 789	683 215	X	X	X	X
336	Transportation equipment manufacturing	2005..	69 721 170	11 700 618	40 357 392	17 663 160	64 694 677	11 531 228	35 692 619	17 470 831	1	1	1	1
		2004..	60 746 941	11 537 798	31 897 121	17 312 022	59 783 109	10 359 940	34 164 874	15 258 295	1	1	1	1
		2003..	59 745 587	10 484 375	33 820 300	15 440 912	61 224 148	11 026 736	34 473 702	15 723 710	1	1	1	1
		2002..	61 198 630	11 001 451	34 371 787	15 825 392	62 065 133	11 517 237	34 110 509	16 437 387	X	X	X	X
3361	Motor vehicle manufacturing	2005..	5 773 725	716 945	1 803 051	3 253 729	5 400 427	718 015	1 717 343	2 965 069	1	1	1	1
		2004..	5 363 813	698 456	1 731 765	2 933 592	4 972 406	554 285	1 596 833	2 821 289	1	1	2	1
		2003..	4 855 121	563 361	1 591 735	2 700 025	4 576 183	438 957	1 464 055	2 673 172	1	2	1	1
		2002..	4 586 112	452 575	1 438 087	2 695 450	4 383 243	424 161	1 552 602	2 406 480	X	X	X	X
33611	Automobile and light duty motor vehicle manufacturing	2005..	4 439 740	502 994	1 442 386	2 494 360	4 200 079	500 248	1 390 524	2 309 307	1	1	1	1
		2004..	4 196 558	488 688	1 418 404	2 289 466	4 023 901	397 083	1 296 005	2 330 813	1	1	2	1
		2003..	3 854 063	360 309	1 282 624	2 211 130	3 702 090	303 864	1 202 104	2 196 121	1	1	1	1
		2002..	3 670 576	315 880	1 157 553	2 197 143	3 533 765	252 998	1 270 996	2 009 771	X	X	X	X
336111	Automobile manufacturing	2005..	1 807 985	100 158	410 310	1 297 517	1 778 056	152 572	425 356	1 200 128	1	1	5	1
		2004..	1 809 194	150 083	463 170	1 195 941	1 659 191	105 870	370 501	1 182 820	2	1	6	1
		2003..	1 708 009	109 902	395 749	1 202 358	1 670 700	85 047	374 566	1 211 086	1	1	1	1
		2002..	1 583 262	80 493	393 615	1 109 154	1 628 360	71 344	379 234	1 177 782	X	X	X	X
336112	Light truck and utility vehicle manufacturing	2005..	2 631 755	402 836	1 032 076	1 196 843	2 422 023	347 676	965 168	1 109 179	1	1	1	1
		2004..	2 387 364	338 605	955 234	1 093 525	2 364 710	291 213	925 504	1 147 993	1	1	1	1
		2003..	2 146 054	250 407	886 875	1 008 772	2 031 390	218 817	827 538	985 035	1	1	1	1
		2002..	2 087 314	235 387	763 938	1 087 989	1 905 405	181 654	891 762	831 989	X	X	X	X

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NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—				
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.					
		A	B	C	D	E	F	G	H	A	B	C	D	
336	Transportation equipment manufacturing—Con.													
3361	Motor vehicle manufacturing—Con.													
33612	Heavy duty truck manufacturing.....	2005.. 1 333 985	213 951	360 665	759 368	1 200 349	217 767	326 820	655 762	1	3	2	2	
		2004.. 1 167 256	209 768	313 362	644 126	948 505	157 202	300 827	490 476	1	4	3	2	
		2003.. 1 001 058	203 051	309 111	488 895	874 093	135 092	261 950	477 050	1	6	1	1	
		2002.. 915 536	136 695	280 534	498 307	849 478	171 163	281 606	396 709	X	X	X	X	
336120	Heavy duty truck manufacturing.....	2005.. 1 333 985	213 951	360 665	759 368	1 200 349	217 767	326 820	655 762	1	3	2	2	
		2004.. 1 167 256	209 768	313 362	644 126	948 505	157 202	300 827	490 476	1	4	3	2	
		2003.. 1 001 058	203 051	309 111	488 895	874 093	135 092	261 950	477 050	1	6	1	1	
		2002.. 915 536	136 695	280 534	498 307	849 478	171 163	281 606	396 709	X	X	X	X	
3362	Motor vehicle body and trailer manufacturing.....	2005.. 3 860 773	1 064 419	1 010 850	1 785 504	3 571 973	984 380	905 067	1 682 525	3	3	4	3	
		2004.. 3 497 775	974 314	863 350	1 660 111	2 984 686	830 144	752 351	1 402 191	1	2	3	2	
		2003.. 3 085 585	854 828	822 355	1 408 401	3 059 829	897 859	754 251	1 407 719	2	2	3	2	
		2002.. 3 141 854	909 339	774 322	1 458 193	2 949 817	917 273	706 994	1 325 550	X	X	X	X	
33621	Motor vehicle body and trailer manufacturing.....	2005.. 3 860 773	1 064 419	1 010 850	1 785 504	3 571 973	984 380	905 067	1 682 525	3	3	4	3	
		2004.. 3 497 775	974 314	863 350	1 660 111	2 984 686	830 144	752 351	1 402 191	1	2	3	2	
		2003.. 3 085 585	854 828	822 355	1 408 401	3 059 829	897 859	754 251	1 407 719	2	2	3	2	
		2002.. 3 141 854	909 339	774 322	1 458 193	2 949 817	917 273	706 994	1 325 550	X	X	X	X	
336211	Motor vehicle body manufacturing.....	2005.. 1 503 852	405 776	478 543	619 533	1 278 506	341 534	410 612	526 360	7	7	6	9	
		2004.. 1 247 609	329 602	390 341	527 666	1 154 976	301 342	379 033	474 601	3	3	6	3	
		2003.. 1 244 628	331 552	430 240	482 835	1 249 777	314 157	411 669	523 950	3	1	4	4	
		2002.. 1 234 490	305 725	407 277	521 488	1 192 683	344 799	365 038	482 846	X	X	X	X	
336212	Truck trailer manufacturing.....	2005.. 745 233	138 634	206 714	399 885	641 243	114 155	175 997	351 091	3	8	8	4	
		2004.. 628 763	114 137	160 644	353 982	547 605	122 860	127 484	277 484	3	11	4	4	
		2003.. 527 662	132 129	118 100	277 432	544 415	137 303	118 311	288 801	6	6	7	8	
		2002.. 595 821	150 065	121 415	324 341	593 979	162 161	105 972	325 846	X	X	X	X	
336213	Motor home manufacturing.....	2005.. 794 764	247 632	229 928	317 204	864 962	242 350	227 896	394 715	3	3	5	1	
		2004.. 863 580	249 329	226 483	387 767	671 373	151 077	180 093	340 204	2	4	1	2	
		2003.. 694 957	168 356	201 822	324 779	666 859	208 441	153 783	304 635	3	6	7	1	
		2002.. 698 513	209 531	175 546	313 436	622 115	194 891	167 667	259 557	X	X	X	X	
336214	Travel trailer and camper manufacturing.....	2005.. 816 924	272 376	95 666	448 883	787 263	286 342	90 563	410 359	2	3	4	2	
		2004.. 757 824	281 245	85 883	390 696	610 731	230 464	70 365	309 902	2	2	3	2	
		2003.. 618 338	222 791	72 194	323 354	598 777	237 957	70 487	290 332	3	5	4	3	
		2002.. 613 030	244 018	70 084	298 928	541 040	215 422	68 317	257 301	X	X	X	X	
3363	Motor vehicle parts manufacturing....	2005.. 13 690 396	3 890 759	3 468 592	6 331 044	13 129 988	3 717 925	3 087 942	6 324 121	1	2	2	1	
		2004.. 13 129 687	3 736 685	3 077 794	6 315 209	12 837 464	3 666 082	3 337 027	5 834 355	1	1	1	1	
		2003.. 13 297 711	3 839 415	3 423 194	6 035 102	13 038 522	3 833 640	3 366 571	5 838 311	1	1	1	1	
		2002.. 13 162 093	3 850 376	3 376 028	5 935 689	12 535 739	3 729 664	3 091 192	5 714 883	X	X	X	X	
33631	Motor vehicle gasoline engine and engine parts manufacturing.....	2005.. 2 577 731	385 561	869 390	1 322 779	2 417 996	397 550	603 933	1 416 513	3	5	5	3	
		2004.. 2 469 570	426 536	559 597	1 483 437	2 408 545	430 906	692 372	1 285 267	2	5	3	2	
		2003.. 2 446 783	451 891	686 698	1 308 194	2 230 673	490 554	689 229	1 050 890	1	3	1	1	
		2002.. 2 213 968	490 507	682 776	1 040 685	2 043 300	469 085	599 033	975 182	X	X	X	X	
33631M	Motor vehicle gasoline engine and engine parts manufacturing.....	2005.. 2 577 731	385 561	869 390	1 322 779	2 417 996	397 550	603 933	1 416 513	3	5	5	3	
		2004.. 2 469 570	426 536	559 597	1 483 437	2 408 545	430 906	692 372	1 285 267	2	5	3	2	
		2003.. 2 446 783	451 891	686 698	1 308 194	2 230 673	490 554	689 229	1 050 890	1	3	1	1	
		2002.. 2 213 968	490 507	682 776	1 040 685	2 043 300	469 085	599 033	975 182	X	X	X	X	
33632	Motor vehicle electrical and electronic equipment manufacturing.....	2005.. 2 197 089	841 339	468 470	887 280	2 173 620	797 120	433 846	942 654	4	5	2	5	
		2004.. 2 070 008	772 635	402 840	894 533	1 985 462	694 798	407 568	883 096	2	1	2	5	
		2003.. 2 365 644	823 778	485 849	1 056 017	2 391 373	805 753	468 852	1 116 768	2	1	1	3	
		2002.. 2 404 753	799 133	460 147	1 145 473	2 409 158	814 592	413 091	1 181 475	X	X	X	X	
33632M	Motor vehicle electrical and electronic equipment manufacturing.....	2005.. 2 197 089	841 339	468 470	887 280	2 173 620	797 120	433 846	942 654	4	5	2	5	
		2004.. 2 070 008	772 635	402 840	894 533	1 985 462	694 798	407 568	883 096	2	1	2	5	
		2003.. 2 365 644	823 778	485 849	1 056 017	2 391 373	805 753	468 852	1 116 768	2	1	1	3	
		2002.. 2 404 753	799 133	460 147	1 145 473	2 409 158	814 592	413 091	1 181 475	X	X	X	X	
33633	Motor vehicle steering and suspension component (except spring) manufacturing.....	2005.. 811 629	209 605	180 507	421 516	781 245	231 014	143 161	407 069	3	6	3	4	
		2004.. 802 979	246 699	139 743	416 537	716 399	223 473	150 970	341 956	2	3	3	2	
		2003.. 706 739	207 485	174 810	324 444	723 155	206 886	195 426	320 843	2	1	1	5	
		2002.. 665 495	178 455	168 520	318 520	668 591	161 318	168 605	338 668	X	X	X	X	
336330	Motor vehicle steering and suspension component (except spring) manufacturing.....	2005.. 811 629	209 605	180 507	421 516	781 245	231 014	143 161	407 069	3	6	3	4	
		2004.. 802 979	246 699	139 743	416 537	716 399	223 473	150 970	341 956	2	3	3	2	
		2003.. 706 739	207 485	174 810	324 444	723 155	206 886	195 426	320 843	2	1	1	5	
		2002.. 665 495	178 455	168 520	318 520	668 591	161 318	168 605	338 668	X	X	X	X	

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		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing—Con.												
33634	Motor vehicle brake system manufacturing	2005.. 1 030 004	413 687	163 270	453 047	993 256	376 219	146 585	470 452	4	4	4	4
		2004.. 993 537	369 428	151 744	472 365	891 331	339 963	140 492	410 877	2	2	4	3
		2003.. 894 895	331 948	135 238	427 709	901 679	341 377	131 711	428 591	1	1	3	1
		2002.. 922 195	352 097	133 604	436 494	841 898	318 559	137 178	386 161	X	X	X	X
336340	Motor vehicle brake system manufacturing	2005.. 1 030 004	413 687	163 270	453 047	993 256	376 219	146 585	470 452	4	4	4	4
		2004.. 993 537	369 428	151 744	472 365	891 331	339 963	140 492	410 877	2	2	4	3
		2003.. 894 895	331 948	135 238	427 709	901 679	341 377	131 711	428 591	1	1	3	1
		2002.. 922 195	352 097	133 604	436 494	841 898	318 559	137 178	386 161	X	X	X	X
33635	Motor vehicle transmission and power train parts manufacturing	2005.. 2 362 863	637 992	749 876	974 995	2 258 544	573 975	751 293	933 277	2	5	2	3
		2004.. 2 336 280	609 380	823 111	903 790	2 527 788	675 666	970 586	881 536	2	4	1	3
		2003.. 2 425 741	698 016	883 002	844 723	2 173 526	647 005	711 968	814 554	2	2	2	3
		2002.. 2 257 500	650 319	749 591	857 590	2 083 192	631 354	670 411	781 427	X	X	X	X
336350	Motor vehicle transmission and power train parts manufacturing	2005.. 2 362 863	637 992	749 876	974 995	2 258 544	573 975	751 293	933 277	2	5	2	3
		2004.. 2 336 280	609 380	823 111	903 790	2 527 788	675 666	970 586	881 536	2	4	1	3
		2003.. 2 425 741	698 016	883 002	844 723	2 173 526	647 005	711 968	814 554	2	2	2	3
		2002.. 2 257 500	650 319	749 591	857 590	2 083 192	631 354	670 411	781 427	X	X	X	X
33636	Motor vehicle seating and interior trim manufacturing	2005.. 446 099	104 534	41 950	299 615	428 373	106 217	38 600	283 555	4	4	22	3
		2004.. 435 858	102 303	44 673	288 881	445 747	99 235	55 025	291 487	4	3	21	3
		2003.. 515 362	111 020	70 437	333 904	503 737	121 719	73 026	308 992	1	1	7	3
		2002.. 510 973	121 426	71 486	318 061	474 811	131 007	80 757	263 047	X	X	X	X
336360	Motor vehicle seating and interior trim manufacturing	2005.. 446 099	104 534	41 950	299 615	428 373	106 217	38 600	283 555	4	4	22	3
		2004.. 435 858	102 303	44 673	288 881	445 747	99 235	55 025	291 487	4	3	21	3
		2003.. 515 362	111 020	70 437	333 904	503 737	121 719	73 026	308 992	1	1	7	3
		2002.. 510 973	121 426	71 486	318 061	474 811	131 007	80 757	263 047	X	X	X	X
33637	Motor vehicle metal stamping	2005.. 1 449 848	387 730	498 123	563 996	1 333 156	344 319	477 110	511 727	4	8	6	3
		2004.. 1 302 169	335 490	470 325	496 355	1 215 631	318 458	449 891	447 282	2	3	2	3
		2003.. 1 291 768	335 518	481 410	474 840	1 345 668	328 535	507 613	509 520	2	4	2	3
		2002.. 1 365 942	326 286	516 844	522 812	1 237 523	307 736	471 215	458 572	X	X	X	X
336370	Motor vehicle metal stamping	2005.. 1 449 848	387 730	498 123	563 996	1 333 156	344 319	477 110	511 727	4	8	6	3
		2004.. 1 302 169	335 490	470 325	496 355	1 215 631	318 458	449 891	447 282	2	3	2	3
		2003.. 1 291 768	335 518	481 410	474 840	1 345 668	328 535	507 613	509 520	2	4	2	3
		2002.. 1 365 942	326 286	516 844	522 812	1 237 523	307 736	471 215	458 572	X	X	X	X
33639	Other motor vehicle parts manufacturing	2005.. 2 815 133	910 310	497 006	1 407 816	2 743 799	891 511	493 414	1 358 873	2	4	4	2
		2004.. 2 719 287	874 213	485 762	1 359 312	2 646 561	883 583	470 124	1 292 854	2	3	3	3
		2003.. 2 650 779	879 759	505 751	1 265 270	2 768 711	891 811	588 746	1 288 154	1	3	3	2
		2002.. 2 821 267	932 153	593 060	1 296 054	2 777 266	896 013	550 902	1 330 351	X	X	X	X
336391	Motor vehicle air-conditioning manufacturing	2005.. 385 302	117 773	55 280	212 249	429 224	129 254	68 059	231 911	4	3	2	6
		2004.. 450 339	134 098	68 359	247 882	426 715	126 090	68 439	232 186	5	1	1	9
		2003.. 426 024	135 604	67 026	223 393	422 700	114 982	82 464	225 254	1	2	1	1
		2002.. 416 192	113 283	85 736	217 173	415 119	121 537	81 601	211 981	X	X	X	X
336399	All other miscellaneous motor vehicle parts manufacturing	2005.. 2 429 830	792 537	441 726	1 195 567	2 314 576	762 257	425 356	1 126 962	3	5	4	3
		2004.. 2 268 948	740 115	417 403	1 111 430	2 219 846	757 493	401 684	1 060 669	2	4	3	3
		2003.. 2 224 755	744 154	438 725	1 041 876	2 346 011	776 829	506 282	1 062 900	2	3	3	2
		2002.. 2 405 075	818 870	507 324	1 078 881	2 362 147	774 476	469 301	1 118 370	X	X	X	X
3364	Aerospace product and parts manufacturing	2005.. 40 458 782	4 763 007	31 462 202	4 233 573	36 726 329	4 768 449	27 323 684	4 634 196	1	1	1	5
		2004.. 32 967 941	4 840 714	23 587 509	4 539 719	33 624 902	4 125 635	26 009 528	3 489 739	1	1	1	5
		2003.. 33 339 118	4 016 994	25 752 998	3 569 126	35 385 720	4 621 033	26 615 531	4 149 156	1	1	1	2
		2002.. 35 206 591	4 576 833	26 516 297	4 113 461	37 017 831	5 113 841	26 552 815	5 351 175	X	X	X	X
33641	Aerospace product and parts manufacturing	2005.. 40 458 782	4 763 007	31 462 202	4 233 573	36 726 329	4 768 449	27 323 684	4 634 196	1	1	1	5
		2004.. 32 967 941	4 840 714	23 587 509	4 539 719	33 624 902	4 125 635	26 009 528	3 489 739	1	1	1	5
		2003.. 33 339 118	4 016 994	25 752 998	3 569 126	35 385 720	4 621 033	26 615 531	4 149 156	1	1	1	2
		2002.. 35 206 591	4 576 833	26 516 297	4 113 461	37 017 831	5 113 841	26 552 815	5 351 175	X	X	X	X
336411	Aircraft manufacturing	2005.. 25 868 940	2 661 632	21 198 550	2 008 757	22 150 178	2 183 046	18 134 878	1 832 254	1	1	1	10
		2004.. 22 154 317	2 238 497	18 049 969	1 865 850	24 006 398	2 289 033	19 901 180	1 816 185	1	1	1	11
		2003.. 23 913 539	2 297 159	19 616 823	1 999 557	25 233 672	2 812 289	19 991 580	2 429 803	1	1	1	3
		2002.. 25 035 417	2 782 791	19 858 928	2 393 698	26 513 649	3 152 756	19 764 643	3 596 250	X	X	X	X
336412	Aircraft engine and engine parts manufacturing	2005.. 3 502 517	1 056 583	1 724 910	721 023	2 937 901	926 506	1 400 656	610 739	3	1	6	4
		2004.. 2 910 627	917 499	1 388 799	604 329	2 909 999	944 538	1 346 285	619 176	4	1	7	3
		2003.. 2 887 431	910 937	1 325 054	651 441	3 043 425	1 021 435	1 371 509	650 481	1	3	1	2
		2002.. 3 058 176	1 019 015	1 392 002	647 159	3 191 745	1 166 707	1 513 076	511 962	X	X	X	X
336413	Other aircraft parts and auxiliary equipment manufacturing	2005.. 5 173 085	989 757	2 917 859	1 265 469	6 097 311	1 618 030	2 505 425	1 973 855	2	2	1	5
		2004.. 6 042 853	1 645 247	2 426 486	1 971 119	4 876 246	856 521	3 059 454	960 271	1	1	1	4
		2003.. 4 707 194	787 390	3 091 153	828 650	5 177 630	765 244	3 441 355	971 031	1	3	1	3
		2002.. 5 188 673	753 146	3 460 596	974 931	5 626 503	769 696	3 756 864	1 099 943	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—						
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D			
		A	B	C	D	E	F	G	H	A	B	C	D			
336	Transportation equipment manufacturing—Con.															
3364	Aerospace product and parts manufacturing—Con.															
33641	Aerospace product and parts manufacturing—Con.															
336414	Guided missile and space vehicle manufacturing	2005..	1 622 945	1 235	1 592 601	29 109	1 461 330	954	1 426 882	33 494	1	1	1	1		
		2004..	1 344 819	944	1 310 463	33 412	1 113 598	994	1 078 597	34 007	1	1	1	1		
		2003..	1 100 438	2 170	1 063 144	35 124	1 233 568	2 275	1 180 278	51 015	1	1	1	1		
		2002..	1 232 324	1 969	1 180 103	50 252	980 740	1 301	896 498	82 941	X	X	X	X		
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2005..	281 552	16 817	225 267	39 468	361 885	18 034	307 664	36 187	4	18	3	6		
		2004..	365 637	18 780	309 538	37 319	591 198	22 688	528 353	40 157	1	2	1	3		
		2003..	611 154	9 301	565 642	36 211	600 042	9 535	560 142	30 364	2	4	1	11		
		2002..	580 977	9 658	540 095	31 224	624 352	10 072	567 143	47 137	X	X	X	X		
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2005..	4 009 743	36 982	3 803 015	169 747	3 717 724	21 879	3 548 179	147 666	1	4	1	1		
		2004..	149 689	19 747	102 253	27 689	127 463	11 862	95 659	19 943	1	4	1	2		
		2003..	119 362	10 037	91 183	18 143	97 384	10 255	70 667	16 422	1	2	1	2		
		2002..	111 024	10 254	84 573	16 197	80 842	13 309	54 591	12 942	X	X	X	X		
3365	Railroad rolling stock manufacturing	2005..	1 389 439	335 275	605 141	449 023	1 573 567	520 656	637 012	415 899	1	6	1	5		
		2004..	1 550 040	486 510	637 322	426 208	1 399 525	417 050	581 219	401 256	1	6	1	5		
		2003..	1 403 964	398 279	581 784	423 901	1 446 367	475 461	607 980	362 926	1	1	1	1		
		2002..	1 372 963	445 290	602 086	325 587	1 428 702	474 755	609 903	344 044	X	X	X	X		
33651	Railroad rolling stock manufacturing	2005..	1 389 439	335 275	605 141	449 023	1 573 567	520 656	637 012	415 899	1	6	1	5		
		2004..	1 550 040	486 510	637 322	426 208	1 399 525	417 050	581 219	401 256	1	6	1	5		
		2003..	1 403 964	398 279	581 784	423 901	1 446 367	475 461	607 980	362 926	1	1	1	1		
		2002..	1 372 963	445 290	602 086	325 587	1 428 702	474 755	609 903	344 044	X	X	X	X		
336510	Railroad rolling stock manufacturing	2005..	1 389 439	335 275	605 141	449 023	1 573 567	520 656	637 012	415 899	1	6	1	5		
		2004..	1 550 040	486 510	637 322	426 208	1 399 525	417 050	581 219	401 256	1	6	1	5		
		2003..	1 403 964	398 279	581 784	423 901	1 446 367	475 461	607 980	362 926	1	1	1	1		
		2002..	1 372 963	445 290	602 086	325 587	1 428 702	474 755	609 903	344 044	X	X	X	X		
3366	Ship and boat building	2005..	2 798 452	481 169	1 514 264	803 019	2 753 236	472 458	1 581 206	699 572	2	3	3	3		
		2004..	2 739 485	458 349	1 574 036	707 101	2 515 810	402 564	1 476 585	636 662	2	6	3	3		
		2003..	2 319 122	440 999	1 254 337	623 786	2 267 197	392 124	1 245 664	629 409	2	4	3	3		
		2002..	2 256 564	399 219	1 226 234	631 111	2 219 732	384 675	1 185 887	649 170	X	X	X	X		
33661	Ship and boat building	2005..	2 798 452	481 169	1 514 264	803 019	2 753 236	472 458	1 581 206	699 572	2	3	3	3		
		2004..	2 739 485	458 349	1 574 036	707 101	2 515 810	402 564	1 476 585	636 662	2	6	3	3		
		2003..	2 319 122	440 999	1 254 337	623 786	2 267 197	392 124	1 245 664	629 409	2	4	3	3		
		2002..	2 256 564	399 219	1 226 234	631 111	2 219 732	384 675	1 185 887	649 170	X	X	X	X		
336611	Ship building and repairing	2005..	1 155 740	56 225	913 152	186 362	1 261 156	65 991	1 034 066	161 099	2	6	1	6		
		2004..	1 255 839	61 918	1 029 688	164 234	1 277 500	65 060	1 039 517	172 922	2	5	1	7		
		2003..	1 226 540	79 654	967 551	179 336	1 181 906	73 969	914 963	192 974	3	14	3	3		
		2002..	1 143 676	64 405	894 934	184 337	1 148 258	42 569	885 628	220 061	X	X	X	X		
336612	Boat building	2005..	1 642 712	424 944	601 112	516 656	1 492 080	406 467	547 140	538 473	3	4	7	4		
		2004..	1 483 646	396 431	544 348	542 867	1 238 310	337 503	437 067	463 739	4	7	7	3		
		2003..	1 092 582	361 346	286 786	444 450	1 085 291	318 155	330 701	436 435	2	5	8	4		
		2002..	1 112 888	334 814	331 300	446 774	1 071 474	342 106	300 259	429 109	X	X	X	X		
3369	Other transportation equipment manufacturing	2005..	1 749 604	449 044	493 292	807 267	1 539 157	349 343	440 364	749 450	1	3	2	1		
		2004..	1 498 198	342 771	425 344	730 083	1 448 317	364 180	411 332	672 805	1	3	1	1		
		2003..	1 444 967	370 499	393 897	680 571	1 450 330	367 662	419 650	663 017	2	2	3	3		
		2002..	1 472 453	367 819	438 733	665 901	1 530 069	472 868	411 116	646 085	X	X	X	X		
33699	Other transportation equipment manufacturing	2005..	1 749 604	449 044	493 292	807 267	1 539 157	349 343	440 364	749 450	1	3	2	1		
		2004..	1 498 198	342 771	425 344	730 083	1 448 317	364 180	411 332	672 805	1	3	1	1		
		2003..	1 444 967	370 499	393 897	680 571	1 450 330	367 662	419 650	663 017	2	2	3	3		
		2002..	1 472 453	367 819	438 733	665 901	1 530 069	472 868	411 116	646 085	X	X	X	X		
336991	Motorcycle, bicycle, and parts manufacturing	2005..	501 676	203 613	110 144	187 919	423 216	149 060	98 267	175 888	4	6	5	4		
		2004..	411 946	149 139	95 837	166 969	370 134	131 004	98 537	140 594	2	5	4	4		
		2003..	393 671	128 928	107 887	156 855	409 766	134 905	100 943	173 919	2	3	3	2		
		2002..	403 838	133 418	100 541	169 879	445 507	214 363	93 760	137 384	X	X	X	X		
336992	Military armored vehicle, tank, and tank component manufacturing	2005..	627 211	14 436	339 705	273 070	518 156	12 618	301 311	204 227	1	1	2	1		
		2004..	493 550	6 047	292 546	194 957	516 467	4 443	273 944	238 080	1	1	1	1		
		2003..	483 325	7 128	258 201	217 996	483 142	6 016	276 264	200 862	2	3	6	1		
		2002..	485 806	4 729	275 391	205 686	432 527	3 857	244 991	183 679	X	X	X	X		
336999	All other transportation equipment manufacturing	2005..	620 716	230 995	43 442	346 278	597 786	187 665	40 785	369 335	1	2	3	2		
		2004..	592 703	187 586	36 961	368 157	561 716	228 733	38 852	294 131	2	2	2	2		
		2003..	567 971	234 444	27 808	305 719	557 421	226 741	42 444	288 236	4	3	3	4		
		2002..	582 809	229 672	62 801	290 336	652 035	254 648	72 365	325 022	X	X	X	X		

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—			
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.				
		A	B	C	D	E	F	G	H	A	B	C	D
337	Furniture and related product manufacturing	2005.. 8 320 906	3 107 737	1 542 197	3 670 973	7 824 673	2 922 422	1 500 988	3 401 264	1	2	2	1
		2004.. 7 912 394	2 941 181	1 499 443	3 471 770	7 297 533	2 692 945	1 386 969	3 217 619	1	2	2	1
		2003.. 7 503 829	2 714 133	1 397 413	3 392 283	7 491 709	2 744 179	1 398 969	3 348 561	1	1	1	2
		2002.. 7 703 021	2 798 698	1 435 911	3 468 412	7 407 541	2 640 683	1 409 240	3 357 618	X	X	X	X
3371	Household and institutional furniture and kitchen cabinet manufacturing ..	2005.. 5 477 374	2 125 182	1 004 298	2 347 893	5 224 297	2 026 625	983 665	2 214 006	2	3	2	1
		2004.. 5 258 819	2 029 849	987 375	2 241 595	4 900 002	1 884 642	921 400	2 093 959	1	3	2	1
		2003.. 5 052 123	1 867 414	923 608	2 261 101	5 010 560	1 926 696	930 477	2 153 387	1	1	2	1
		2002.. 5 142 137	1 957 131	956 749	2 228 257	4 829 707	1 787 230	943 861	2 098 616	X	X	X	X
33711	Wood kitchen cabinet and counter top manufacturing	2005.. 1 293 818	332 782	337 527	623 510	1 140 542	288 047	308 119	544 376	3	9	3	2
		2004.. 1 149 448	283 546	307 387	558 515	1 070 507	257 427	288 089	544 991	2	6	3	2
		2003.. 1 102 526	230 530	273 169	598 828	962 193	213 834	252 729	495 630	2	3	2	3
		2002.. 969 161	212 233	257 728	499 200	935 214	217 364	254 629	463 221	X	X	X	X
337110	Wood kitchen cabinet and counter top manufacturing	2005.. 1 293 818	332 782	337 527	623 510	1 140 542	288 047	308 119	544 376	3	9	3	2
		2004.. 1 149 448	283 546	307 387	558 515	1 070 507	257 427	288 089	544 991	2	6	3	2
		2003.. 1 102 526	230 530	273 169	598 828	962 193	213 834	252 729	495 630	2	3	2	3
		2002.. 969 161	212 233	257 728	499 200	935 214	217 364	254 629	463 221	X	X	X	X
33712	Household and institutional furniture manufacturing	2005.. 4 183 555	1 792 401	666 771	1 724 383	4 083 755	1 738 578	675 547	1 669 631	2	3	3	2
		2004.. 4 109 370	1 746 303	679 988	1 683 079	3 829 495	1 627 216	653 310	1 548 969	2	3	3	2
		2003.. 3 949 596	1 636 884	650 439	1 662 273	4 048 366	1 712 862	677 748	1 657 756	1	1	2	1
		2002.. 4 172 976	1 744 898	699 021	1 729 057	3 894 493	1 569 866	689 232	1 635 395	X	X	X	X
337121	Upholstered household furniture manufacturing	2005.. 1 223 735	347 335	165 892	710 508	1 169 035	331 904	157 115	680 017	4	9	3	2
		2004.. 1 098 742	288 763	151 217	658 762	1 034 175	286 461	149 624	598 090	4	10	3	2
		2003.. 1 001 246	234 633	133 237	633 376	947 728	222 287	127 094	598 348	2	3	4	1
		2002.. 979 267	219 437	141 391	618 439	877 837	194 631	139 236	543 970	X	X	X	X
337122	Nonupholstered wood household furniture manufacturing	2005.. 1 828 189	1 060 605	293 188	474 396	1 853 286	1 058 207	314 645	480 434	3	4	6	4
		2004.. 1 947 962	1 105 716	323 937	518 310	1 824 090	1 009 622	323 967	490 501	2	3	5	4
		2003.. 2 002 268	1 088 377	342 790	571 101	2 128 194	1 156 628	379 970	591 596	1	1	4	3
		2002.. 2 176 617	1 170 909	386 273	619 435	1 978 103	1 011 800	370 777	595 526	X	X	X	X
337127	Institutional furniture manufacturing	2005.. 628 482	173 809	136 296	318 378	602 102	161 896	133 901	306 305	2	5	3	2
		2004.. 612 067	169 113	136 104	306 850	532 312	145 348	111 387	275 577	1	2	3	2
		2003.. 513 400	138 469	108 767	266 163	538 186	156 357	105 041	276 789	3	5	4	3
		2002.. 553 553	159 277	106 037	288 239	543 359	154 506	107 430	281 423	X	X	X	X
33712N	Other household nonupholstered furniture	2005.. 503 149	210 652	71 396	221 101	459 331	186 570	69 886	202 875	3	2	6	4
		2004.. 450 599	182 711	68 731	199 157	438 918	185 784	68 333	184 801	3	3	6	3
		2003.. 432 683	175 405	65 646	191 633	434 258	177 591	65 644	191 023	3	4	3	4
		2002.. 463 539	195 275	65 320	202 944	495 194	208 929	71 789	214 476	X	X	X	X
3372	Office furniture (including fixtures) manufacturing	2005.. 2 172 001	747 018	474 037	950 947	2 002 561	682 565	468 327	851 670	2	3	3	2
		2004.. 2 058 345	706 046	466 123	886 175	1 842 208	626 731	419 558	795 919	2	3	3	2
		2003.. 1 885 259	669 104	426 084	790 072	1 911 028	651 517	420 282	839 229	3	4	2	5
		2002.. 1 965 589	669 584	428 284	867 721	1 968 889	665 710	418 408	884 771	X	X	X	X
33721	Office furniture (including fixtures) manufacturing	2005.. 2 172 001	747 018	474 037	950 947	2 002 561	682 565	468 327	851 670	2	3	3	2
		2004.. 2 058 345	706 046	466 123	886 175	1 842 208	626 731	419 558	795 919	2	3	3	2
		2003.. 1 885 259	669 104	426 084	790 072	1 911 028	651 517	420 282	839 229	3	4	2	5
		2002.. 1 965 589	669 584	428 284	867 721	1 968 889	665 710	418 408	884 771	X	X	X	X
337212	Custom architectural woodwork and millwork manufacturing	2005.. 410 846	138 522	115 113	157 212	381 917	131 977	114 039	135 902	5	9	8	6
		2004.. 388 860	138 856	112 754	137 250	337 073	119 877	98 358	118 838	4	8	8	3
		2003.. 368 121	120 380	106 053	141 688	363 973	113 848	105 715	144 410	4	10	6	8
		2002.. 364 380	116 316	105 136	142 928	369 645	126 242	107 687	135 716	X	X	X	X
337215	Showcase, partition, shelving, and locker manufacturing	2005.. 1 123 390	445 347	235 487	442 556	1 008 971	401 030	227 282	380 658	3	4	5	4
		2004.. 1 047 906	418 515	224 927	404 464	923 862	372 611	194 637	356 614	2	3	5	3
		2003.. 996 447	414 834	193 762	387 851	1 003 550	417 111	195 835	390 603	3	5	3	3
		2002.. 1 031 612	426 788	200 294	404 530	988 754	414 889	189 627	384 238	X	X	X	X
33721N	Office furniture manufacturing	2005.. 637 765	163 148	123 438	351 179	611 673	149 558	127 005	335 110	3	8	3	3
		2004.. 621 579	148 676	128 442	344 462	581 273	134 243	126 563	320 466	3	7	3	2
		2003.. 520 691	133 890	126 269	260 533	543 505	120 557	118 732	304 216	10	9	2	15
		2002.. 569 597	126 480	122 854	320 263	610 490	124 579	121 094	364 817	X	X	X	X
3379	Other furniture related product manufacturing	2005.. 671 531	235 537	63 861	372 133	597 815	213 232	48 996	335 588	4	5	13	3
		2004.. 595 230	205 286	45 944	344 000	555 324	181 572	46 012	327 741	3	5	3	2
		2003.. 566 447	177 615	47 721	341 111	570 121	165 966	48 210	355 946	2	1	5	2
		2002.. 595 295	171 983	50 878	372 434	608 945	187 743	46 971	374 231	X	X	X	X
33791	Mattress manufacturing	2005.. 287 011	77 754	26 807	182 450	253 803	68 020	25 528	160 255	5	12	4	4
		2004.. 248 661	63 273	22 865	162 524	211 601	54 954	20 815	135 832	4	10	3	3
		2003.. 221 481	53 825	21 007	146 649	218 096	49 011	23 320	145 764	2	3	12	2
		2002.. 232 526	51 935	24 810	155 781	208 976	48 541	18 852	141 583	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—										
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.											
		A	B	C	D	E	F	G	H	A	B	C	D							
337	Furniture and related product manufacturing—Con.																			
3379	Other furniture related product manufacturing—Con.																			
33791	Mattress manufacturing—Con.																			
337910	Mattress manufacturing	2005.. 287 011	77 754	26 807	182 450	253 803	68 020	25 528	160 255	5	12	4	4							
		2004.. 248 661	63 273	22 865	162 524	211 601	54 954	20 815	135 832	4	10	3	3							
		2003.. 221 481	53 825	21 007	146 649	218 096	49 011	23 320	145 764	2	3	12	2							
		2002.. 232 526	51 935	24 810	155 781	208 976	48 541	18 852	141 583	X	X	X	X							
33792	Blind and shade manufacturing	2005.. 384 520	157 783	37 054	189 683	344 013	145 212	23 468	175 333	5	5	22	5							
		2004.. 346 569	142 013	23 079	181 476	343 723	126 618	25 196	191 908	4	6	4	4							
		2003.. 344 966	123 790	26 714	194 462	352 026	116 954	24 889	210 182	2	2	1	4							
		2002.. 362 769	120 048	26 068	216 653	399 969	139 202	28 119	232 648	X	X	X	X							
337920	Blind and shade manufacturing	2005.. 384 520	157 783	37 054	189 683	344 013	145 212	23 468	175 333	5	5	22	5							
		2004.. 346 569	142 013	23 079	181 476	343 723	126 618	25 196	191 908	4	6	4	4							
		2003.. 344 966	123 790	26 714	194 462	352 026	116 954	24 889	210 182	2	2	1	4							
		2002.. 362 769	120 048	26 068	216 653	399 969	139 202	28 119	232 648	X	X	X	X							
339	Miscellaneous manufacturing	2005.. 20 265 539	10 220 625	3 148 915	6 895 998	18 376 773	9 146 089	3 006 165	6 224 519	1	1	2	1							
		2004.. 18 299 134	9 081 254	3 015 958	6 201 923	17 542 748	8 734 228	2 835 186	5 973 334	1	1	1	1							
		2003.. 18 349 326	9 128 552	3 047 427	6 173 348	17 229 081	8 301 637	2 874 414	6 053 031	1	1	1	1							
		2002.. 17 373 344	8 355 546	2 887 459	6 130 339	17 680 029	8 523 039	2 878 409	6 278 581	X	X	X	X							
3391	Medical equipment and supplies manufacturing	2005.. 9 266 541	4 711 473	1 521 830	3 033 237	8 600 485	4 313 645	1 494 299	2 792 540	1	2	3	2							
		2004.. 8 457 924	4 204 268	1 485 033	2 768 622	8 304 849	4 183 702	1 416 570	2 704 577	1	1	2	1							
		2003.. 8 554 622	4 284 177	1 522 315	2 748 130	7 590 233	3 590 985	1 304 781	2 694 467	1	2	2	2							
		2002.. 7 714 070	3 606 445	1 334 161	2 773 464	7 959 966	3 792 179	1 303 349	2 864 438	X	X	X	X							
33911	Medical equipment and supplies manufacturing	2005.. 9 266 541	4 711 473	1 521 830	3 033 237	8 600 485	4 313 645	1 494 299	2 792 540	1	2	3	2							
		2004.. 8 457 924	4 204 268	1 485 033	2 768 622	8 304 849	4 183 702	1 416 570	2 704 577	1	1	2	1							
		2003.. 8 554 622	4 284 177	1 522 315	2 748 130	7 590 233	3 590 985	1 304 781	2 694 467	1	2	2	2							
		2002.. 7 714 070	3 606 445	1 334 161	2 773 464	7 959 966	3 792 179	1 303 349	2 864 438	X	X	X	X							
339111	Laboratory apparatus and furniture manufacturing	2005.. 636 909	222 441	119 971	294 498	623 588	227 413	111 698	284 477	5	8	6	4							
		2004.. 608 374	221 165	114 254	272 954	631 509	249 822	124 879	256 808	5	13	4	2							
		2003.. 643 312	218 013	123 489	301 810	664 104	231 069	126 675	300 370	3	7	5	7							
		2002.. 692 134	238 745	125 975	327 414	703 442	233 757	132 185	337 500	X	X	X	X							
339112	Surgical and medical instrument manufacturing	2005.. 2 786 524	1 189 381	531 614	1 065 530	2 600 366	1 092 225	490 254	1 017 887	3	5	3	3							
		2004.. 2 577 832	1 076 177	498 445	1 003 210	2 476 296	1 011 275	495 944	969 527	3	4	3	3							
		2003.. 2 573 901	1 047 221	492 252	1 034 428	2 387 612	907 552	503 099	976 961	4	5	3	3							
		2002.. 2 494 578	950 219	517 355	1 027 004	2 706 708	1 120 625	527 897	1 058 186	X	X	X	X							
339113	Surgical appliance and supplies manufacturing	2005.. 4 539 609	2 635 929	688 991	1 214 689	4 182 401	2 403 628	726 705	1 052 068	2	2	6	2							
		2004.. 4 063 568	2 311 345	705 621	1 046 602	4 064 251	2 342 854	604 890	1 116 507	2	2	4	2							
		2003.. 4 256 167	2 447 392	737 723	1 071 052	3 319 846	1 804 038	508 090	1 007 717	2	2	3	2							
		2002.. 3 252 537	1 737 751	498 915	1 015 871	3 322 491	1 788 646	464 371	1 069 474	X	X	X	X							
339114	Dental equipment and supplies manufacturing	2005.. 539 165	246 785	93 449	198 931	489 425	218 965	84 213	186 247	4	4	5	4							
		2004.. 502 003	229 717	84 175	188 110	449 039	214 843	93 888	140 308	3	4	4	4							
		2003.. 429 719	215 103	82 797	131 818	461 777	221 660	87 659	152 458	4	4	10	10							
		2002.. 467 323	215 415	107 795	144 113	456 407	207 500	97 682	151 225	X	X	X	X							
339115	Ophthalmic goods manufacturing	2005.. 493 662	304 373	31 714	157 575	440 543	263 737	27 537	149 269	3	4	7	3							
		2004.. 445 230	261 943	26 945	156 343	463 549	280 773	40 793	141 983	3	4	8	4							
		2003.. 465 991	286 309	44 324	135 359	564 383	351 395	36 580	176 408	3	4	5	3							
		2002.. 597 024	383 587	35 789	177 648	577 538	360 766	30 459	186 313	X	X	X	X							
339116	Dental laboratories	2005.. 270 671	112 566	56 091	102 014	264 161	107 676	53 893	102 592	6	10	6	7							
		2004.. 260 916	103 921	55 593	101 402	220 204	84 135	56 625	79 445	7	10	6	7							
		2003.. 185 532	70 140	41 731	73 662	192 512	75 271	42 688	74 552	6	10	10	9							
		2002.. 210 474	80 728	48 332	81 414	193 380	80 885	50 755	61 740	X	X	X	X							
3399	Other miscellaneous manufacturing	2005.. 10 998 999	5 509 152	1 627 085	3 862 761	9 776 289	4 832 444	1 511 866	3 431 979	1	1	2	1							
		2004.. 9 841 211	4 876 985	1 530 924	3 433 301	9 237 898	4 550 526	1 418 616	3 268 757	1	1	2	1							
		2003.. 9 794 704	4 844 375	1 525 112	3 425 217	9 638 848	4 710 652	1 569 633	3 358 564	1	1	1	1							
		2002.. 9 659 274	4 749 101	1 553 298	3 356 875	9 720 063	4 730 860	1 575 060	3 414 143	X	X	X	X							
33991	Jewelry and silverware manufacturing	2005.. 2 300 486	1 527 061	285 176	488 250	2 067 253	1 323 759	282 642	460 852	2	2	4	2							
		2004.. 2 090 481	1 337 443	288 431	464 607	1 942 777	1 222 250	275 495	445 032	2	2	4	2							
		2003.. 2 066 756	1 260 365	312 652	493 739	1 895 380	1 179 446	273 239	442 695	1	1	2	1							
		2002.. 1 955 236	1 228 521	276 165	450 550	1 970 456	1 231 096	278 638	460 722	X	X	X	X							
33991M	Jewelry and silverware manufacturing	2005.. 2 300 486	1 527 061	285 176	488 250	2 067 253	1 323 759	282 642	460 852	2	2	4	2							
		2004.. 2 090 481	1 337 443	288 431	464 607	1 942 777	1 222 250	275 495	445 032	2	2	4	2							
		2003.. 2 066 756	1 260 365	312 652	493 739	1 895 380	1 179 446	273 239	442 695	1	1	2	1							
		2002.. 1 955 236	1 228 521	276 165	450 550	1 970 456	1 231 096	278 638	460 722	X	X	X	X							
33992	Sporting and athletic goods manufacturing	2005.. 2 174 790	1 144 778	221 549	808 463	1 875 783	986 988	208 804	679 990	2	2	3	2							
		2004.. 1 943 455	1 037 995	213 802	691 658	1 798 548	950 6													

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—									
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.										
		A	B	C	D	E	F	G	H	A	B	C	D						
339	Miscellaneous manufacturing—Con.																		
3399	Other miscellaneous manufacturing—Con.																		
33992	Sporting and athletic goods manufacturing—Con.																		
339920	Sporting and athletic goods manufacturing	2005..	2 174 790	1 144 778	221 549	808 463	1 875 783	986 988	208 804	679 990	2	2	3	2					
		2004..	1 943 455	1 037 995	213 802	691 658	1 798 548	950 675	192 657	655 217	4	4	5	4					
		2003..	1 891 362	1 012 529	210 604	668 229	1 763 630	912 794	248 886	601 950	2	2	3	2					
		2002..	1 789 063	926 551	248 172	614 340	1 907 230	1 013 292	265 103	628 835	X	X	X	X					
33993	Doll, toy, and game manufacturing	2005..	742 291	451 073	61 530	229 688	638 238	373 326	53 492	211 420	4	3	8	7					
		2004..	637 657	375 525	53 676	208 456	679 153	391 987	50 722	236 443	4	3	8	6					
		2003..	683 809	397 712	54 544	231 552	743 767	437 674	64 732	241 360	3	3	8	3					
		2002..	749 624	441 658	65 303	242 663	641 716	362 411	66 394	212 911	X	X	X	X					
33993M	Doll, toy, and game manufacturing	2005..	742 291	451 073	61 530	229 688	638 238	373 326	53 492	211 420	4	3	8	7					
		2004..	637 657	375 525	53 676	208 456	679 153	391 987	50 722	236 443	4	3	8	6					
		2003..	683 809	397 712	54 544	231 552	743 767	437 674	64 732	241 360	3	3	8	3					
		2002..	749 624	441 658	65 303	242 663	641 716	362 411	66 394	212 911	X	X	X	X					
33994	Office supplies (except paper) manufacturing	2005..	518 049	231 041	109 068	177 940	493 558	218 590	102 042	172 926	2	3	4	2					
		2004..	487 337	212 787	102 341	172 209	476 719	215 605	97 444	163 670	2	3	3	2					
		2003..	495 010	224 408	97 079	173 523	496 964	215 800	105 465	175 700	2	3	2	2					
		2002..	509 786	222 377	107 391	180 018	568 324	230 336	100 282	237 706	X	X	X	X					
33994M	Office supplies (except paper) manufacturing	2005..	518 049	231 041	109 068	177 940	493 558	218 590	102 042	172 926	2	3	4	2					
		2004..	487 337	212 787	102 341	172 209	476 719	215 605	97 444	163 670	2	3	3	2					
		2003..	495 010	224 408	97 079	173 523	496 964	215 800	105 465	175 700	2	3	2	2					
		2002..	509 786	222 377	107 391	180 018	568 324	230 336	100 282	237 706	X	X	X	X					
33995	Sign manufacturing	2005..	1 076 721	279 583	358 692	438 446	1 033 251	297 896	332 228	403 128	3	5	5	3					
		2004..	1 009 787	269 359	328 184	412 244	907 904	247 157	270 508	390 239	2	3	4	2					
		2003..	958 467	267 016	275 264	416 187	948 688	255 026	283 770	409 892	2	6	3	2					
		2002..	953 963	255 984	276 613	421 366	955 016	262 742	279 184	413 090	X	X	X	X					
339950	Sign manufacturing	2005..	1 076 721	279 583	358 692	438 446	1 033 251	297 896	332 228	403 128	3	5	5	3					
		2004..	1 009 787	269 359	328 184	412 244	907 904	247 157	270 508	390 239	2	3	4	2					
		2003..	958 467	267 016	275 264	416 187	948 688	255 026	283 770	409 892	2	6	3	2					
		2002..	953 963	255 984	276 613	421 366	955 016	262 742	279 184	413 090	X	X	X	X					
33999	All other miscellaneous manufacturing	2005..	4 186 661	1 875 616	591 071	1 719 974	3 668 206	1 631 885	532 658	1 503 663	1	2	3	2					
		2004..	3 672 494	1 643 875	544 491	1 484 128	3 432 797	1 522 852	531 789	1 378 156	1	2	3	2					
		2003..	3 699 299	1 682 345	574 968	1 441 986	3 790 420	1 709 911	593 420	1 486 968	1	1	2	1					
		2002..	3 701 602	1 674 010	579 654	1 447 938	3 677 321	1 630 983	585 459	1 460 879	X	X	X	X					
339991	Gasket, packing, and sealing device manufacturing	2005..	640 762	293 212	135 956	211 594	617 717	288 907	128 386	200 425	3	5	2	4					
		2004..	610 854	286 073	125 414	199 368	571 557	259 114	120 416	192 028	3	4	2	5					
		2003..	586 595	285 839	105 063	195 693	577 850	280 793	109 264	187 793	2	2	2	3					
		2002..	591 406	286 318	113 543	191 545	584 142	283 666	111 575	188 901	X	X	X	X					
339992	Musical instrument manufacturing	2005..	420 075	142 668	108 182	169 226	445 818	168 403	102 738	174 677	2	4	3	4					
		2004..	443 872	168 669	101 828	173 374	470 295	175 732	103 615	190 947	2	3	2	3					
		2003..	461 999	178 690	100 717	182 593	453 243	169 247	102 545	181 452	3	4	3	4					
		2002..	463 285	173 166	103 427	186 692	457 439	168 381	102 315	186 743	X	X	X	X					
339993	Fastener, button, needle, and pin manufacturing	2005..	141 772	71 425	31 487	38 860	135 398	66 837	33 223	35 338	7	11	10	4					
		2004..	135 117	66 418	33 454	35 245	132 722	70 807	29 821	32 093	6	12	9	3					
		2003..	140 765	71 214	36 035	33 517	145 227	69 974	37 879	37 374	4	7	4	3					
		2002..	148 982	71 508	39 618	37 856	154 548	70 354	42 765	41 429	X	X	X	X					
339994	Broom, brush, and mop manufacturing	2005..	375 758	183 972	24 269	167 516	334 233	161 185	20 633	152 416	4	6	51	7					
		2004..	335 071	161 507	20 709	152 855	317 770	151 196	34 505	132 068	4	5	60	7					
		2003..	334 147	158 560	35 789	139 798	338 648	160 818	37 185	140 646	7	6	5	8					
		2002..	335 907	159 419	35 932	140 556	311 905	149 771	30 521	131 613	X	X	X	X					
339995	Burial casket manufacturing	2005..	85 199	39 645	13 587	31 967	67 477	27 211	13 577	26 689	2	2	7	4					
		2004..	62 678	24 529	13 057	25 092	53 081	22 096	12 916	18 069	3	3	7	4					
		2003..	62 051	22 601	16 431	23 019	68 586	28 270	15 754	24 562	5	7	16	8					
		2002..	66 524	26 664	15 836	24 024	84 672	51 412	15 671	17 589	X	X	X	X					
339999	All other miscellaneous manufacturing	2005..	2 523 096	1 144 695	277 591	1 100 810	2 067 563	919 344	234 102	914 118	2	3	4	3					
		2004..	2 084 902	936 680	250 029	898 194	1 887 373	843 906	230 515	812 951	2	4	4	2					
		2003..	2 113 743	965 442	280 935	867 367	2 006 865	1 000 809	290 915	915 141	1	1	3	2					
		2002..	2 095 498	956 935	271 298	867 265	2 204 615	907 399	282 612	894 604	X	X	X	X					

¹For a comparison of the Annual Survey of Manufactures (ASM) general statistics NAICS-based codes to the 2002 Economic Census NAICS codes, see Appendix F.

²Description of relative standard error of estimate is given in Appendix C. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note 1: Previous years' data may differ from that published in the 2004 Annual Survey of Manufactures (ASM) because of changes encountered in subsequent review of the 2005 ASM.

Note 2: The data in this table are based on the 2005 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 7. Value of Shipments by Industry: 2005 and 2004

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Value of shipments			Total miscellaneous receipts			Interplant transfers	Relative standard error of estimate ² (percent) for column—
		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts		
		A	B	C	D	E	F		
31-33	Manufacturing	4 735 383 666	4 500 879 962	234 503 704	191 022 114	15 255 053	28 226 537	333 634 718	1
		4 308 970 620	4 106 664 974	202 305 645	162 316 566	13 755 592	26 233 488	320 865 514	1
311	Food manufacturing	534 878 165	511 080 412	23 797 753	21 514 589	1 125 988	1 157 176	30 486 789	1
		512 340 153	490 146 877	22 193 276	20 000 408	938 629	1 254 239	27 740 316	1
311111	Dog and cat food manufacturing	13 169 926	12 314 146	855 780	840 134	D	D	D	1
		12 127 905	11 244 347	883 558	880 921	—	2 637	D	1
311119	Other animal food manufacturing	20 169 532	18 329 448	1 840 084	1 677 258	D	D	D	2
		19 793 721	18 476 301	1 317 420	1 230 269	40 287	46 863	D	2
31121M	Flour milling and malt manufacturing	10 325 736	10 142 510	183 226	D	15 902	D	533 444	1
		10 366 887	10 179 609	187 278	D	15 230	D	539 737	1
311221	Wet corn milling	9 290 872	9 172 171	118 701	117 557	D	D	150 529	1
		8 754 415	8 636 759	117 656	116 257	D	D	149 174	1
311225	Fats and oils refining and blending	9 640 169	9 429 883	210 286	198 436	D	D	475 398	1
		9 990 942	9 823 869	167 073	153 133	D	D	917 886	1
31122N	Soybean and other oilseed processing	18 770 638	18 177 824	592 814	564 182	10 210	18 421	1 937 843	2
		18 661 082	18 204 834	456 248	440 444	D	D	2 001 853	1
311230	Breakfast cereal manufacturing	11 452 574	11 166 890	285 684	D	—	D	257 884	1
		11 209 740	10 916 352	293 388	D	—	D	277 406	1
311313	Beet sugar manufacturing	2 736 982	2 712 993	23 989	D	—	D	D	1
		2 645 765	2 624 858	20 907	19 684	—	1 223	D	1
31131N	Sugar cane mills and refining	4 506 747	4 474 503	32 243	D	D	D	D	1
		4 427 633	4 400 338	27 294	18 638	D	D	D	1
311320	Chocolate and confectionery manufacturing from cacao beans	4 221 412	4 025 987	195 425	D	S	D	D	2
		4 135 160	3 924 399	210 761	210 845	S	S	528 623	1
311330	Confectionery manufacturing from purchased chocolate	10 390 146	10 091 946	298 201	D	D	D	388 137	2
		9 817 646	9 496 867	320 779	304 039	16 604	136	340 003	2
311340	Nonchocolate confectionery manufacturing	6 785 894	6 664 792	121 102	88 712	D	D	90 865	1
		5 717 924	5 625 819	92 106	64 499	D	D	D	1
31141M	Frozen food manufacturing	23 664 781	23 400 713	264 068	242 285	6 344	15 439	260 675	1
		22 042 047	21 837 210	204 837	184 420	1 245	19 172	237 828	1
31142M	Fruit and vegetable canning, pickling, and drying	31 285 928	30 378 275	907 653	782 461	94 898	30 295	1 167 392	1
		31 280 584	30 351 117	929 467	776 826	119 746	32 896	1 027 081	1
311513	Cheese manufacturing	27 116 279	26 047 048	1 069 231	1 057 007	D	D	1 264 909	1
		25 824 521	24 860 720	963 801	953 711	4 182	5 908	975 550	1
311514	Dry, condensed, and evaporated dairy product manufacturing	9 585 867	9 297 263	288 604	286 684	D	D	210 218	1
		9 688 958	9 366 666	322 292	315 939	4 414	1 939	209 071	1
31151N	Fluid milk and butter manufacturing	31 210 256	28 779 664	2 430 592	2 399 855	14 124	16 613	1 077 992	1
		29 940 272	27 577 111	2 363 161	2 353 414	4 032	5 714	439 273	1
311520	Ice cream and frozen dessert manufacturing	9 013 366	8 390 296	623 070	571 531	51 501	38	91 493	2
		7 992 738	7 413 061	579 677	521 191	57 995	491	50 193	1
311615	Poultry processing	47 819 049	46 892 296	1 126 753	899 458	182 030	45 265	4 676 131	1
		43 679 371	42 985 038	694 333	600 404	58 871	35 058	3 814 371	1
31161N	Animal (except poultry) slaughtering and processing	102 617 763	98 710 785	3 906 978	3 540 655	89 325	276 998	14 127 410	1
		98 121 833	94 555 710	3 566 123	3 261 269	84 381	220 474	13 147 272	1
31171M	Seafood product preparation and packaging	10 144 831	9 394 966	749 865	622 311	116 266	11 289	74 236	2
		9 209 265	8 612 660	596 605	466 961	114 879	14 765	54 011	1
31181M	Bread and bakery product manufacturing	33 883 664	30 455 404	3 428 260	2 701 686	241 184	485 391	203 567	1
		31 899 100	28 223 727	3 675 373	2 739 088	168 206	768 080	180 825	2
31182M	Cookie, cracker, and pasta manufacturing	17 688 879	16 597 484	1 091 395	1 066 714	2 290	22 391	250 204	2
		18 491 601	17 216 184	1 275 417	1 243 785	3 406	28 226	385 287	2
311830	Tortilla manufacturing	2 093 433	1 972 167	121 267	109 307	—	11 960	3 591	3
		1 891 682	1 786 546	105 136	93 349	—	11 786	3 662	3
31191M	Snack food manufacturing	20 884 081	19 580 268	1 303 813	1 276 803	5 875	21 136	260 104	1
		19 065 464	17 877 068	1 188 396	1 163 586	5 184	19 626	240 458	1
311920	Coffee and tea manufacturing	6 244 504	6 001 793	242 712	233 641	D	D	D	1
		5 823 257	5 589 275	233 982	223 053	3 271	7 658	478 674	1
311930	Flavoring syrup and concentrate manufacturing	7 644 242	7 654 204	S	S	S	S	D	1
		8 007 871	7 944 658	63 213	59 581	2 048	1 584	D	1
31194M	Seasoning and dressing manufacturing	12 747 130	12 247 518	499 612	436 192	30 559	32 861	129 539	1
		12 308 458	11 852 022	456 436	393 621	31 702	31 113	D	1
31199M	All other food manufacturing	19 773 482	18 777 174	996 307	853 294	165 417	S	130 287	1
		19 424 311	18 543 752	880 559	756 316	152 271	S	121 484	1

See footnotes at end of table.

Table 7. Value of Shipments by Industry: 2005 and 2004—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Value of shipments			Total miscellaneous receipts			Interplant transfers	Relative standard error of estimate ² (percent) for column—	
		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts			
		A	B	C	D	E	F			G
312	Beverage and tobacco product manufacturing	2005..	123 635 652	119 591 937	4 043 715	3 575 949	359 263	108 503	1 315 966	1
		2004..	113 737 326	110 267 064	3 470 262	3 052 018	302 544	115 701	1 381 618	1
31211M	Soft drink and ice manufacturing	2005..	44 298 792	41 677 197	2 621 595	2 480 091	104 921	36 582	D	1
		2004..	40 128 716	38 037 502	2 091 214	2 008 623	D	D	552 349	1
312120	Breweries	2005..	20 794 605	20 683 446	111 160	7 765	76 731	26 664	D	1
		2004..	20 305 360	20 190 562	114 798	6 863	75 856	32 079	D	1
312130	Wineries	2005..	10 452 707	9 901 085	551 621	456 730	D	D	13 919	2
		2004..	9 671 487	9 116 481	555 005	457 254	66 161	31 591	D	1
312140	Distilleries	2005..	5 375 951	5 194 318	181 633	168 146	D	D	D	1
		2004..	4 792 320	4 610 098	182 221	172 278	D	D	D	1
312210	Tobacco stemming and redrying	2005..	773 870	659 825	114 045	12 918	D	D	D	1
		2004..	856 033	744 380	111 653	9 524	D	D	D	1
31222M	Tobacco product manufacturing	2005..	41 939 727	41 476 065	463 662	450 299	D	D	D	1
		2004..	37 983 410	37 568 039	415 371	397 476	D	D	D	1
313	Textile mills	2005..	41 149 077	40 207 648	941 429	768 287	157 014	16 127	9 327 558	1
2004..		40 898 460	39 968 276	930 184	788 266	116 632	25 286	10 197 937	1	
31311M	Fiber, yarn, and thread mills	2005..	10 923 571	10 876 493	47 079	39 654	D	D	4 077 320	1
		2004..	10 947 761	10 851 072	96 690	86 368	2 502	7 820	4 422 671	1
313210	Broadwoven fabric mills	2005..	8 592 491	8 413 239	179 251	168 474	5 100	5 677	1 854 198	2
		2004..	9 191 030	8 992 559	198 471	185 135	8 862	4 474	2 260 997	1
31322M	Narrow fabric mills and schiffli machine embroidery	2005..	1 331 329	1 266 455	64 874	63 488	D	D	81 440	3
		2004..	1 380 900	1 323 503	57 398	62 633	S	204	42 150	2
313230	Nonwoven fabric mills	2005..	6 196 945	6 081 651	115 294	96 157	4 574	14 563	669 375	1
		2004..	5 691 707	5 563 381	128 326	102 376	4 131	21 819	699 950	1
31324M	Knit fabric mills	2005..	2 816 257	2 780 080	36 177	26 268	D	D	480 403	2
		2004..	3 012 523	2 986 567	25 956	11 946	12 413	1 597	687 637	2
31331M	Textile and fabric finishing mills	2005..	8 681 015	8 402 473	278 542	193 368	102 818	S	2 095 631	3
		2004..	8 300 570	8 113 366	187 204	160 091	45 742	S	2 035 809	2
313320	Fabric coating mills	2005..	2 607 469	2 387 257	220 212	180 879	D	D	69 191	3
		2004..	2 373 968	2 137 828	236 140	179 717	48 421	8 002	48 723	3
314	Textile product mills	2005..	36 705 584	34 306 659	2 398 925	2 198 082	174 414	26 429	2 505 055	1
2004..		33 635 953	31 556 139	2 079 815	1 866 831	192 412	20 572	5 222 334	1	
314110	Carpet and rug mills	2005..	17 284 146	16 887 554	396 592	369 872	D	D	1 541 751	1
		2004..	15 199 474	14 932 361	267 113	248 920	15 237	2 956	4 237 411	1
31412M	Curtain and linen mills	2005..	8 113 721	7 005 472	1 108 249	1 035 161	75 647	S	96 510	2
		2004..	7 956 426	6 917 478	1 038 948	910 917	134 475	S	128 961	1
31491M	Textile bag and canvas mills	2005..	3 526 733	3 324 090	202 644	180 164	D	D	60 648	4
		2004..	3 105 143	2 901 299	203 844	185 725	4 213	13 906	72 489	4
314991	Rope, cordage, and twine mills	2005..	815 621	697 904	117 718	D	D	D	D	5
		2004..	762 402	645 849	116 553	D	D	D	D	5
314992	Tire cord and tire fabric mills	2005..	1 184 392	1 176 061	8 332	D	—	D	462 139	1
		2004..	1 175 694	1 165 814	9 880	D	—	D	D	1
314999	All other miscellaneous textile product mills	2005..	5 780 970	5 215 579	565 390	491 557	D	D	D	3
		2004..	5 436 815	4 993 337	443 478	401 449	D	D	505 374	3
315	Apparel manufacturing	2005..	31 649 725	25 915 760	5 733 965	5 353 779	358 140	22 046	1 091 903	1
2004..		32 873 019	27 563 785	5 309 234	5 041 275	237 466	30 493	1 430 340	1	
31511M	Hosiery and sock mills	2005..	3 264 981	2 714 390	550 590	D	D	842	209 705	2
		2004..	3 166 776	2 867 503	299 273	296 379	2 262	632	227 321	2
31519M	Other apparel knitting mills	2005..	1 468 880	1 381 115	87 765	D	D	D	40 730	6
		2004..	1 308 610	1 232 188	76 422	68 972	6 482	969	120 177	6
31521M	Cut and sew apparel contractors	2005..	4 039 812	3 681 763	358 049	172 710	171 034	14 306	31 274	5
		2004..	3 581 797	3 269 488	312 308	170 837	129 187	12 284	23 507	3
31522M	Men's and boys' cut and sew apparel manufacturing	2005..	6 955 810	5 745 669	1 210 141	1 119 931	86 262	3 948	569 298	2
		2004..	8 014 853	6 715 684	1 299 169	1 244 707	54 317	145	777 117	1
31523M	Women's and girls' cut and sew apparel manufacturing	2005..	11 951 550	9 052 024	2 899 526	2 837 101	60 007	2 419	181 976	1
		2004..	12 884 309	10 121 810	2 762 499	2 739 102	6 333	17 065	241 100	1
31529M	Other cut and sew apparel manufacturing	2005..	1 427 860	1 279 222	148 638	145 132	D	D	32 401	4
		2004..	1 476 821	1 350 968	125 852	121 894	2 274	1 684	17 135	4
31599M	Apparel accessories and other apparel manufacturing	2005..	2 540 831	2 061 576	479 255	D	D	D	26 520	4
		2004..	2 439 854	2 006 144	433 710	399 384	36 612	S	23 984	4

See footnotes at end of table.

Table 7. Value of Shipments by Industry: 2005 and 2004—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Value of shipments			Total miscellaneous receipts			Interplant transfers	Relative standard error of estimate ² (percent) for column—
		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts		
		A	B	C	D	E	F		
316	Leather and allied product manufacturing ...	6 012 884 5 811 551	5 516 855 5 371 221	496 029 440 331	474 505 417 962	9 012 7 895	12 512 14 474	431 846 518 644	2 1
316110	Leather and hide tanning and finishing	1 773 875 1 794 925	1 754 288 1 781 302	19 586 13 623	16 508 9 673	D 2 378	D 1 572	286 532 375 667	1 1
31621M	Footwear manufacturing	2 020 722 2 010 677	1 894 086 1 885 213	126 635 125 463	122 093 120 834	D -	D 4 629	D D	1 1
31699M	Other leather and allied product manufacturing	2 218 287 2 005 950	1 868 480 1 704 705	349 807 301 245	335 904 287 454	6 403 5 517	7 501 8 273	D D	4 3
321	Wood product manufacturing	112 017 533 104 135 194	106 718 557 99 140 175	5 298 977 4 995 018	4 024 461 3 680 089	264 593 226 673	1 009 922 1 088 256	5 132 025 4 864 157	1 1
32111M	Sawmills and wood preservation	32 786 339 30 529 740	31 348 555 29 159 749	1 437 784 1 369 991	839 300 750 733	79 994 69 134	518 489 550 124	1 171 233 1 243 221	1 1
321219	Reconstituted wood product manufacturing	8 341 218 7 854 114	8 226 653 7 763 086	114 565 91 027	81 701 62 581	2 035 2 035	30 829 26 411	626 570 596 128	1 2
32121N	Veneer and plywood manufacturing	8 762 581 8 666 741	8 518 919 8 392 674	243 662 274 067	64 233 72 885	D 96 252	D 104 930	956 559 921 318	2 2
32121P	Engineered wood product manufacturing	9 504 848 8 323 543	8 996 632 7 855 610	508 216 467 933	445 718 431 940	D 26 268	D 9 725	128 583 126 690	2 2
32191M	Millwork	28 610 904 27 121 524	26 699 784 25 352 096	1 911 121 1 769 428	1 549 113 1 408 404	D 64 917	D 296 107	1 941 465 1 695 652	1 1
321920	Wood container and pallet manufacturing	5 955 386 5 455 883	5 651 434 5 189 225	303 952 266 658	281 972 253 570	D D	D D	158 607 147 011	2 2
321991	Manufactured home (mobile home) manufacturing	7 280 296 6 418 763	7 253 132 6 393 826	27 163 24 937	5 870 7 559	D 2 298	D 15 080	6 942 -	1 1
321992	Prefabricated wood building manufacturing	4 530 825 4 134 363	4 298 962 3 938 994	231 863 195 369	242 022 203 954	D D	D D	10 780 12 320	2 2
321999	All other miscellaneous wood product manufacturing	6 245 137 5 630 524	5 724 485 5 094 916	520 652 535 608	514 533 488 462	D 11 613	D 35 533	131 287 121 816	3 3
322	Paper manufacturing	162 848 191 155 380 789	157 307 779 150 213 798	5 540 412 5 166 991	4 572 122 3 934 784	181 379 470 382	786 912 761 825	17 178 845 15 669 617	1 1
322110	Pulp mills	4 043 786 4 096 104	4 025 574 D	18 212 D	D D	- -	D D	446 175 D	1 1
32212M	Paper and newsprint mills	50 530 404 46 473 153	49 790 383 45 492 696	740 021 980 457	686 174 652 941	D D	D D	4 208 751 D	1 1
322130	Paperboard mills	20 854 087 21 055 646	20 465 620 D	388 466 D	D D	D D	250 561 D	8 293 812 7 489 655	1 1
32221M	Paperboard container manufacturing	46 127 331 44 507 393	44 018 172 42 786 938	2 109 159 1 720 455	1 705 501 1 290 857	70 413 82 466	333 244 347 131	1 964 487 1 834 449	1 1
32222N	Coated and laminated paper and packaging manufacturing	13 560 484 13 294 400	13 190 155 12 919 205	370 329 375 195	315 048 318 665	20 870 D	34 411 D	1 445 342 1 188 485	1 1
32222P	Coated, uncoated, and multiwall bag and packaging manufacturing	6 382 559 5 298 468	6 134 294 5 134 891	248 266 163 577	229 794 143 859	D 4 117	D 15 600	171 778 141 719	2 2
32223M	Stationery product manufacturing	8 002 297 7 690 810	7 231 752 6 982 653	770 545 708 157	654 817 611 192	23 930 24 362	91 798 72 603	269 557 244 385	1 1
322291	Sanitary paper product manufacturing	8 546 156 8 395 305	8 169 627 7 878 728	376 529 516 577	D 514 300	D D	D D	227 513 58 141	2 2
322299	All other converted paper product manufacturing	4 801 087 4 569 511	4 282 201 4 289 670	518 886 279 841	D 227 308	D D	D D	151 429 122 251	3 2
323	Printing and related support activities	97 094 544 93 594 772	92 582 077 89 287 808	4 512 468 4 306 964	3 480 976 3 117 130	- S	1 031 491 1 189 955	974 636 1 035 539	1 1
32311M	Printing	91 899 422 88 487 569	87 522 228 84 308 640	4 377 194 4 178 930	3 358 018 3 015 440	- S	1 019 175 1 163 611	756 215 832 709	1 1
32312M	Support activities for printing	5 195 123 5 107 203	5 059 849 4 979 169	135 274 128 034	122 958 101 690	- -	12 316 26 344	218 421 202 831	2 2

See footnotes at end of table.

Table 7. Value of Shipments by Industry: 2005 and 2004—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Value of shipments			Total miscellaneous receipts			Interplant transfers	Relative standard error of estimate ² (percent) for column—	
		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts			
		A	B	C	D	E	F			G
324	Petroleum and coal products manufacturing	2005..	476 074 723	452 407 506	23 667 216	21 663 294	93 559	1 910 363	15 775 842	1
		2004..	330 439 160	318 400 737	12 038 423	11 067 129	97 688	873 605	11 043 471	1
324110	Petroleum refineries	2005..	445 910 030	423 149 693	22 760 337	20 982 663	20 218	1 757 456	14 775 850	1
		2004..	305 330 828	294 137 695	11 193 134	10 451 809	26 714	714 611	10 040 119	1
324121	Asphalt paving mixture and block manufacturing	2005..	8 470 462	8 112 635	357 827	200 177	D	D	333 524	2
		2004..	7 976 475	7 676 801	299 674	130 645	D	D	469 785	4
324122	Asphalt shingle and coating materials manufacturing	2005..	8 874 175	8 624 671	249 504	241 422	D	D	265 153	1
		2004..	7 689 751	7 394 674	295 077	286 154	D	D	243 047	1
324191	Petroleum lubricating oil and grease manufacturing	2005..	10 235 681	10 061 453	174 228	163 954	D	D	285 972	2
		2004..	7 530 180	7 393 516	136 664	128 309	D	D	197 244	2
324199	All other petroleum and coal products manufacturing	2005..	2 584 374	2 459 054	125 320	75 077	D	D	115 343	9
		2004..	1 911 926	1 798 053	113 874	70 212	D	D	93 276	1
325	Chemical manufacturing	2005..	604 501 182	564 309 749	40 191 432	33 444 655	3 978 300	2 768 478	60 010 145	1
		2004..	540 883 372	504 473 573	36 409 799	29 939 060	3 631 852	2 838 887	50 503 089	1
325110	Petrochemical manufacturing	2005..	51 414 665	D	D	D	D	3 269	15 906 960	1
		2004..	40 021 949	D	D	D	D	—	12 361 828	1
325120	Industrial gas manufacturing	2005..	7 294 890	6 920 753	374 137	201 851	D	D	233 332	3
		2004..	6 913 472	6 510 983	402 489	230 997	D	D	203 260	2
32513M	Synthetic dye and pigment manufacturing	2005..	6 682 037	D	D	D	D	D	498 883	1
		2004..	6 258 002	D	D	D	D	D	371 612	1
325181	Alkalies and chlorine manufacturing	2005..	6 455 923	6 189 342	266 581	D	—	D	D	1
		2004..	4 389 376	D	D	D	—	D	D	1
325182	Carbon black manufacturing	2005..	1 191 173	1 185 766	5 407	5 407	—	—	1 524	2
		2004..	1 151 127	D	D	D	—	—	1 377	2
325188	All other basic inorganic chemical manufacturing	2005..	17 435 368	14 285 780	3 149 588	D	2 191 516	D	D	2
		2004..	16 085 484	13 319 673	2 765 812	D	1 992 371	D	D	1
32519M	Other basic organic chemical manufacturing	2005..	79 388 681	76 930 141	2 458 540	2 211 934	D	D	10 415 712	1
		2004..	71 395 177	69 097 373	2 297 804	2 054 444	D	D	9 004 111	1
325211	Plastics material and resin manufacturing	2005..	74 327 971	73 823 103	504 868	D	35 437	D	8 556 928	1
		2004..	59 552 466	59 071 990	480 475	342 888	D	D	6 765 942	1
325212	Synthetic rubber manufacturing	2005..	6 696 453	6 493 514	202 939	D	D	D	850 908	1
		2004..	6 103 510	5 893 862	209 647	208 245	D	D	759 167	1
32522M	Artificial and synthetic fibers and filaments manufacturing	2005..	8 962 281	8 885 624	76 658	75 180	51	1 427	2 431 430	2
		2004..	8 228 020	8 162 316	65 703	64 324	D	D	1 460 911	1
325311	Nitrogenous fertilizer manufacturing	2005..	4 863 424	4 763 486	99 938	92 179	D	D	82 761	1
		2004..	4 393 867	4 330 525	63 342	55 816	D	D	159 027	1
325312	Phosphatic fertilizer manufacturing	2005..	5 195 131	5 065 958	129 173	92 469	D	D	577 247	2
		2004..	5 146 533	4 954 100	192 433	154 382	D	D	672 031	1
325314	Fertilizer (mixing only) manufacturing	2005..	3 694 237	3 377 124	317 113	300 183	2 986	13 944	32 470	2
		2004..	3 371 293	3 090 626	280 667	265 945	2 651	12 071	36 407	1
325320	Pesticide and other agricultural chemical manufacturing	2005..	14 074 012	13 839 024	234 987	177 853	56 757	377	2 867 784	2
		2004..	11 353 012	11 171 411	181 601	145 477	35 747	377	1 795 868	2
325411	Medicinal and botanical manufacturing	2005..	9 642 899	9 515 721	127 178	118 259	D	D	2 013 964	2
		2004..	10 599 413	10 489 628	109 785	101 404	D	D	2 655 404	2
325412	Pharmaceutical preparation manufacturing	2005..	133 668 095	125 124 471	8 543 623	6 830 899	791 323	921 401	7 554 910	1
		2004..	126 762 621	119 433 652	7 328 969	5 746 716	739 732	842 522	8 088 313	1
325413	In-vitro diagnostic substance manufacturing	2005..	10 697 172	8 177 701	2 519 471	2 330 474	D	D	40 042	2
		2004..	10 139 701	7 737 998	2 401 703	2 210 951	D	D	D	2
325414	Biological product (except diagnostic) manufacturing	2005..	11 961 116	10 545 100	1 416 016	1 273 662	D	D	187 408	4
		2004..	10 107 863	9 109 428	998 435	867 623	D	D	D	4
325510	Paint and coating manufacturing	2005..	23 818 561	22 703 243	1 115 318	1 004 794	69 847	40 677	223 079	1
		2004..	22 113 218	21 130 033	983 185	861 245	68 293	53 647	196 061	2
325520	Adhesive manufacturing	2005..	8 983 910	8 697 382	286 528	277 680	6 320	2 528	460 960	3
		2004..	8 209 376	7 946 482	262 894	258 181	D	D	451 919	1
32561M	Soap and cleaning compound manufacturing	2005..	37 801 183	33 750 408	4 050 775	3 985 980	D	D	4 264 472	1
		2004..	33 976 326	30 414 873	3 561 453	3 514 000	D	D	2 667 114	1
325620	Toilet preparation manufacturing	2005..	39 551 247	31 894 621	7 656 626	7 480 759	D	D	481 424	1
		2004..	35 867 336	29 742 111	6 125 225	5 913 950	D	D	479 035	1

See footnotes at end of table.

Table 7. Value of Shipments by Industry: 2005 and 2004—Con.

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NAICS code	Industry	Value of shipments			Total miscellaneous receipts			Interplant transfers	Relative standard error of estimate ² (percent) for column—
		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts		
		A	B	C	D	E	F		
325	Chemical manufacturing—Con.								
325910	Printing ink manufacturing	2005.. 5 086 678	4 688 511	398 167	394 223	D	D	165 577	6
		2004.. 4 802 181	4 450 017	352 165	349 071	3 108	D	183 910	3
325920	Explosives manufacturing	2005.. 1 190 099	955 675	234 424	D	D	D	99 734	2
		2004.. 1 063 927	898 509	165 418	D	D	1 235	111 154	1
325991	Custom compounding of purchased resins	2005.. 9 537 802	9 168 430	369 372	D	D	16 832	70 510	2
		2004.. 8 344 714	7 999 176	345 537	D	D	8 003	66 329	2
32599N	All other miscellaneous chemical product and preparation manufacturing (including photographic)	2005.. 24 886 174	20 640 691	4 245 483	3 332 054	74 247	839 182	730 689	1
		2004.. 24 533 408	19 780 867	4 752 542	3 631 447	75 930	1 045 165	777 575	1
326	Plastics and rubber products								
	manufacturing	2005.. 200 488 728	193 561 237	6 927 490	6 343 374	210 107	374 009	7 477 429	1
		2004.. 184 710 503	178 304 773	6 405 730	5 872 955	202 686	330 089	6 861 302	1
326111	Plastics bag manufacturing	2005.. 8 895 709	8 643 815	251 895	234 729	D	D	23 014	1
		2004.. 8 135 564	7 892 371	243 193	222 027	D	D	55 127	1
326112	Plastics packaging film and sheet (including laminated) manufacturing	2005.. 7 975 119	7 728 140	246 979	225 802	D	D	913 772	1
		2004.. 6 861 394	6 649 818	211 576	188 958	D	D	554 761	1
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2005.. 15 608 064	15 178 442	429 622	325 939	45 148	58 535	392 587	2
		2004.. 13 719 315	13 416 823	302 491	207 886	43 034	51 571	324 317	1
326121	Unsupported plastics profile shape manufacturing	2005.. 6 459 203	6 251 615	207 588	201 526	D	D	175 164	1
		2004.. 6 207 078	5 994 633	212 445	205 308	—	7 136	226 917	1
326122	Plastics pipe and pipe fitting manufacturing	2005.. 8 392 486	8 240 163	152 322	146 833	D	D	104 882	1
		2004.. 6 532 331	6 409 800	122 531	114 037	D	D	91 608	1
326130	Laminated plastics plate, sheet, and shape manufacturing	2005.. 2 582 304	2 513 447	68 857	54 760	D	D	14 470	2
		2004.. 2 379 260	2 308 240	71 020	54 341	6 151	10 529	9 476	2
326140	Polystyrene foam product manufacturing	2005.. 8 033 378	7 628 280	405 097	371 260	25 579	8 258	161 260	3
		2004.. 7 214 209	6 889 423	324 786	282 129	26 521	16 136	146 158	3
326150	Urethane and other foam product (except polystyrene) manufacturing	2005.. 8 815 784	8 522 038	293 746	258 785	1 803	33 159	443 647	4
		2004.. 7 957 951	7 688 224	269 727	234 392	1 411	33 924	492 046	3
326160	Plastics bottle manufacturing	2005.. 9 254 865	9 206 464	48 401	29 177	D	D	509 427	1
		2004.. 8 370 657	8 316 154	54 503	39 468	D	D	465 209	1
32619M	Other plastics product manufacturing	2005.. 87 909 724	84 881 200	3 028 523	2 791 540	88 237	148 746	2 812 468	2
		2004.. 82 587 529	79 691 384	2 896 146	2 690 416	85 498	120 231	2 653 855	2
32621M	Tire manufacturing	2005.. 16 374 627	15 686 243	688 384	603 791	D	D	277 398	1
		2004.. 15 861 242	15 235 156	626 087	558 854	40 857	26 376	356 289	1
326220	Rubber and plastics hoses and belting manufacturing	2005.. 4 522 358	4 407 919	114 439	109 901	—	4 538	465 303	1
		2004.. 4 177 637	4 083 604	94 032	90 446	—	3 586	407 075	1
32629M	Other rubber product manufacturing	2005.. 15 665 107	14 673 470	991 636	989 332	S	26 221	1 184 037	3
		2004.. 14 706 337	13 729 144	977 193	984 692	S	20 269	1 078 464	2
327	Nonmetallic mineral product manufacturing								
	manufacturing	2005.. 114 320 662	109 038 372	5 282 290	4 403 063	351 041	528 186	3 757 258	1
		2004.. 102 879 645	98 372 885	4 506 760	3 818 942	220 505	467 313	3 673 761	1
327111	Vitreous china plumbing fixture and china and earthenware bathroom accessories manufacturing	2005.. 1 179 468	1 114 958	64 510	D	—	D	D	2
		2004.. 1 056 825	1 026 363	30 462	30 365	D	D	—	2
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	2005.. 904 960	865 071	39 890	D	D	12 646	D	6
		2004.. 926 669	873 375	53 295	37 966	D	D	7 951	5
327113	Porcelain electrical supply manufacturing	2005.. 993 896	910 494	83 402	81 571	D	D	98 338	4
		2004.. 1 082 498	1 041 444	41 055	40 501	161	392	103 296	3
327121	Brick and structural clay tile manufacturing	2005.. 2 328 809	2 203 462	125 347	109 286	D	D	7 067	2
		2004.. 2 121 768	2 023 378	98 389	D	—	D	—	1
327122	Ceramic wall and floor tile manufacturing	2005.. 1 078 518	942 553	135 966	D	—	D	—	2
		2004.. 1 022 959	905 691	117 268	D	—	D	—	2
327123	Other structural clay product manufacturing	2005.. 220 199	208 977	11 223	6 399	D	D	—	2
		2004.. 199 929	195 080	4 848	4 690	—	158	—	2
32712N	Refractory manufacturing	2005.. 2 297 014	2 200 822	96 192	D	D	D	153 469	2
		2004.. 2 018 801	1 924 068	94 733	D	D	D	71 992	2

See footnotes at end of table.

Table 7. Value of Shipments by Industry: 2005 and 2004—Con.

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NAICS code	Industry	Value of shipments			Total miscellaneous receipts			Interplant transfers	Relative standard error of estimate ² (percent) for column—
		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts		
		A	B	C	D	E	F		
327	Nonmetallic mineral product manufacturing—Con.								
327211	Flat glass manufacturing	2005.. 3 465 168 2004.. 3 247 674	2005.. 3 355 080 2004.. 3 149 345	2005.. 110 088 2004.. 98 329	D D	— D	D D	548 930 590 657	1 1
327212	Other pressed and blown glass and glassware manufacturing	2005.. 4 093 150 2004.. 4 005 367	2005.. 4 007 369 2004.. 3 935 651	2005.. 85 781 2004.. 69 716	D D	— —	D D	861 581 658 887	2 2
327213	Glass container manufacturing	2005.. 4 241 526 2004.. 4 323 237	2005.. 4 232 862 2004.. 4 314 472	2005.. 8 665 2004.. 8 765	D D	— —	D D	— —	2 2
327215	Glass product manufacturing made of purchased glass	2005.. 11 421 486 2004.. 11 025 171	2005.. 11 082 865 2004.. 10 681 572	2005.. 338 620 2004.. 343 600	304 672 297 969	6 916 D	27 032 D	937 538 1 053 449	1 1
327310	Cement manufacturing	2005.. 9 903 070 2004.. 8 720 306	2005.. 9 290 311 2004.. 8 274 724	2005.. 612 759 2004.. 445 582	585 685 412 285	D D	D D	296 376 232 996	2 1
327320	Ready-mix concrete manufacturing	2005.. 27 079 443 2004.. 23 583 623	2005.. 25 920 175 2004.. 22 624 632	2005.. 1 159 268 2004.. 958 991	757 589 659 053	129 544 72 006	272 135 227 931	131 830 105 338	1 2
32733M	Concrete pipe, brick, and block manufacturing	2005.. 8 699 604 2004.. 7 340 355	2005.. 7 619 158 2004.. 6 409 645	2005.. 1 080 446 2004.. 930 711	994 210 892 032	D D	D D	20 172 11 268	1 1
327390	Other concrete product manufacturing	2005.. 10 575 068 2004.. 9 326 253	2005.. 10 146 131 2004.. 8 955 051	2005.. 428 937 2004.. 371 202	275 012 229 814	66 914 58 352	87 011 83 036	85 777 73 878	2 2
327410	Lime manufacturing	2005.. 1 412 143 2004.. 1 285 030	2005.. 1 401 124 2004.. 1 268 592	2005.. 11 019 2004.. 16 438	D D	— —	D D	D D	1 1
327420	Gypsum product manufacturing	2005.. 6 349 825 2004.. 5 082 448	2005.. 6 143 825 2004.. 4 918 976	2005.. 206 000 2004.. 163 472	D D	D —	D D	D D	1 1
327910	Abrasive product manufacturing	2005.. 4 129 924 2004.. 3 906 525	2005.. 3 898 577 2004.. 3 656 769	2005.. 231 346 2004.. 249 756	202 022 223 555	1 042 1 042	28 283 25 159	D 86 782	2 2
327991	Cut stone and stone product manufacturing	2005.. 2 860 951 2004.. 2 516 603	2005.. 2 758 963 2004.. 2 432 796	2005.. 101 987 2004.. 83 807	87 614 70 985	3 446 5 551	10 928 7 271	47 621 17	4 3
327992	Ground or treated mineral and earth manufacturing	2005.. 2 349 559 2004.. 2 210 023	2005.. 2 280 613 2004.. 2 138 243	2005.. 68 946 2004.. 71 780	32 813 30 262	23 168 22 942	12 964 18 575	74 653 75 538	5 4
327993	Mineral wool manufacturing	2005.. 5 897 217 2004.. 5 440 603	2005.. 5 757 362 2004.. 5 309 565	2005.. 139 855 2004.. 131 038	129 415 120 971	7 189 7 189	3 251 2 877	117 059 118 398	4 3
327999	All other miscellaneous nonmetallic mineral product manufacturing	2005.. 2 839 665 2004.. 2 436 977	2005.. 2 697 621 2004.. 2 313 452	2005.. 142 044 2004.. 123 524	116 409 103 577	17 943 12 624	7 691 7 323	D 48 724	2 2
331	Primary metal manufacturing	2005.. 201 835 490 2004.. 181 602 407	2005.. 196 816 132 2004.. 177 171 088	2005.. 5 019 358 2004.. 4 431 319	2 388 434 2 046 838	1 135 956 1 056 122	1 494 968 1 328 359	24 088 688 22 163 300	1 1
33111M	Iron and steel mills and ferroalloy manufacturing	2005.. 82 370 374 2004.. 77 152 780	2005.. 81 375 254 2004.. 76 185 663	2005.. 995 120 2004.. 967 117	234 348 206 425	121 179 165 754	639 594 594 938	8 962 766 9 323 771	2 2
331210	Iron and steel pipe and tube manufacturing from purchased steel	2005.. 8 812 135 2004.. 7 572 406	2005.. 8 607 777 2004.. 7 427 361	2005.. 204 358 2004.. 145 045	42 697 49 707	80 569 21 001	81 093 74 337	256 216 165 207	1 1
33122M	Rolling and drawing of purchased steel	2005.. 11 206 615 2004.. 9 903 733	2005.. 10 750 807 2004.. 9 563 531	2005.. 455 809 2004.. 340 202	370 868 256 418	20 138 25 625	64 803 58 159	1 519 039 785 379	2 2
331311	Alumina refining	2005.. 1 243 893 2004.. 1 014 795	2005.. 1 218 249 2004.. D	2005.. 25 643 2004.. D	D D	D D	— —	D D	1 1
331312	Primary aluminum production	2005.. 4 864 591 2004.. 5 127 995	2005.. 4 837 025 2004.. 5 111 707	2005.. 27 566 2004.. 16 288	D D	D —	D D	D D	1 1
331314	Secondary smelting and alloying of aluminum	2005.. 5 418 635 2004.. 4 231 724	2005.. 5 195 834 2004.. D	2005.. 222 801 2004.. D	144 115 202 387	D D	D D	D D	1 1
331316	Aluminum extruded product manufacturing	2005.. 8 020 843 2004.. 6 553 474	2005.. 7 692 241 2004.. 6 401 983	2005.. 328 602 2004.. 151 491	154 390 46 922	10 556 9 684	163 656 94 885	D D	1 1
33131N	Aluminum rolling and drawing	2005.. 16 911 685 2004.. 14 656 048	2005.. 16 159 385 2004.. 13 842 211	2005.. 752 301 2004.. 813 837	408 979 373 360	145 130 203 747	198 191 236 730	2 229 202 1 247 172	2 1
331411	Primary smelting and refining of copper	2005.. 3 817 874 2004.. 3 439 240	D D	D D	D D	D D	— —	D D	1 1
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	2005.. 3 400 296 2004.. 2 917 924	D D	D D	D D	D D	32 561 36 999	D D	2 2
33142M	Copper rolling, drawing, extruding, and alloying	2005.. 15 968 022 2004.. 13 487 740	2005.. 15 586 455 2004.. 13 157 044	2005.. 381 566 2004.. 330 697	82 688 75 835	163 280 168 591	135 599 86 270	2 139 374 2 138 604	1 1
33149M	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	2005.. 9 278 612 2004.. 7 405 185	2005.. 8 615 298 2004.. 6 870 088	2005.. 663 314 2004.. 535 097	121 546 113 172	452 111 352 224	89 657 69 701	764 425 686 535	2 2

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NAICS code	Industry	Value of shipments			Total miscellaneous receipts			Interplant transfers	Relative standard error of estimate ² (percent) for column—
		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts		
		A	B	C	D	E	F		
331	Primary metal manufacturing—Con.								
33151M	Ferrous metal foundries	2005.. 18 739 275	18 197 848	541 427	501 252	9 051	31 124	2 109 872	1
		2004.. 16 844 883	16 358 434	486 449	453 113	8 088	25 248	2 130 726	1
33152N	Aluminum foundries	2005.. 7 896 630	7 744 042	152 588	123 212	11 664	17 713	860 892	1
		2004.. 7 664 420	7 520 141	144 279	117 304	10 707	16 277	876 856	1
33152P	Foundries not aluminum	2005.. 3 886 009	3 791 257	94 752	60 294	16 354	18 104	209 239	2
		2004.. 3 630 062	3 541 618	88 443	50 968	17 574	19 901	200 010	2
332	Fabricated metal product manufacturing	2005.. 288 067 852	271 183 790	16 884 061	11 475 411	2 835 072	2 573 579	9 220 081	1
		2004.. 261 100 503	246 271 485	14 829 018	9 893 610	2 471 367	2 464 041	8 889 853	1
332114	Custom roll forming	2005.. 6 497 886	6 283 248	214 638	151 906	24 065	38 668	302 629	3
		2004.. 5 779 357	5 552 907	226 450	156 842	30 060	39 548	292 057	3
332117	Powder metallurgy parts manufacturing	2005.. 1 251 385	1 224 297	27 088	D	135	D	91 539	2
		2004.. 1 149 900	1 128 049	21 852	D	135	D	53 156	2
33211N	Forging	2005.. 7 950 727	7 817 466	133 261	D	15 472	D	187 689	2
		2004.. 6 956 376	6 831 020	125 357	D	16 394	D	168 048	2
33211P	Crown, closure, and metal stamping manufacturing	2005.. 12 481 060	12 033 457	447 603	267 850	80 359	99 394	327 726	2
		2004.. 11 349 957	10 911 123	438 834	267 288	68 002	103 544	311 231	2
33221N	Cutlery, kitchen utensil, pot, and pan manufacturing	2005.. 3 190 993	2 777 445	413 548	361 248	39 764	12 536	D	1
		2004.. 2 876 223	2 618 442	257 781	217 003	33 857	6 921	D	1
33221P	Hand tool and saw blade manufacturing	2005.. 7 489 098	6 625 864	863 234	740 614	87 160	35 461	D	2
		2004.. 7 089 951	6 335 477	754 473	621 615	101 214	31 644	D	2
33231M	Plate work and fabricated structural product manufacturing	2005.. 34 757 918	32 036 611	2 721 307	1 931 126	404 214	385 967	843 140	1
		2004.. 29 671 770	27 275 060	2 396 710	1 598 762	330 965	466 983	709 705	2
33232M	Ornamental and architectural metal work manufacturing	2005.. 38 798 894	37 048 925	1 749 969	1 442 499	49 650	257 820	1 476 691	1
		2004.. 34 948 441	33 552 615	1 395 826	1 226 466	16 835	152 525	1 094 968	1
332410	Power boiler and heat exchanger manufacturing	2005.. 3 713 832	3 444 960	268 871	148 218	65 110	55 544	49 838	4
		2004.. 3 221 504	2 971 936	249 568	157 208	59 544	32 816	65 377	4
332420	Metal tank (heavy gauge) manufacturing	2005.. 5 469 045	5 243 316	225 728	111 560	32 767	81 401	26 100	2
		2004.. 4 894 819	4 676 399	218 420	117 203	32 913	68 304	27 163	1
33243M	Metal can, box, and other metal container (light gauge) manufacturing	2005.. 15 756 956	15 071 839	685 117	171 387	19 056	494 674	534 675	1
		2004.. 15 062 750	14 462 151	600 598	144 327	11 559	444 712	519 509	1
332510	Hardware manufacturing	2005.. 10 303 308	9 396 133	907 175	823 052	11 028	73 095	395 352	1
		2004.. 10 314 037	9 504 917	809 120	724 970	10 679	73 471	480 623	1
33261M	Spring and wire product manufacturing	2005.. 10 086 670	8 914 487	1 172 183	1 106 346	16 189	49 647	563 805	2
		2004.. 9 334 738	8 252 239	1 082 500	1 022 985	12 602	46 912	542 967	1
332710	Machine shops	2005.. 31 916 789	30 059 900	1 856 889	1 008 071	622 327	226 491	481 636	1
		2004.. 28 674 645	27 117 055	1 557 589	839 001	516 748	201 841	298 617	1
332721	Precision turned product manufacturing	2005.. 9 972 831	9 597 193	375 638	161 213	D	D	260 087	2
		2004.. 8 974 269	8 611 362	362 907	143 636	131 562	87 709	170 333	1
332722	Bolt, nut, screw, rivet, and washer manufacturing	2005.. 8 672 364	8 145 990	526 375	485 091	D	D	232 874	2
		2004.. 7 985 340	7 514 951	470 390	447 765	D	28 774	168 023	2
33281M	Coating, engraving, heat treating, and allied activities	2005.. 22 660 532	22 158 452	502 079	143 224	243 232	115 623	641 349	1
		2004.. 20 179 077	19 696 861	482 216	121 757	238 441	122 018	653 201	1
332913	Plumbing fixture fitting and trim manufacturing	2005.. 3 491 747	3 151 363	340 384	293 861	D	D	225 674	4
		2004.. 3 423 108	3 241 651	181 456	D	1 004	D	417 886	3
33291N	Valve and fitting (except plumbing) manufacturing	2005.. 20 515 534	19 209 715	1 305 819	1 025 642	D	D	777 790	1
		2004.. 18 677 840	17 490 543	1 187 297	D	23 504	D	739 274	1
332991	Ball and roller bearing manufacturing	2005.. 6 600 635	6 550 781	49 854	37 926	S	11 936	836 188	2
		2004.. 6 237 497	D	D	36 744	S	D	808 295	1
332992	Small arms ammunition manufacturing	2005.. 1 683 129	D	D	19 408	D	D	43 570	1
		2004.. 1 441 857	D	D	17 325	D	D	D	1
332993	Ammunition (except small arms) manufacturing	2005.. 1 545 126	1 289 851	255 275	D	252 866	D	84 308	6
		2004.. 1 498 779	D	D	D	D	2 272	79 954	3
332994	Small arms manufacturing	2005.. 1 977 612	1 868 777	108 835	92 537	D	D	37 155	3
		2004.. 2 067 859	1 962 102	105 757	91 699	8 024	6 034	D	2
332995	Other ordnance and accessories manufacturing	2005.. 1 179 929	D	D	D	D	D	D	1
		2004.. 1 565 247	D	D	D	D	D	D	1

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		A	B	C	D	E	F		
332	Fabricated metal product manufacturing— Con.								
332996	Fabricated pipe and pipe fitting manufacturing	2005.. 4 843 345 2004.. 3 986 679	4 597 225 3 773 291	246 120 213 388	192 992 163 222	D 50 347	D D	D D	2 3
33299N	Other fabricated metal products manufacturing	2005.. 15 260 509 2004.. 13 738 483	14 334 005 12 765 083	926 505 973 401	676 719 647 107	166 692 180 715	83 093 145 578	197 041 334 062	2 1
333	Machinery manufacturing	2005.. 302 203 620 2004.. 272 123 075	279 894 298 252 961 090	22 309 322 19 161 985	17 031 941 14 309 483	934 215 969 816	4 343 166 3 882 686	13 621 399 11 093 623	2 1
333111	Farm machinery and equipment manufacturing	2005.. 20 090 963 2004.. 17 725 222	18 794 891 16 654 236	1 296 072 1 070 986	D 852 540	6 357 D	D D	273 851 233 374	1 1
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	2005.. 8 345 689 2004.. 8 022 684	7 891 820 7 616 733	453 869 405 951	D 377 560	— D	D D	193 021 115 439	1 1
333120	Construction machinery manufacturing	2005.. 31 083 292 2004.. 25 028 937	27 328 942 22 392 191	3 754 350 2 636 746	3 577 577 2 448 255	630 D	176 143 D	1 749 315 1 813 534	1 1
33313M	Mining and oil and gas field machinery manufacturing	2005.. 10 717 121 2004.. 8 863 821	9 910 496 8 105 366	806 625 758 456	598 330 540 498	37 342 D	170 954 D	480 414 408 545	2 2
333210	Sawmill and woodworking machinery manufacturing	2005.. 1 108 719 2004.. 1 075 117	982 909 979 520	125 810 95 597	80 486 58 134	26 383 25 271	18 941 12 191	D D	4 5
333220	Plastics and rubber industry machinery manufacturing	2005.. 3 010 189 2004.. 3 055 087	2 729 540 2 790 280	280 649 264 807	241 479 223 978	18 964 17 735	20 206 23 095	D D	3 3
333295	Semiconductor machinery manufacturing	2005.. 12 109 055 2004.. 13 830 141	10 629 694 12 401 910	1 479 361 1 428 230	239 728 D	295 589	1 239 338 D	D D	1 1
33329N	Other machinery manufacturing	2005.. 18 014 320 2004.. 16 180 164	16 150 249 14 895 071	1 864 071 1 285 093	1 424 388 D	102 188 98 803	337 495 D	D D	2 1
333313	Office machinery manufacturing	2005.. 2 212 358 2004.. 2 199 711	2 037 059 2 063 717	175 299 135 994	D 39 608	D D	D D	D 73 850	4 3
333314	Optical instrument and lens manufacturing	2005.. 3 141 112 2004.. 3 001 722	2 960 110 2 819 408	181 002 182 314	D 150 440	D D	D D	27 449 30 493	2 3
333315	Photographic and photocopying equipment manufacturing	2005.. 2 302 988 2004.. 2 211 025	2 050 941 1 931 370	252 047 279 655	249 179 271 077	D S	D 11 395	D 4 107	2 2
33331N	All other commercial and service industry machinery manufacturing	2005.. 13 786 332 2004.. 13 200 215	12 718 181 12 228 714	1 068 151 971 501	925 700 824 833	13 116 22 994	129 335 123 674	316 974 263 441	1 1
333414	Heating equipment (except warm air furnaces) manufacturing	2005.. 5 039 362 2004.. 4 449 725	4 607 620 4 132 302	431 742 317 423	405 236 293 326	5 247 5 688	21 259 18 408	68 168 67 042	3 2
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	2005.. 28 815 585 2004.. 25 948 889	27 976 606 24 838 098	838 979 1 110 792	715 613 973 310	1 328 1 801	122 038 135 681	543 237 539 215	1 1
33341N	Ventilation equipment manufacturing	2005.. 4 218 219 2004.. 3 975 513	3 896 271 3 675 553	321 948 299 960	199 647 200 024	43 085 35 774	79 216 64 162	82 609 87 394	3 2
333511	Industrial mold manufacturing	2005.. 5 440 880 2004.. 5 099 472	5 084 980 4 780 703	355 900 318 768	141 131 113 810	109 260 99 441	105 508 105 518	100 973 179 002	2 2
333512	Machine tool (metal cutting types) manufacturing	2005.. 4 110 023 2004.. 3 445 604	3 404 136 2 908 888	705 887 536 717	607 226 400 375	23 392 26 198	75 269 110 144	39 120 D	2 2
333513	Machine tool (metal forming types) manufacturing	2005.. 1 341 140 2004.. 1 197 833	1 243 173 1 102 007	97 967 95 826	61 505 59 786	D 5 722	D 30 318	— D	2 2
333514	Special die and tool, die set, jig, and fixture manufacturing	2005.. 7 835 426 2004.. 7 046 678	7 360 047 6 743 307	475 380 303 371	297 684 148 778	134 297 127 195	43 398 27 398	146 083 158 055	2 2
333515	Cutting tool and machine tool accessory manufacturing	2005.. 4 927 597 2004.. 4 539 407	4 404 944 4 109 612	522 653 429 795	426 656 331 549	49 429 56 269	46 568 41 977	70 863 69 287	2 2
333516	Rolling mill machinery and equipment manufacturing	2005.. 613 908 2004.. 479 062	563 907 439 247	50 001 39 815	7 424 7 552	9 758 4 124	32 819 28 139	D D	4 2
333518	Other metalworking machinery manufacturing	2005.. 2 679 926 2004.. 2 783 535	2 531 649 2 651 686	148 277 131 849	116 404 102 504	D 11 361	D 17 984	D 38 015	9 8

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		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts		
		A	B	C	D	E	F		
333	Machinery manufacturing—Con.								
333611	Turbine and turbine generator set unit manufacturing	2005.. 6 825 142 2004.. 6 255 177	2005.. 6 470 607 2004.. 5 674 345	2005.. 354 535 2004.. 580 832	2005.. 286 492 2004.. 541 839	2005.. 55 655 2004.. D	2005.. 12 388 2004.. D	2005.. 1 244 374 2004.. 1 150 520	2 1
333612	Speed changer, industrial high-speed drive, and gear manufacturing	2005.. 2 097 502 2004.. 1 951 053	2005.. 2 054 447 2004.. 1 910 642	2005.. 43 056 2004.. 40 411	2005.. 19 097 2004.. 18 441	2005.. 14 286 2004.. 13 571	2005.. 9 672 2004.. 8 399	2005.. 53 501 2004.. 57 212	3 3
333613	Mechanical power transmission equipment manufacturing	2005.. 3 072 232 2004.. 2 822 613	2005.. 2 904 299 2004.. 2 665 311	2005.. 167 932 2004.. 157 301	2005.. 148 727 2004.. 142 167	2005.. 7 929 2004.. D	2005.. 11 275 2004.. D	2005.. 351 791 2004.. 335 796	1 1
333618	Other engine equipment manufacturing	2005.. 27 109 383 2004.. 24 119 604	2005.. 26 457 553 2004.. 23 551 978	2005.. 651 830 2004.. 567 626	2005.. 598 454 2004.. 473 889	2005.. 19 416 2004.. 17 624	2005.. 33 960 2004.. 76 113	2005.. 4 251 590 2004.. 2 905 614	1 1
333911	Pump and pumping equipment manufacturing	2005.. 9 109 729 2004.. 8 247 911	2005.. 8 581 262 2004.. 7 821 536	2005.. 528 467 2004.. 426 375	2005.. D 2004.. D	2005.. 3 819 2004.. D	2005.. D 2004.. D	2005.. 1 397 851 2004.. 203 435	1 1
333912	Air and gas compressor manufacturing	2005.. 6 924 189 2004.. 5 592 921	2005.. 6 349 843 2004.. 5 015 227	2005.. 574 346 2004.. 577 694	2005.. 524 255 2004.. 539 070	2005.. 6 584 2004.. 6 266	2005.. 43 507 2004.. 32 358	2005.. 112 561 2004.. 484 423	11 3
333913	Measuring and dispensing pump manufacturing	2005.. 1 003 180 2004.. 1 001 653	2005.. 909 316 2004.. 842 593	2005.. 93 864 2004.. 159 059	2005.. D 2004.. D	2005.. — 2004.. D	2005.. D 2004.. D	2005.. — 2004.. 188	1 1
33392M	Material handling equipment manufacturing	2005.. 22 207 375 2004.. 18 775 513	2005.. 20 337 887 2004.. 17 261 519	2005.. 1 869 488 2004.. 1 513 994	2005.. 1 316 322 2004.. 994 662	2005.. 91 086 2004.. 97 686	2005.. 462 080 2004.. 421 645	2005.. 798 694 2004.. 673 398	2 2
333991	Power-driven hand tool manufacturing	2005.. 2 580 940 2004.. 2 787 570	2005.. 2 300 612 2004.. 2 647 865	2005.. 280 328 2004.. 139 706	2005.. 274 246 2004.. 140 110	2005.. D 2004.. 773	2005.. D 2004.. S	2005.. 30 730 2004.. D	2 2
333993	Packaging machinery manufacturing	2005.. 4 025 505 2004.. 3 953 320	2005.. 3 653 007 2004.. 3 567 820	2005.. 372 498 2004.. 385 499	2005.. 273 394 2004.. 289 279	2005.. 34 376 2004.. 35 885	2005.. 64 728 2004.. 60 336	2005.. 63 966 2004.. 90 724	2 2
333994	Industrial process furnace and oven manufacturing	2005.. 1 901 163 2004.. 1 581 531	2005.. 1 749 029 2004.. 1 464 968	2005.. 152 134 2004.. 116 563	2005.. 117 359 2004.. 87 358	2005.. D 2004.. 13 979	2005.. D 2004.. 15 226	2005.. 24 653 2004.. D	4 4
33399N	Fluid power equipment manufacturing	2005.. 7 804 902 2004.. 6 719 761	2005.. 7 461 043 2004.. 6 407 274	2005.. 343 859 2004.. 312 487	2005.. 304 035 2004.. 248 678	2005.. 7 468 2004.. 5 234	2005.. 32 356 2004.. 58 575	2005.. 621 105 2004.. 656 199	1 1
33399P	All other miscellaneous general purpose machinery manufacturing	2005.. 16 598 173 2004.. 14 954 885	2005.. 15 407 229 2004.. 13 870 092	2005.. 1 190 944 2004.. 1 084 794	2005.. 1 031 684 2004.. 873 011	2005.. 68 984 2004.. 94 136	2005.. 90 277 2004.. 117 647	2005.. 221 908 2004.. 85 282	4 3
334	Computer and electronic product manufacturing	2005.. 373 931 892 2004.. 365 544 597	2005.. 355 102 079 2004.. 348 321 564	2005.. 18 829 813 2004.. 17 223 033	2005.. 14 457 398 2004.. 12 637 070	2005.. 804 667 2004.. 567 318	2005.. 3 567 748 2004.. 4 018 645	2005.. 13 750 804 2004.. 14 842 114	1 1
334111	Electronic computer manufacturing	2005.. 43 531 376 2004.. 41 044 763	2005.. 42 995 804 2004.. 40 663 312	2005.. 535 572 2004.. 381 451	2005.. 389 807 2004.. 294 585	2005.. D 2004.. D	2005.. D 2004.. D	2005.. 96 028 2004.. D	1 1
334112	Computer storage device manufacturing	2005.. 8 127 620 2004.. 6 760 885	2005.. 7 439 203 2004.. 6 370 185	2005.. 688 417 2004.. 390 700	2005.. 592 764 2004.. 345 106	2005.. D 2004.. D	2005.. D 2004.. D	2005.. D 2004.. D	1 2
334113	Computer terminal manufacturing	2005.. 260 649 2004.. 240 540	2005.. 251 655 2004.. 229 538	2005.. 8 995 2004.. 11 002	2005.. 4 537 2004.. 5 182	2005.. D 2004.. S	2005.. D 2004.. 6 725	2005.. — 2004.. —	2 1
334119	Other computer peripheral equipment manufacturing	2005.. 16 549 021 2004.. 15 223 477	2005.. 13 155 492 2004.. 12 118 026	2005.. 3 393 529 2004.. 3 105 451	2005.. 3 213 665 2004.. 2 838 041	2005.. 85 066 2004.. 64 930	2005.. 94 798 2004.. 202 480	2005.. D 2004.. D	2 2
334210	Telephone apparatus manufacturing	2005.. 19 058 888 2004.. 18 838 031	2005.. 18 512 137 2004.. 18 184 984	2005.. 546 751 2004.. 653 047	2005.. 479 842 2004.. 465 979	2005.. 9 847 2004.. D	2005.. 57 062 2004.. D	2005.. D 2004.. —	5 2
334220	Radio and television broadcasting and wireless communications equipment manufacturing	2005.. 35 654 498 2004.. 38 444 728	2005.. 34 388 850 2004.. 36 728 544	2005.. 1 265 649 2004.. 1 716 183	2005.. 1 135 240 2004.. 1 000 362	2005.. 67 753 2004.. 15 047	2005.. 62 656 2004.. 700 775	2005.. 255 673 2004.. 234 227	1 1
334290	Other communications equipment manufacturing	2005.. 4 346 719 2004.. 4 086 156	2005.. 4 001 484 2004.. 3 750 706	2005.. 345 236 2004.. 335 450	2005.. 333 410 2004.. 242 312	2005.. D 2004.. D	2005.. D 2004.. D	2005.. D 2004.. 326 837	3 2
334310	Audio and video equipment manufacturing	2005.. 10 371 228 2004.. 10 549 442	2005.. 9 600 218 2004.. 9 750 075	2005.. 771 010 2004.. 799 367	2005.. 759 346 2004.. 769 608	2005.. D 2004.. —	2005.. D 2004.. 29 759	2005.. 179 928 2004.. D	2 2
334411	Electron tube manufacturing	2005.. 963 265 2004.. 1 264 348	2005.. 948 283 2004.. 1 241 894	2005.. 14 982 2004.. 22 454	2005.. D 2004.. 21 589	2005.. — 2004.. —	2005.. D 2004.. 865	2005.. 48 098 2004.. 256 543	1 1
334412	Bare printed circuit board manufacturing	2005.. 5 182 630 2004.. 5 612 256	2005.. 5 024 757 2004.. 5 466 447	2005.. 157 873 2004.. 145 809	2005.. 98 510 2004.. 101 805	2005.. 46 303 2004.. 29 894	2005.. 13 060 2004.. 14 110	2005.. 174 927 2004.. 216 979	2 2
334413	Semiconductor and related device manufacturing	2005.. 75 490 730 2004.. 72 355 695	2005.. 74 541 278 2004.. 71 477 427	2005.. 949 452 2004.. 878 268	2005.. 853 567 2004.. 783 842	2005.. 48 243 2004.. 49 715	2005.. 47 642 2004.. 44 711	2005.. 7 093 211 2004.. 7 857 395	1 1
334414	Electronic capacitor manufacturing	2005.. 1 179 137 2004.. 1 255 925	2005.. 1 111 720 2004.. 1 088 493	2005.. 67 417 2004.. 167 432	2005.. 67 342 2004.. 167 409	2005.. — 2004.. —	2005.. 75 2004.. 23	2005.. D 2004.. D	4 4

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NAICS code	Industry	Value of shipments			Total miscellaneous receipts			Interplant transfers	Relative standard error of estimate ² (percent) for column—
		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts		
		A	B	C	D	E	F		
334	Computer and electronic product manufacturing—Con.								
334415	Electronic resistor manufacturing	2005.. 656 940 2004.. 711 821	2005.. 614 493 2004.. 645 024	2005.. 42 447 2004.. 66 797	D 66 666	— —	D 131	D D	3 3
334416	Electronic coil, transformer, and other inductor manufacturing	2005.. 1 168 331 2004.. 1 154 386	2005.. 1 071 963 2004.. 1 055 536	2005.. 96 368 2004.. 98 849	90 520 93 732	D 223	D 4 894	35 750 28 229	5 3
334417	Electronic connector manufacturing	2005.. 3 987 909 2004.. 3 724 660	2005.. 3 899 422 2004.. 3 660 127	2005.. 88 487 2004.. 64 533	60 107 52 011	7 413 7 413	20 967 5 109	123 625 123 120	3 3
334418	Printed circuit assembly (electronic assembly) manufacturing	2005.. 22 215 734 2004.. 21 448 576	2005.. 21 130 464 2004.. 20 558 190	2005.. 1 085 270 2004.. 890 386	762 065 609 318	168 411 143 285	154 794 137 783	1 296 265 1 401 826	2 2
334419	Other electronic component manufacturing	2005.. 9 261 165 2004.. 8 659 082	2005.. 8 807 018 2004.. 8 331 347	2005.. 454 147 2004.. 327 734	377 322 246 324	D D	D D	187 315 163 517	2 2
334510	Electromedical and electrotherapeutic apparatus manufacturing	2005.. 19 628 343 2004.. 17 501 197	2005.. 18 998 933 2004.. 16 838 620	2005.. 629 410 2004.. 662 577	513 806 482 423	25 686 18 714	89 917 161 440	D 166 660	2 2
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2005.. 36 875 423 2004.. 39 454 628	2005.. 34 187 621 2004.. 37 447 106	2005.. 2 687 802 2004.. 2 007 522	979 100 698 098	23 417 23 570	1 685 285 1 285 854	969 738 1 196 807	2 10
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	2005.. 2 368 428 2004.. 2 784 376	2005.. 2 046 148 2004.. 2 439 212	2005.. 322 281 2004.. 345 164	295 109 316 498	11 112 D	16 060 D	192 636 213 977	2 1
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	2005.. 7 745 747 2004.. 7 432 648	2005.. 7 161 021 2004.. 6 902 917	2005.. 584 726 2004.. 529 731	441 459 367 922	52 828 58 324	90 439 103 486	189 623 184 382	1 1
334514	Totalizing fluid meter and counting device manufacturing	2005.. 5 199 888 2004.. 5 403 135	2005.. 5 148 596 2004.. 5 338 628	2005.. 51 292 2004.. 64 507	49 133 47 213	— D	2 159 D	177 417 139 358	1 1
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2005.. 11 226 438 2004.. 11 276 687	2005.. 10 794 365 2004.. 10 837 116	2005.. 432 073 2004.. 439 571	216 131 236 229	24 023 15 660	191 919 187 682	594 393 821 885	2 2
334516	Analytical laboratory instrument manufacturing	2005.. 9 155 226 2004.. 8 200 346	2005.. 8 290 126 2004.. 7 531 153	2005.. 865 101 2004.. 669 192	571 434 475 807	17 666 7 649	276 001 185 736	D D	1 1
334517	Irradiation apparatus manufacturing	2005.. 8 016 868 2004.. 6 988 162	2005.. 7 279 569 2004.. 6 403 099	2005.. 737 299 2004.. 585 063	479 744 372 596	275 275	257 280 212 191	D D	1 1
334518	Watch, clock, and parts manufacturing	2005.. 641 272 2004.. 618 523	2005.. 575 679 2004.. 571 905	2005.. 65 593 2004.. 46 618	60 553 41 243	1 515 D	3 526 D	63 63	2 1
334519	Other measuring and controlling device manufacturing	2005.. 7 365 541 2004.. 6 501 385	2005.. 6 595 374 2004.. 5 813 859	2005.. 770 167 2004.. 687 526	531 027 462 356	91 059 67 955	148 080 157 216	374 453 251 333	4 4
334611	Software reproducing	2005.. 463 361 2004.. 470 689	D 441 819	D 28 870	D D	D S	D D	986 1 001	3 5
334612	Prerecorded compact disc (except software), tape, and record reproducing	2005.. 4 687 222 2004.. 4 778 454	4 367 425 D	319 797 D	D D	D 8 101	89 083 75 368	D D	2 2
334613	Magnetic and optical recording media manufacturing	2005.. 2 552 295 2004.. 2 759 599	D D	D D	D D	D —	8 844 D	D D	1 1
335	Electrical equipment, appliance, and component manufacturing	2005.. 112 007 985 2004.. 105 083 947	2005.. 105 196 667 2004.. 98 906 588	2005.. 6 811 318 2004.. 6 177 359	6 017 704 5 516 870	175 534 142 974	618 081 517 514	4 093 342 3 890 090	1 1
335110	Electric lamp bulb and parts manufacturing	2005.. 2 458 202 2004.. 2 516 190	2005.. 2 315 946 2004.. 2 391 473	2005.. 142 256 2004.. 124 718	139 526 122 182	D D	D D	167 750 111 550	2 2
33512M	Lighting fixture manufacturing	2005.. 10 595 217 2004.. 9 761 918	2005.. 9 684 273 2004.. 8 917 999	2005.. 910 944 2004.. 843 918	870 529 796 135	D D	D D	266 985 218 630	2 1
33521M	Small electrical appliance manufacturing	2005.. 3 829 515 2004.. 4 241 694	2005.. 3 270 405 2004.. 3 617 746	2005.. 559 110 2004.. 623 948	548 991 616 992	D D	D D	D D	1 1
335221	Household cooking appliance manufacturing	2005.. 5 114 677 2004.. 4 798 227	2005.. 4 685 748 2004.. 4 356 320	2005.. 428 929 2004.. 441 906	414 321 427 011	D D	D D	15 685 D	1 1
335222	Household refrigerator and home freezer manufacturing	2005.. 6 148 827 2004.. 5 875 629	2005.. 6 045 706 2004.. 5 775 578	2005.. 103 121 2004.. 100 051	D 96 686	— —	D 3 365	25 200 19 645	1 1

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NAICS code	Industry	Value of shipments			Total miscellaneous receipts			Interplant transfers	Relative standard error of estimate ² (percent) for column—
		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts		
		A	B	C	D	E	F		
335	Electrical equipment, appliance, and component manufacturing—Con.								
335224	Household laundry equipment manufacturing	2005.. 5 268 232 2004.. 5 030 660	2005.. 5 213 766 2004.. 4 970 793	2005.. 54 466 2004.. 59 867	D D	— —	D D	D D	1 1
335228	Other major household appliance manufacturing	2005.. 4 258 866 2004.. 4 042 931	2005.. 4 147 084 2004.. 3 988 476	2005.. 111 782 2004.. 54 455	101 181 D	— —	10 601 D	D D	1 1
335311	Power, distribution, and specialty transformer manufacturing	2005.. 4 266 614 2004.. 3 702 697	2005.. 3 990 565 2004.. 3 472 188	2005.. 276 049 2004.. 230 509	186 235 168 283	38 186 15 088	51 627 47 139	97 436 95 925	2 2
335312	Motor and generator manufacturing	2005.. 11 539 426 2004.. 10 310 851	2005.. 11 046 456 2004.. 9 946 164	2005.. 492 970 2004.. 364 687	294 348 221 364	34 660 35 576	163 962 107 747	678 205 658 643	2 2
335313	Switchgear and switchboard apparatus manufacturing	2005.. 8 059 622 2004.. 8 037 147	2005.. 7 550 782 2004.. 7 538 674	2005.. 508 840 2004.. 498 473	449 495 446 022	8 118 14 108	51 227 38 343	437 187 509 230	2 1
335314	Relay and industrial control manufacturing	2005.. 9 842 283 2004.. 9 678 532	2005.. 8 550 013 2004.. 8 520 707	2005.. 1 292 270 2004.. 1 157 825	1 200 000 1 081 264	26 222 27 106	66 048 49 455	257 271 253 313	2 2
335911	Storage battery manufacturing	2005.. 3 811 640 2004.. 3 493 611	2005.. 3 707 508 2004.. 3 381 102	2005.. 104 131 2004.. 112 509	D D	3 407 D	D D	D 231 849	1 1
335912	Primary battery manufacturing	2005.. 2 850 513 2004.. 2 527 341	2005.. 2 791 591 2004.. 2 475 836	2005.. 58 922 2004.. 51 505	D D	— —	D D	D 660 651	2 2
33592M	Communication and energy wire and cable manufacturing	2005.. 12 855 281 2004.. 11 285 206	2005.. 12 489 551 2004.. 10 947 132	2005.. 365 730 2004.. 338 074	303 102 300 516	S S	63 092 37 957	261 955 168 917	1 1
33593M	Wiring device manufacturing	2005.. 11 586 521 2004.. 11 113 725	2005.. 10 731 844 2004.. 10 410 873	2005.. 854 677 2004.. 702 851	814 163 662 991	3 617 3 609	36 896 36 251	324 845 201 035	1 1
335991	Carbon and graphite product manufacturing	2005.. 2 030 727 2004.. 1 773 754	2005.. 1 917 662 2004.. 1 692 038	2005.. 113 065 2004.. 81 716	100 622 68 777	D D	D D	218 097 244 580	2 1
335999	All other miscellaneous electrical equipment and component manufacturing	2005.. 7 491 822 2004.. 6 893 834	2005.. 7 057 767 2004.. 6 503 488	2005.. 434 055 2004.. 390 346	333 636 284 992	D D	D D	178 698 140 654	1 1
336	Transportation equipment manufacturing	2005.. 687 287 739 2004.. 662 000 492	2005.. 669 105 036 2004.. 645 649 590	2005.. 18 182 703 2004.. 16 350 902	13 297 333 12 390 853	1 151 632 1 079 820	3 733 738 2 880 229	108 642 147 115 141 880	1 1
336111	Automobile manufacturing	2005.. 86 760 627 2004.. 86 847 492	2005.. 85 167 115 2004.. D	2005.. 1 593 512 2004.. D	1 167 502 D	D D	D D	D D	1 1
336112	Light truck and utility vehicle manufacturing	2005.. 147 633 579 2004.. 154 768 935	2005.. 147 463 247 2004.. D	2005.. 170 332 2004.. D	144 265 D	— —	26 067 D	48 832 083 D	1 1
336120	Heavy duty truck manufacturing	2005.. 25 072 666 2004.. 20 284 377	2005.. 24 435 600 2004.. D	2005.. 637 066 2004.. D	627 930 D	— —	9 136 D	D 396 898	1 1
336211	Motor vehicle body manufacturing	2005.. 10 796 610 2004.. 9 437 124	2005.. 10 203 631 2004.. 8 950 903	2005.. 592 979 2004.. 486 221	455 763 358 457	D D	D D	244 391 246 546	6 5
336212	Truck trailer manufacturing	2005.. 7 132 751 2004.. 5 784 940	2005.. 6 904 663 2004.. 5 581 403	2005.. 228 088 2004.. 203 536	161 982 130 705	D D	D D	46 182 36 948	3 2
336213	Motor home manufacturing	2005.. 6 241 301 2004.. 6 343 059	2005.. 6 100 119 2004.. 6 183 831	2005.. 141 181 2004.. 159 228	125 760 137 776	D —	D 21 451	— —	1 1
336214	Travel trailer and camper manufacturing	2005.. 9 344 176 2004.. 8 459 472	2005.. 9 232 165 2004.. 8 347 322	2005.. 112 012 2004.. 112 151	79 486 79 038	D D	D D	140 168 104 129	1 1
33631M	Motor vehicle gasoline engine and engine parts manufacturing	2005.. 35 400 116 2004.. 36 202 855	2005.. 34 744 034 2004.. 35 077 917	2005.. 656 082 2004.. 1 124 937	554 476 1 005 454	D 32 732	D 86 751	16 021 335 16 760 081	1 1
33632M	Motor vehicle electrical and electronic equipment manufacturing	2005.. 22 714 341 2004.. 20 420 637	2005.. 20 254 785 2004.. 18 530 780	2005.. 2 459 556 2004.. 1 889 858	2 307 361 1 747 917	131 040 127 907	21 155 14 034	2 492 074 2 033 583	3 1
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2005.. 10 853 187 2004.. 10 895 443	2005.. 10 650 466 2004.. 10 703 500	2005.. 202 721 2004.. 191 942	D 173 479	— —	D 18 464	637 318 562 218	3 2
336340	Motor vehicle brake system manufacturing	2005.. 14 076 886 2004.. 13 526 980	2005.. 12 970 478 2004.. 12 630 261	2005.. 1 106 408 2004.. 896 719	1 051 672 835 116	D D	D D	987 822 910 268	2 1
336350	Motor vehicle transmission and power train parts manufacturing	2005.. 34 614 866 2004.. 35 742 554	2005.. 33 934 136 2004.. 35 164 997	2005.. 680 731 2004.. 577 557	562 309 440 688	S 234	118 720 136 634	10 754 394 10 850 051	2 1
336360	Motor vehicle seating and interior trim manufacturing	2005.. 18 249 136 2004.. 16 776 023	2005.. 18 011 743 2004.. 16 650 160	2005.. 237 393 2004.. 125 863	D 102 141	300 D	D D	616 275 803 605	1 1
336370	Motor vehicle metal stamping	2005.. 26 707 399 2004.. 26 430 964	2005.. 25 634 529 2004.. 25 296 129	2005.. 1 072 870 2004.. 1 134 835	372 268 213 597	63 054 54 970	637 548 866 268	8 155 634 8 603 844	1 1
336391	Motor vehicle air-conditioning manufacturing	2005.. 5 728 451 2004.. 6 008 113	2005.. 5 091 807 2004.. 5 423 691	2005.. 636 643 2004.. 584 422	630 431 577 487	D D	D D	345 671 264 961	2 2

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		A	B	C	D	E	F		
336	Transportation equipment manufacturing —Con.								
336399	All other miscellaneous motor vehicle parts manufacturing	2005.. 37 997 141 2004.. 36 638 377	2005.. 37 066 665 2004.. 35 720 784	2005.. 930 476 2004.. 917 593	2005.. 815 900 2004.. 777 272	D D	D D	2 813 905 2 783 803	2 1
336411	Aircraft manufacturing	2005.. 65 413 359 2004.. 59 971 407	2005.. 64 079 151 2004.. 58 270 553	2005.. 1 334 208 2004.. 1 700 854	2005.. 1 312 059 2004.. 1 670 383	D D	D D	272 729 704 094	1 1
336412	Aircraft engine and engine parts manufacturing	2005.. 25 793 751 2004.. 24 285 649	2005.. 24 791 412 2004.. 23 260 630	2005.. 1 002 339 2004.. 1 025 019	2005.. 931 318 2004.. 945 200	65 019 D	6 001 D	2 965 322 2 303 382	1 1
336413	Other aircraft parts and auxiliary equipment manufacturing	2005.. 22 778 518 2004.. 21 593 270	2005.. 22 354 639 2004.. D	2005.. 423 878 2004.. D	2005.. 151 990 2004.. 149 323	39 582 D	232 306 147 931	1 476 759 2 800 360	1 1
336414	Guided missile and space vehicle manufacturing	2005.. 16 028 782 2004.. 11 192 093	2005.. 14 736 328 2004.. D	2005.. 1 292 454 2004.. D	D -	D D	D D	224 192 36 076	1 1
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2005.. 2 878 434 2004.. 2 876 665	D D	D D	S 254	- -	D D	515 074 536 083	1 1
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2005.. 4 212 299 2004.. 1 063 438	D D	D D	D 499	- D	D D	123 317 14 900	1 1
336510	Railroad rolling stock manufacturing	2005.. 9 205 049 2004.. 7 906 013	2005.. 8 300 579 2004.. 6 951 313	2005.. 904 470 2004.. 954 700	D D	609 963 559 448	D D	D 144 943	2 1
336611	Ship building and repairing	2005.. 14 149 583 2004.. 13 906 753	D D	D D	D D	D 7 744	D 241 478	- -	1 1
336612	Boat building	2005.. 11 366 754 2004.. 10 098 115	D D	D D	577 301 477 411	3 265 3 050	D D	22 310 24 594	1 1
336991	Motorcycle, bicycle, and parts manufacturing	2005.. 5 058 261 2004.. 4 814 987	2005.. 4 826 882 2004.. 4 546 265	2005.. 231 378 2004.. 268 722	2005.. 228 467 2004.. 265 368	471 D	2 440 D	D D	3 1
336992	Military armored vehicle, tank, and tank component manufacturing	2005.. 2 527 885 2004.. 1 891 781	2005.. 2 518 253 2004.. D	2005.. 9 632 2004.. D	2005.. 3 494 2004.. D	5 771 D	367 D	D D	2 1
336999	All other transportation equipment manufacturing	2005.. 8 551 833 2004.. 7 832 976	2005.. 8 164 511 2004.. D	2005.. 387 322 2004.. D	2005.. 368 782 2004.. D	D D	D D	D D	1 1
337	Furniture and related product manufacturing	2005.. 84 290 640 2004.. 78 279 457	2005.. 78 926 577 2004.. 73 367 489	2005.. 5 364 063 2004.. 4 911 969	2005.. 4 691 281 2004.. 4 256 009	312 786 270 620	359 996 385 340	1 326 053 1 482 386	1 1
337110	Wood kitchen cabinet and counter top manufacturing	2005.. 19 017 651 2004.. 17 151 566	2005.. 18 351 797 2004.. 16 552 307	2005.. 665 854 2004.. 599 259	2005.. 497 608 2004.. 438 615	121 111 107 507	47 136 53 137	303 349 375 172	1 1
337121	Upholstered household furniture manufacturing	2005.. 10 527 884 2004.. 10 118 820	2005.. 10 177 148 2004.. 9 803 699	2005.. 350 736 2004.. 315 121	2005.. 306 477 2004.. D	11 684 5 136	32 575 D	384 970 531 402	1 1
337122	Nonupholstered wood household furniture manufacturing	2005.. 10 530 150 2004.. 10 061 952	2005.. 9 173 195 2004.. 8 929 449	2005.. 1 356 954 2004.. 1 132 503	2005.. 1 319 920 2004.. 1 090 335	D 14 475	D 27 693	12 315 7 367	2 1
337127	Institutional furniture manufacturing	2005.. 4 978 214 2004.. 4 706 729	2005.. 4 593 088 2004.. 4 345 788	2005.. 385 125 2004.. 360 941	2005.. 314 003 2004.. 304 065	65 377 49 422	5 745 7 454	33 943 26 725	2 2
33712N	Other household nonupholstered furniture	2005.. 3 495 368 2004.. 3 347 908	2005.. 3 106 559 2004.. 2 918 915	2005.. 388 809 2004.. 428 993	2005.. 277 786 2004.. D	D 3 944	D D	12 209 11 539	2 2
337212	Custom architectural woodwork and millwork manufacturing	2005.. 4 275 819 2004.. 4 005 045	2005.. 3 982 362 2004.. 3 756 601	2005.. 293 457 2004.. 248 444	2005.. 192 058 2004.. 171 941	D 24 174	D 52 330	D D	2 2
337215	Showcase, partition, shelving, and locker manufacturing	2005.. 9 256 458 2004.. 8 600 630	2005.. 8 657 599 2004.. 8 018 370	2005.. 598 859 2004.. 582 260	2005.. 494 822 2004.. 459 709	46 674 54 824	57 363 67 727	314 565 295 047	3 2
33721N	Office furniture manufacturing	2005.. 12 792 247 2004.. 11 621 175	2005.. 11 989 842 2004.. 10 874 792	2005.. 802 405 2004.. 746 384	2005.. 785 781 2004.. 718 786	D 3 388	D 24 210	D D	1 1
337910	Mattress manufacturing	2005.. 6 435 123 2004.. 5 858 854	2005.. 6 273 910 2004.. 5 743 465	2005.. 161 212 2004.. 115 390	2005.. 146 562 2004.. 97 497	D 5 050	D 12 843	13 203 19 353	3 2
337920	Blind and shade manufacturing	2005.. 2 981 727 2004.. 2 806 779	2005.. 2 621 076 2004.. 2 424 104	2005.. 360 651 2004.. 382 675	2005.. 356 265 2004.. 378 905	D 2 701	D 1 070	136 085 110 303	3 2
339	Miscellaneous manufacturing	2005.. 144 381 799 2004.. 131 916 245	2005.. 132 110 836 2004.. 120 948 970	2005.. 12 270 963 2004.. 10 967 275	2005.. 9 845 476 2004.. 8 668 983	642 382 552 311	1 783 105 1 745 981	3 426 907 3 220 144	1 1
339111	Laboratory apparatus and furniture manufacturing	2005.. 5 484 784 2004.. 4 962 917	2005.. 5 027 583 2004.. 4 593 731	2005.. 457 201 2004.. 369 186	2005.. 311 276 2004.. 277 463	97 602 51 840	48 324 39 883	1 867 6 662	2 1
339112	Surgical and medical instrument manufacturing	2005.. 26 820 790 2004.. 23 043 892	2005.. 25 852 962 2004.. 22 122 101	2005.. 967 828 2004.. 921 791	2005.. 778 282 2004.. 754 876	72 933 70 098	116 612 96 817	870 715 718 246	2 2

See footnotes at end of table.

Table 7. Value of Shipments by Industry: 2005 and 2004—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Value of shipments			Total miscellaneous receipts			Interplant transfers	Relative standard error of estimate ² (percent) for column—
		Total	Products ¹	Total miscellaneous receipts	Value of resales	Contract receipts	Other miscellaneous receipts		
		A	B	C	D	E	F		
339	Miscellaneous manufacturing—Con.								
339113	Surgical appliance and supplies manufacturing	2005.. 29 682 572	2004.. 27 186 823	2 495 749	2 382 310	60 005	53 434	816 916	1
		26 494 818	24 567 892	1 926 926	1 806 942	65 389	54 595	872 128	1
339114	Dental equipment and supplies manufacturing	2005.. 3 978 203	2004.. 3 511 327	466 876	428 563	2 387	35 926	8 286	2
		3 688 115	3 272 650	415 465	382 070	2 252	31 144	9 847	2
339115	Ophthalmic goods manufacturing	2005.. 5 216 415	2004.. 4 967 628	248 786	226 910	18 135	3 741	56 745	2
		4 790 580	4 518 528	272 052	252 945	16 393	2 713	49 763	1
339116	Dental laboratories	2005.. 4 024 683	2004.. 3 816 869	207 814	182 749	2 961	22 104	1 335	2
		3 796 869	3 610 259	186 610	163 043	2 271	21 296	1 436	2
33991M	Jewelry and silverware manufacturing	2005.. 9 964 531	2004.. 8 746 223	1 218 308	1 167 757	24 793	25 757	38 844	1
		9 294 549	8 223 639	1 070 909	1 034 024	18 138	18 747	D	1
339920	Sporting and athletic goods manufacturing	2005.. 12 429 252	2004.. 11 214 010	1 215 243	1 151 290	20 685	43 268	D	1
		11 677 778	10 669 837	1 007 941	941 420	23 698	42 823	D	1
33993M	Doll, toy, and game manufacturing	2005.. 3 751 283	2004.. 3 267 108	484 175	449 405	31 911	2 860	D	3
		3 558 885	3 156 774	402 111	383 207	15 511	3 393	11 894	3
33994M	Office supplies (except paper) manufacturing	2005.. 3 840 310	2004.. 3 368 779	471 530	459 618	7 940	3 972	136 381	1
		3 852 703	3 430 897	421 806	413 900	3 290	4 615	163 023	1
339950	Sign manufacturing	2005.. 10 653 282	2004.. 9 550 691	1 102 591	693 853	136 231	272 507	166 801	2
		9 977 836	8 903 516	1 074 319	655 680	135 776	282 863	44 604	2
339991	Gasket, packing, and sealing device manufacturing	2005.. 6 248 119	2004.. 6 000 080	248 039	225 672	3 439	18 928	576 569	1
		5 883 366	5 645 602	237 764	213 888	3 467	20 409	617 548	1
339992	Musical instrument manufacturing	2005.. 1 678 173	2004.. 1 564 739	113 435	99 161	6 093	8 181	3 758	2
		1 629 223	1 530 378	98 845	86 166	5 806	6 873	—	1
339993	Fastener, button, needle, and pin manufacturing	2005.. 846 046	2004.. 824 362	21 684	14 408	3 311	3 965	D	12
		790 239	769 561	20 677	13 671	3 311	3 695	D	12
339994	Broom, brush, and mop manufacturing	2005.. 2 368 389	2004.. 2 050 388	318 001	313 905	D	D	19 287	4
		2 292 180	1 988 973	303 206	299 020	2 226	1 960	D	3
339995	Burial casket manufacturing	2005.. 871 520	2004.. 858 159	13 361	9 998	D	D	D	2
		831 652	819 399	12 253	9 800	1 265	1 188	58 625	2
339999	All other miscellaneous manufacturing	2005.. 16 523 447	2004.. 14 303 105	2 220 342	950 318	150 513	1 119 511	77 908	2
		15 350 643	13 125 232	2 225 411	980 865	131 579	1 112 967	64 650	2

¹Data represent the sum of primary and secondary product shipments.

²Description of relative standard error of estimate is given in Appendix C. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note 1: Previous years' data may differ from that published in the 2004 Annual Survey of Manufactures (ASM) because of changes encountered in subsequent review of the 2005 ASM.

Note 2: The data in this table are based on the 2005 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 8. Cost of Materials: 2005

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Cost of materials						Relative standard error of estimate ¹ (percent) for column—
		Total	Materials, parts, containers, packaging, etc., used	Resales	Purchased fuels	Purchased electricity	Contract work	
		A	B	C	D	E	F	
31-33	Manufacturing	2 555 491 508	2 257 550 333	148 641 561	53 302 551	46 445 800	49 551 263	1
311	Food manufacturing	299 395 670	271 297 282	17 705 228	4 848 961	4 257 649	1 286 550	1
311111	Dog and cat food manufacturing	5 829 393	4 728 100	897 079	105 917	69 479	28 819	1
311119	Other animal food manufacturing	13 571 667	11 599 719	1 602 957	188 936	153 390	26 666	3
31121M	Flour milling and malt manufacturing	7 184 316	6 707 593	144 408	106 287	187 001	39 026	1
311221	Wet corn milling	5 414 012	4 292 777	113 634	622 310	326 828	58 463	1
311225	Fats and oils refining and blending	7 768 436	7 416 609	190 033	91 899	56 966	12 928	1
31122N	Soybean and other oilseed processing	14 126 027	13 110 230	552 458	322 644	125 237	15 459	2
311230	Breakfast cereal manufacturing	2 817 783	2 504 252	142 727	76 290	71 794	22 721	1
311313	Beet sugar manufacturing	1 533 865	1 338 717	D	139 719	28 453	D	1
31131N	Sugar cane mills and refining	3 030 066	2 868 752	D	87 476	28 292	D	1
311320	Chocolate and confectionery manufacturing from cacao beans	2 337 001	2 108 985	165 579	21 181	31 598	9 659	3
311330	Confectionery manufacturing from purchased chocolate	3 219 045	2 919 116	163 362	44 908	66 982	24 677	4
311340	Nonchocolate confectionery manufacturing	2 476 425	2 227 599	56 002	38 470	48 036	106 318	2
31141M	Frozen food manufacturing	11 902 909	11 056 423	219 633	243 620	293 767	89 465	2
31142M	Fruit and vegetable canning, pickling, and drying	15 744 898	14 290 845	642 466	479 745	243 207	88 634	1
311513	Cheese manufacturing	21 358 920	20 030 750	940 246	189 227	160 802	37 894	1
311514	Dry, condensed, and evaporated dairy product manufacturing	5 344 173	4 848 417	283 398	110 885	69 401	32 071	1
31151N	Fluid milk and butter manufacturing	20 908 532	18 421 142	2 039 095	160 131	245 334	42 830	1
311520	Ice cream and frozen dessert manufacturing	4 165 822	3 521 777	520 044	20 583	99 245	4 173	2
311615	Poultry processing	20 688 961	19 139 872	795 984	228 834	402 947	121 323	1
31161N	Animal (except poultry) slaughtering and processing	76 154 719	71 532 023	3 214 363	660 175	592 381	155 777	1
31171M	Seafood product preparation and packaging	6 168 437	5 419 413	481 836	115 139	106 364	45 685	3
31181M	Bread and bakery product manufacturing	11 390 779	8 699 219	2 049 373	256 189	307 935	78 064	2
31182M	Cookie, cracker, and pasta manufacturing	6 425 762	5 593 340	608 703	91 312	116 833	15 574	1
311830	Tortilla manufacturing	811 968	692 317	D	23 943	22 865	D	4
31191M	Snack food manufacturing	7 693 130	6 762 112	603 931	197 892	92 255	36 941	2
311920	Coffee and tea manufacturing	2 870 026	2 605 087	168 562	43 878	37 137	15 363	1
311930	Flavoring syrup and concentrate manufacturing	1 374 208	1 352 964	D	15 336	14 854	D	3
31194M	Seasoning and dressing manufacturing	6 529 675	6 033 399	353 297	41 792	70 782	30 405	1
31199M	All other food manufacturing	10 554 718	9 475 734	651 295	124 247	187 484	115 959	1
312	Beverage and tobacco product manufacturing	43 280 207	39 236 923	2 819 860	424 450	557 358	241 616	1
31211M	Soft drink and ice manufacturing	23 845 104	21 343 067	1 917 330	156 937	251 765	176 005	1
312120	Breweries	7 390 449	7 062 787	7 021	168 229	149 372	3 040	1
312130	Wineries	4 437 849	3 935 246	379 286	22 875	66 947	33 495	2
312140	Distilleries	2 172 309	2 003 489	124 048	22 050	14 025	8 697	2
312210	Tobacco stemming and redrying	556 933	518 412	12 496	D	6 511	D	1
31222M	Tobacco product manufacturing	4 877 563	4 373 922	379 679	D	68 738	D	1
313	Textile mills	23 572 738	20 784 478	600 909	635 791	1 001 528	550 033	1
31311M	Fiber, yarn, and thread mills	7 279 161	6 745 290	34 538	83 176	361 975	54 181	1
313210	Broadwoven fabric mills	4 657 439	4 001 297	109 186	114 846	236 544	195 566	2
31322M	Narrow fabric mills and schiffli machine embroidery	578 526	486 573	47 999	16 007	21 214	6 733	4
313230	Nonwoven fabric mills	2 947 520	2 553 431	77 749	81 852	135 083	99 405	1
31324M	Knit fabric mills	1 631 469	1 432 474	23 344	57 915	62 842	54 893	2
31331M	Textile and fabric finishing mills	4 749 807	4 059 018	150 942	252 547	158 692	128 608	3
313320	Fabric coating mills	1 728 817	1 506 394	157 150	29 449	25 178	10 647	3
314	Textile product mills	22 035 743	19 409 250	1 698 334	256 678	292 213	379 268	1
314110	Carpet and rug mills	11 472 954	10 751 757	300 641	173 363	131 250	115 944	1
31412M	Curtain and linen mills	4 860 030	3 822 565	847 054	30 865	47 402	112 143	2
31491M	Textile bag and canvas mills	1 688 138	1 504 070	126 782	6 686	13 470	37 130	5
314991	Rope, cordage, and twine mills	385 927	295 623	D	2 767	8 439	D	5
314992	Tire cord and tire fabric mills	829 025	746 518	D	19 147	40 402	D	1
314999	All other miscellaneous textile product mills	2 799 669	2 288 718	343 056	23 850	51 250	92 795	4

See footnotes at end of table.

Table 8. Cost of Materials: 2005—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Cost of materials						Relative standard error of estimate ¹ (percent) for column—
		Total	Materials, parts, containers, packaging, etc., used	Resales	Purchased fuels	Purchased electricity	Contract work	
		A	B	C	D	E	F	
31-33	Manufacturing—Con.							
315	Apparel manufacturing	15 219 424	9 085 684	3 566 768	126 645	188 510	2 251 817	1
31511M	Hosiery and sock mills	1 552 440	1 071 407	375 138	30 214	48 589	27 092	3
31519M	Other apparel knitting mills	753 250	571 095	55 388	11 653	13 300	101 814	6
31521M	Cut and sew apparel contractors	1 103 032	672 350	146 211	42 026	27 998	214 447	9
31522M	Men's and boys' cut and sew apparel manufacturing ..	3 386 991	2 130 358	754 644	21 454	41 119	439 416	2
31523M	Women's and girls' cut and sew apparel manufacturing ..	6 479 848	3 211 979	1 864 824	12 875	36 106	1 354 064	1
31529M	Other cut and sew apparel manufacturing	616 021	447 365	87 814	2 272	9 225	69 346	5
31599M	Apparel accessories and other apparel manufacturing	1 327 842	981 128	282 750	6 152	12 173	45 639	5
316	Leather and allied product manufacturing	3 184 270	2 695 793	266 084	35 561	52 202	134 630	1
316110	Leather and hide tanning and finishing	1 260 851	1 175 607	15 064	26 635	27 948	15 597	1
31621M	Footwear manufacturing	982 677	857 050	72 708	3 560	13 959	35 400	1
31699M	Other leather and allied product manufacturing	940 742	663 136	178 311	5 366	10 296	83 634	4
321	Wood product manufacturing	67 739 453	61 615 442	3 236 602	766 848	1 445 656	674 704	1
32111M	Sawmills and wood preservation	22 004 990	20 226 480	785 086	269 245	479 763	244 416	2
321219	Reconstituted wood product manufacturing	4 386 426	3 722 122	61 551	230 978	321 524	50 251	2
32121N	Veneer and plywood manufacturing	5 763 928	5 436 681	57 104	65 193	157 465	47 485	2
32121P	Engineered wood product manufacturing	5 540 784	5 078 053	354 516	27 959	53 323	26 933	2
32191M	Millwork	17 265 396	15 496 100	1 311 270	90 260	247 959	119 807	2
321920	Wood container and pallet manufacturing	3 225 515	2 867 270	228 200	27 747	62 653	39 645	2
321991	Manufactured home (mobile home) manufacturing ..	4 159 192	4 093 817	4 940	9 269	22 734	28 432	1
321992	Prefabricated wood building manufacturing	2 494 764	2 205 012	186 134	9 169	14 670	79 778	2
321999	All other miscellaneous wood product manufacturing ..	2 898 457	2 490 106	247 801	37 028	85 565	37 957	4
322	Paper manufacturing	87 243 345	73 388 597	3 877 445	5 240 075	3 587 636	1 149 592	1
322110	Pulp mills	2 376 534	1 956 821	D	264 303	87 348	D	1
32212M	Paper and newsprint mills	23 645 273	18 263 339	708 648	2 526 787	1 694 036	452 462	2
322130	Paperboard mills	10 861 988	7 921 052	D	1 743 701	919 547	D	1
32221M	Paperboard container manufacturing	28 526 390	26 055 719	1 398 792	347 635	441 095	283 149	1
32222N	Coated and laminated paper and packaging manufacturing ..	7 205 892	6 656 162	206 058	158 909	142 880	41 883	2
32222P	Coated, uncoated, and multiwall bag and packaging manufacturing ..	3 871 098	3 496 247	231 057	36 222	53 913	53 659	2
32223M	Stationery product manufacturing	4 727 832	4 091 661	492 877	11 646	74 750	56 898	1
322291	Sanitary paper product manufacturing	3 579 093	2 996 047	344 488	97 704	104 608	36 246	2
322299	All other converted paper product manufacturing	2 449 246	1 951 549	355 961	53 167	69 460	19 109	4
323	Printing and related support activities	38 425 315	31 324 999	2 425 067	408 882	1 065 516	3 200 851	1
32311M	Printing	37 142 627	30 412 915	2 327 904	396 197	1 019 248	2 986 363	1
32312M	Support activities for printing	1 282 687	912 083	97 163	12 684	46 268	214 488	5
324	Petroleum and coal products manufacturing	363 312 086	328 264 017	21 275 595	9 375 008	2 871 779	1 525 688	1
324110	Petroleum refineries	345 883 065	312 558 914	20 711 941	8 619 366	2 626 760	1 366 084	1
324121	Asphalt paving mixture and block manufacturing	5 383 462	4 501 454	171 387	497 503	106 061	107 057	3
324122	Asphalt shingle and coating materials manufacturing ..	5 182 719	4 781 025	194 529	133 158	65 948	8 059	1
324191	Petroleum lubricating oil and grease manufacturing ..	5 182 857	4 919 703	127 180	79 624	39 127	17 224	2
324199	All other petroleum and coal products manufacturing ..	1 679 982	1 502 921	70 558	45 356	33 883	27 263	9
325	Chemical manufacturing	280 033 234	231 616 609	23 905 402	13 484 468	7 725 007	3 301 749	1
325110	Petrochemical manufacturing	28 707 830	24 493 432	D	2 515 737	D	49 818	1
325120	Industrial gas manufacturing	3 231 332	2 056 654	171 451	105 384	887 448	10 395	2
32513M	Synthetic dye and pigment manufacturing	3 058 244	2 542 490	D	201 125	D	66 601	1
325181	Alkalies and chlorine manufacturing	3 243 917	1 470 198	D	1 052 100	566 892	D	1
325182	Carbon black manufacturing	692 663	591 053	D	53 693	39 423	D	3
325188	All other basic inorganic chemical manufacturing	6 867 962	4 722 404	636 610	543 556	798 144	167 248	2
32519M	Other basic organic chemical manufacturing	49 856 750	42 091 448	2 015 920	4 004 572	1 293 693	451 117	1
325211	Plastics material and resin manufacturing	48 379 019	43 636 998	270 521	2 472 661	1 478 357	520 482	1
325212	Synthetic rubber manufacturing	4 444 619	3 826 455	212 242	274 477	105 806	25 638	1
32522M	Artificial and synthetic fibers and filaments manufacturing ..	5 160 733	4 467 719	58 920	365 619	206 730	61 745	2
325311	Nitrogenous fertilizer manufacturing	2 921 433	2 262 152	89 423	369 548	155 433	44 877	1
325312	Phosphatic fertilizer manufacturing	3 817 207	3 459 697	92 800	83 056	99 890	81 765	1
325314	Fertilizer (mixing only) manufacturing	2 118 610	1 801 546	261 458	22 718	20 837	12 050	2

See footnotes at end of table.

Table 8. Cost of Materials: 2005—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Cost of materials						Relative standard error of estimate ¹ (percent) for column—
		Total	Materials, parts, containers, packaging, etc., used	Resales	Purchased fuels	Purchased electricity	Contract work	
		A	B	C	D	E	F	
31-33	Manufacturing—Con.							
325	Chemical manufacturing—Con.							
325320	Pesticide and other agricultural chemical manufacturing	4 694 545	4 379 933	94 463	86 168	71 973	62 008	5
325411	Medicinal and botanical manufacturing	3 769 613	3 419 105	99 357	129 447	88 774	32 929	5
325412	Pharmaceutical preparation manufacturing	32 527 834	27 265 331	3 713 129	343 696	479 449	726 228	1
325413	In-vitro diagnostic substance manufacturing	3 009 632	1 979 269	935 859	12 222	46 883	35 398	1
325414	Biological product (except diagnostic) manufacturing ..	3 042 558	2 047 985	798 315	36 765	59 050	100 443	1
325510	Paint and coating manufacturing	11 180 291	10 373 683	597 295	67 202	100 881	41 229	1
325520	Adhesive manufacturing	4 607 278	4 237 834	204 389	51 900	64 128	49 027	2
32561M	Soap and cleaning compound manufacturing	17 133 075	13 736 882	2 781 324	296 219	145 429	173 220	1
325620	Toilet preparation manufacturing	17 137 138	9 411 018	7 183 726	42 073	102 895	397 426	1
325910	Printing ink manufacturing	3 071 739	2 671 559	361 179	10 699	24 450	3 852	8
325920	Explosives manufacturing	610 429	526 369	61 054	11 906	8 233	2 867	3
325991	Custom compounding of purchased resins	5 739 840	5 304 606	212 090	38 619	143 824	40 702	2
32599N	All other miscellaneous chemical product and preparation manufacturing (including photographic) ..	11 008 944	8 840 787	1 600 835	293 303	189 614	84 405	1
326	Plastics and rubber products manufacturing	104 958 140	94 058 776	4 933 418	1 147 356	3 491 260	1 327 330	1
326111	Plastics bag manufacturing	4 933 176	4 527 044	185 983	23 234	159 850	37 066	2
326112	Plastics packaging film and sheet (including laminated) manufacturing	4 115 919	3 701 650	187 559	52 609	120 084	54 017	1
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	9 106 801	8 258 709	271 086	164 297	342 238	70 471	2
326121	Unsupported plastics profile shape manufacturing ...	3 101 659	2 706 795	137 999	34 343	131 063	91 460	2
326122	Plastics pipe and pipe fitting manufacturing	5 148 801	4 847 930	111 750	8 343	163 006	17 772	2
326130	Laminated plastics plate, sheet, and shape manufacturing	1 188 084	1 082 787	30 012	36 825	32 367	6 092	2
326140	Polystyrene foam product manufacturing	4 333 896	3 764 522	291 248	104 830	152 619	20 677	3
326150	Urethane and other foam product (except polystyrene) manufacturing	5 099 145	4 774 688	174 513	40 506	77 005	32 433	5
326160	Plastics bottle manufacturing	5 303 146	4 903 106	26 574	16 542	343 009	13 915	1
32619M	Other plastics product manufacturing	43 326 334	38 627 263	2 111 045	314 536	1 486 014	787 476	3
32621M	Tire manufacturing	8 930 056	7 946 367	494 868	196 317	226 900	65 604	1
326220	Rubber and plastics hoses and belting manufacturing	2 323 167	2 120 655	89 168	39 443	55 059	18 842	1
32629M	Other rubber product manufacturing	8 047 957	6 797 261	821 614	115 531	202 047	111 504	2
327	Nonmetallic mineral product manufacturing	50 014 273	38 695 514	3 418 160	4 381 298	2 435 740	1 083 560	1
327111	Vitreous china plumbing fixture and china and earthenware bathroom accessories manufacturing .	262 423	154 398	D	44 146	D	105	3
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	260 204	206 990	D	29 295	D	4 276	13
327113	Porcelain electrical supply manufacturing	395 037	266 528	63 284	27 395	25 495	12 334	5
327121	Brick and structural clay tile manufacturing	787 661	344 047	80 106	291 938	61 610	9 960	4
327122	Ceramic wall and floor tile manufacturing	369 938	186 029	106 996	56 208	20 504	202	1
327123	Other structural clay product manufacturing	70 148	40 757	5 937	16 619	4 949	1 886	3
32712N	Refractory manufacturing	969 847	777 502	71 070	71 361	37 674	12 239	3
327211	Flat glass manufacturing	1 565 116	906 726	D	443 608	122 111	D	1
327212	Other pressed and blown glass and glassware manufacturing	1 862 091	1 281 991	67 321	324 438	149 519	38 821	3
327213	Glass container manufacturing	1 795 540	1 168 445	D	419 156	201 888	D	2
327215	Glass product manufacturing made of purchased glass	5 398 185	4 680 879	239 339	72 875	199 843	205 249	1
327310	Cement manufacturing	3 585 951	1 476 682	515 380	721 810	703 827	168 253	2
327320	Ready-mix concrete manufacturing	14 483 870	13 457 572	541 878	288 648	131 655	64 118	2
32733M	Concrete pipe, brick, and block manufacturing	3 736 017	2 814 947	750 343	67 748	69 779	33 199	2
327390	Other concrete product manufacturing	4 213 134	3 494 300	240 519	66 847	85 286	326 180	3
327410	Lime manufacturing	581 828	203 209	7 596	267 072	76 342	27 609	2
327420	Gypsum product manufacturing	2 813 674	1 903 877	165 314	620 334	116 967	7 182	1
327910	Abrasive product manufacturing	1 381 244	1 136 758	139 742	35 941	49 479	19 325	3
327991	Cut stone and stone product manufacturing	969 611	802 115	63 114	18 407	34 939	51 037	4
327992	Ground or treated mineral and earth manufacturing ..	1 036 482	746 182	24 995	156 405	86 889	22 010	10
327993	Mineral wool manufacturing	2 237 622	1 574 322	105 148	297 761	206 518	53 873	2
327999	All other miscellaneous nonmetallic mineral product manufacturing	1 238 650	1 071 261	94 351	43 286	23 175	6 577	3

See footnotes at end of table.

Table 8. Cost of Materials: 2005—Con.

[Thousand dollars. Data based on the 2005 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see Note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Cost of materials						Relative standard error of estimate ¹ (percent) for column—
		Total	Materials, parts, containers, packaging, etc., used	Resales	Purchased fuels	Purchased electricity	Contract work	
		A	B	C	D	E	F	
31-33	Manufacturing—Con.							
331	Primary metal manufacturing	126 145 441	108 348 721	2 145 833	6 741 702	5 658 552	3 250 633	1
33111M	Iron and steel mills and ferroalloy manufacturing	49 798 622	41 258 246	200 167	4 381 881	2 497 464	1 460 865	2
331210	Iron and steel pipe and tube manufacturing from purchased steel	5 743 539	5 443 221	37 975	70 688	91 638	100 017	1
33122M	Rolling and drawing of purchased steel	7 269 156	6 479 888	331 812	131 074	179 906	146 476	2
331311	Alumina refining.....	769 594	431 047	D	261 840	21 054	D	1
331312	Primary aluminum production	3 041 761	1 817 411	D	90 704	1 079 004	D	1
331314	Secondary smelting and alloying of aluminum	4 275 683	3 778 398	130 954	237 523	104 464	24 344	2
331316	Aluminum extruded product manufacturing	5 602 931	5 087 409	148 948	145 798	122 434	98 343	1
33131N	Aluminum rolling and drawing	12 732 017	11 584 117	427 901	378 797	193 922	147 280	1
331411	Primary smelting and refining of copper	2 498 541	2 411 002	D	57 388	19 605	D	1
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	2 061 576	1 701 389	D	63 728	147 006	D	3
33142M	Copper rolling, drawing, extruding, and alloying	13 145 666	12 683 945	86 992	124 470	168 845	81 413	1
33149M	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	4 877 007	4 345 230	111 614	108 888	153 108	158 167	2
33151M	Ferrous metal foundries	8 849 058	6 875 348	403 162	423 099	650 748	496 701	2
33152N	Aluminum foundries	3 857 110	3 131 926	101 382	216 426	154 765	252 612	2
33152P	Foundries not aluminum	1 623 179	1 320 142	40 138	49 398	74 590	138 910	2
332	Fabricated metal product manufacturing	134 881 726	113 182 074	8 570 077	1 808 882	2 951 781	8 368 911	1
332114	Custom roll forming	3 933 045	3 641 898	D	D	44 397	94 126	3
332117	Powder metallurgy parts manufacturing	524 049	386 217	D	D	29 676	75 251	3
33211N	Forging	4 409 238	3 663 397	45 910	171 118	168 532	360 281	2
33211P	Crown, closure, and metal stamping manufacturing ..	6 299 903	5 446 480	227 700	66 229	129 479	430 013	3
33221N	Cutlery, kitchen utensil, pot, and pan manufacturing .	1 456 999	1 140 791	177 128	19 719	23 505	95 855	1
33221P	Hand tool and saw blade manufacturing.....	2 992 977	2 288 602	485 747	36 920	80 317	101 390	2
33231M	Plate work and fabricated structural product manufacturing	18 412 142	14 812 921	1 663 852	106 770	214 251	1 614 349	1
33232M	Ornamental and architectural metal work manufacturing	19 409 542	17 295 435	1 071 402	121 154	279 236	642 315	1
332410	Power boiler and heat exchanger manufacturing	2 041 006	1 546 556	118 682	32 503	43 040	300 225	5
332420	Metal tank (heavy gauge) manufacturing	2 594 415	2 228 037	89 706	36 841	42 512	197 319	3
33243M	Metal can, box, and other metal container (light gauge) manufacturing	9 931 598	9 424 911	141 831	129 835	196 384	38 638	1
332510	Hardware manufacturing	4 631 089	3 830 106	533 461	36 740	63 618	167 164	1
33261M	Spring and wire product manufacturing	5 082 395	3 996 829	794 391	67 657	94 268	129 250	2
332710	Machine shops	11 937 747	9 215 332	731 094	100 002	366 212	1 525 106	2
332721	Precision turned product manufacturing	3 752 793	2 962 890	115 194	31 005	126 154	517 550	2
332722	Bolt, nut, screw, rivet, and washer manufacturing....	3 842 198	2 768 262	366 438	49 285	94 085	564 127	2
33281M	Coating, engraving, heat treating, and allied activities	9 830 744	8 429 186	111 558	493 576	428 177	368 246	1
332913	Plumbing fixture fitting and trim manufacturing	1 888 118	1 601 611	239 727	10 176	16 968	19 637	4
33291N	Valve and fitting (except plumbing) manufacturing ...	8 357 063	7 036 911	743 140	57 007	180 567	339 438	1
332991	Ball and roller bearing manufacturing	2 354 027	2 067 893	29 949	51 381	90 498	114 305	2
332992	Small arms ammunition manufacturing.....	596 743	554 991	11 006	15 414	12 937	2 395	1
332993	Ammunition (except small arms) manufacturing	435 086	318 267	D	D	16 296	87 735	14
332994	Small arms manufacturing	640 664	489 591	73 981	7 237	18 530	51 327	4
332995	Other ordnance and accessories manufacturing.....	385 269	353 850	D	D	7 682	19 687	1
332996	Fabricated pipe and pipe fitting manufacturing	2 376 991	1 993 814	146 141	12 886	44 434	179 717	3
33299N	Other fabricated metal products manufacturing.....	6 765 887	5 687 295	512 151	92 948	140 025	333 467	2
333	Machinery manufacturing	161 392 386	142 226 367	12 565 380	707 057	1 675 402	4 218 179	1
333111	Farm machinery and equipment manufacturing	10 512 266	9 739 675	529 292	74 347	66 916	102 036	1
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	5 713 221	5 276 992	348 182	18 243	29 633	40 171	2
333120	Construction machinery manufacturing.....	19 973 767	17 298 582	2 330 909	87 912	89 167	167 197	1
33313M	Mining and oil and gas field machinery manufacturing	5 638 192	4 877 267	397 028	33 506	77 681	252 710	2
333210	Sawmill and woodworking machinery manufacturing .	512 116	436 743	52 989	3 386	8 386	10 611	4
333220	Plastics and rubber industry machinery manufacturing	1 449 017	1 177 562	189 404	5 971	20 053	56 026	4
333295	Semiconductor machinery manufacturing	5 634 831	5 334 094	173 548	7 560	50 352	69 278	2
33329N	Other machinery manufacturing	8 931 580	7 223 270	1 016 252	38 267	110 492	543 300	2
333313	Office machinery manufacturing.....	911 205	770 321	50 033	1 841	9 718	79 293	1

See footnotes at end of table.

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		Total	Materials, parts, containers, packaging, etc., used	Resales	Purchased fuels	Purchased electricity	Contract work	
		A	B	C	D	E	F	
31-33	Manufacturing—Con.							
333	Machinery manufacturing—Con.							
333314	Optical instrument and lens manufacturing 2005..	1 311 168	1 118 603	96 182	3 456	38 713	54 214	3
333315	Photographic and photocopying equipment manufacturing 2005..	1 056 938	819 843	197 350	3 282	22 843	13 620	2
33331N	All other commercial and service industry machinery manufacturing 2005..	6 694 007	5 835 161	626 978	26 314	62 336	143 219	1
333414	Heating equipment (except warm air furnaces) manufacturing 2005..	2 286 643	1 985 482	232 480	14 124	23 274	31 282	4
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing 2005..	15 485 060	14 569 758	587 395	51 624	131 679	144 603	2
33341N	Ventilation equipment manufacturing 2005..	2 064 332	1 800 494	171 032	12 904	26 590	53 312	3
333511	Industrial mold manufacturing 2005..	1 784 305	1 293 563	100 580	18 729	73 530	297 902	4
333512	Machine tool (metal cutting types) manufacturing 2005..	2 280 420	1 653 048	505 223	8 475	24 314	89 359	2
333513	Machine tool (metal forming types) manufacturing 2005..	582 801	490 446	47 574	3 194	10 041	31 545	3
333514	Special die and tool, die set, jig, and fixture manufacturing 2005..	2 620 668	1 943 884	213 847	19 896	82 189	360 852	3
333515	Cutting tool and machine tool accessory manufacturing 2005..	1 706 351	1 240 173	288 777	11 740	60 301	105 361	3
333516	Rolling mill machinery and equipment manufacturing 2005..	310 417	268 683	5 971	6 163	6 442	23 159	5
333518	Other metalworking machinery manufacturing 2005..	1 247 471	977 346	78 087	7 887	16 551	167 599	6
333611	Turbine and turbine generator set unit manufacturing 2005..	3 702 552	3 269 711	255 630	11 133	43 124	122 955	1
333612	Speed changer, industrial high-speed drive, and gear manufacturing 2005..	936 165	818 217	11 487	12 353	22 483	71 624	4
333613	Mechanical power transmission equipment manufacturing 2005..	1 213 373	999 566	104 157	15 513	32 480	61 655	3
333618	Other engine equipment manufacturing 2005..	19 592 043	18 764 066	524 148	56 196	123 109	124 524	1
333911	Pump and pumping equipment manufacturing 2005..	4 364 052	3 806 779	372 233	15 906	44 003	125 131	1
333912	Air and gas compressor manufacturing 2005..	3 718 534	3 188 744	404 163	13 381	36 756	75 490	13
333913	Measuring and dispensing pump manufacturing 2005..	700 800	643 421	13 676	1 422	5 382	36 900	1
33392M	Material handling equipment manufacturing 2005..	13 047 726	11 502 264	1 103 890	49 138	92 995	299 439	1
333991	Power-driven hand tool manufacturing 2005..	1 376 103	1 094 102	238 433	4 797	19 666	19 105	4
333993	Packaging machinery manufacturing 2005..	1 769 494	1 442 629	231 431	5 730	20 278	69 426	3
333994	Industrial process furnace and oven manufacturing 2005..	848 013	704 921	75 412	6 467	20 329	40 884	5
33399N	Fluid power equipment manufacturing 2005..	3 665 225	3 191 247	263 088	17 746	65 381	127 763	2
33399P	All other miscellaneous general purpose machinery manufacturing 2005..	7 751 533	6 669 713	728 520	38 453	108 216	206 633	3
334	Computer and electronic product manufacturing 2005..	148 925 617	130 255 703	9 608 135	416 088	2 138 233	6 507 458	1
334111	Electronic computer manufacturing 2005..	19 059 926	18 413 755	344 169	6 887	49 218	245 897	1
334112	Computer storage device manufacturing 2005..	4 180 073	3 632 366	473 621	D	42 914	D	1
334113	Computer terminal manufacturing 2005..	119 048	113 707	3 222	D	1 616	D	2
334119	Other computer peripheral equipment manufacturing 2005..	8 735 208	7 278 315	1 248 149	29 115	70 487	109 141	2
334210	Telephone apparatus manufacturing 2005..	8 225 948	7 720 983	311 726	39 119	59 848	94 272	4
334220	Radio and television broadcasting and wireless communications equipment manufacturing 2005..	16 890 177	14 360 519	748 632	16 771	117 208	1 647 047	1
334290	Other communications equipment manufacturing 2005..	1 896 045	1 581 759	212 116	11 929	25 939	64 301	3
334310	Audio and video equipment manufacturing 2005..	7 251 288	6 545 632	634 021	9 843	27 253	34 539	2
334411	Electron tube manufacturing 2005..	459 344	407 501	11 450	5 385	19 799	15 209	1
334412	Bare printed circuit board manufacturing 2005..	1 931 611	1 671 972	77 471	17 993	88 019	76 156	2
334413	Semiconductor and related device manufacturing 2005..	15 841 100	12 623 685	680 007	106 078	710 795	1 720 535	2
334414	Electronic capacitor manufacturing 2005..	482 791	411 481	50 151	D	18 274	D	6
334415	Electronic resistor manufacturing 2005..	226 409	170 066	30 294	D	12 296	D	2
334416	Electronic coil, transformer, and other inductor manufacturing 2005..	521 703	431 647	63 397	2 615	9 995	14 048	5
334417	Electronic connector manufacturing 2005..	1 469 428	1 284 622	37 800	5 629	38 953	102 425	2
334418	Printed circuit assembly (electronic assembly) manufacturing 2005..	13 918 454	12 945 549	650 576	22 467	128 194	171 668	2
334419	Other electronic component manufacturing 2005..	3 817 436	3 325 909	273 300	13 675	70 006	134 545	2
334510	Electromedical and electrotherapeutic apparatus manufacturing 2005..	6 030 938	5 485 404	310 924	16 325	70 753	147 533	3
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing 2005..	12 021 230	9 975 979	630 158	34 067	204 630	1 176 396	3

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		A	B	C	D	E	F	
31-33	Manufacturing—Con.							
334	Computer and electronic product manufacturing—Con.							
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use 2005..	942 789	744 593	159 272	4 839	15 565	18 521	2
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables 2005..	3 162 482	2 730 685	306 990	10 739	44 991	69 077	1
334514	Totalizing fluid meter and counting device manufacturing 2005..	3 145 468	3 026 665	38 889	9 283	23 774	46 858	1
334515	Instrument manufacturing for measuring and testing electricity and electrical signals 2005..	3 799 757	3 531 930	137 427	5 167	81 196	44 037	3
334516	Analytical laboratory instrument manufacturing 2005..	3 314 222	2 823 004	409 018	6 389	40 526	35 285	1
334517	Irradiation apparatus manufacturing 2005..	4 402 230	3 914 095	455 775	3 668	18 694	9 998	1
334518	Watch, clock, and parts manufacturing 2005..	224 508	178 006	40 599	661	2 521	2 721	3
334519	Other measuring and controlling device manufacturing 2005..	2 866 129	2 419 986	337 446	7 405	41 124	60 168	4
334611	Software reproducing 2005..	183 551	D	D	904	4 385	3 401	4
334612	Prerecorded compact disc (except software), tape, and record reproducing 2005..	2 055 677	1 419 792	D	5 250	D	D	2
334613	Magnetic and optical recording media manufacturing 2005..	1 750 643	D	D	12 898	D	D	1
335	Electrical equipment, appliance, and component manufacturing 2005..	57 808 344	51 593 190	4 386 530	373 176	811 882	643 566	1
335110	Electric lamp bulb and parts manufacturing 2005..	974 296	817 478	99 066	22 917	29 761	5 074	2
33512M	Lighting fixture manufacturing 2005..	4 964 576	4 198 466	609 762	25 619	57 651	73 078	2
33521M	Small electrical appliance manufacturing 2005..	2 020 261	1 526 501	458 995	6 980	17 769	10 016	1
335221	Household cooking appliance manufacturing 2005..	3 470 792	3 132 514	288 929	21 964	22 049	5 336	1
335222	Household refrigerator and home freezer manufacturing 2005..	3 567 761	3 430 733	93 156	9 876	29 119	4 875	2
335224	Household laundry equipment manufacturing 2005..	2 744 006	2 664 264	D	24 118	21 183	D	1
335228	Other major household appliance manufacturing 2005..	2 213 983	2 084 644	D	16 064	20 985	D	1
335311	Power, distribution, and specialty transformer manufacturing 2005..	2 209 009	2 022 557	124 873	22 896	34 247	4 436	2
335312	Motor and generator manufacturing 2005..	5 922 944	5 550 368	214 845	33 890	66 861	56 981	2
335313	Switchgear and switchboard apparatus manufacturing 2005..	3 921 803	3 463 102	336 311	19 194	42 972	60 223	3
335314	Relay and industrial control manufacturing 2005..	4 685 690	3 799 700	775 035	9 611	40 139	61 205	2
335911	Storage battery manufacturing 2005..	2 118 834	1 938 394	66 033	28 719	79 434	6 255	1
335912	Primary battery manufacturing 2005..	1 436 338	1 370 950	36 150	4 314	18 947	5 977	2
33592M	Communication and energy wire and cable manufacturing 2005..	8 508 801	8 048 712	259 380	30 766	119 360	50 584	1
33593M	Wiring device manufacturing 2005..	4 948 551	4 121 312	566 598	25 085	101 963	133 593	1
335991	Carbon and graphite product manufacturing 2005..	968 657	707 486	91 926	63 398	66 506	39 341	3
335999	All other miscellaneous electrical equipment and component manufacturing 2005..	3 132 043	2 716 009	275 435	7 765	42 938	89 896	2
336	Transportation equipment manufacturing 2005..	437 355 393	414 404 188	11 539 238	1 629 729	2 888 626	6 893 611	1
336111	Automobile manufacturing 2005..	62 823 955	61 406 790	1 039 644	174 465	183 077	19 980	1
336112	Light truck and utility vehicle manufacturing 2005..	108 615 417	107 834 168	140 942	334 428	277 927	27 952	1
336120	Heavy duty truck manufacturing 2005..	21 627 964	20 931 050	581 832	34 868	44 337	35 876	1
336211	Motor vehicle body manufacturing 2005..	6 494 729	5 934 158	443 695	23 415	47 695	45 765	2
336212	Truck trailer manufacturing 2005..	4 890 938	4 702 729	119 901	14 766	29 405	24 138	3
336213	Motor home manufacturing 2005..	4 117 701	3 989 270	86 584	9 671	14 259	17 918	1
336214	Travel trailer and camper manufacturing 2005..	5 882 087	5 687 371	59 074	20 034	33 413	82 195	1
33631M	Motor vehicle gasoline engine and engine parts manufacturing 2005..	21 508 194	20 692 124	407 535	97 078	227 565	83 892	1
33632M	Motor vehicle electrical and electronic equipment manufacturing 2005..	12 621 303	10 322 144	1 980 419	56 387	140 187	122 166	5
336330	Motor vehicle steering and suspension component (except spring) manufacturing 2005..	6 492 780	6 072 101	152 905	45 631	87 548	134 595	3
336340	Motor vehicle brake system manufacturing 2005..	8 631 884	7 592 698	827 704	31 255	105 963	74 264	4
336350	Motor vehicle transmission and power train parts manufacturing 2005..	20 587 327	19 492 504	490 177	145 414	234 619	224 614	2
336360	Motor vehicle seating and interior trim manufacturing 2005..	13 899 175	13 551 593	191 133	22 359	72 147	61 942	1
336370	Motor vehicle metal stamping 2005..	14 550 394	13 334 759	317 378	94 915	223 961	579 381	2
336391	Motor vehicle air-conditioning manufacturing 2005..	3 686 013	3 020 582	590 880	10 353	31 185	33 013	2
336399	All other miscellaneous motor vehicle parts manufacturing 2005..	23 263 084	21 758 784	692 475	172 851	289 233	349 742	2

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		A	B	C	D	E	F	
31-33	Manufacturing—Con.							
336	Transportation equipment manufacturing—Con.							
336411	Aircraft manufacturing 2005	35 160 751	32 434 296	1 227 546	61 578	154 269	1 283 063	1
336412	Aircraft engine and engine parts manufacturing 2005	12 524 299	10 626 599	917 597	64 441	149 122	766 541	1
336413	Other aircraft parts and auxiliary equipment manufacturing 2005	8 137 709	6 691 132	129 058	66 920	187 644	1 062 956	1
336414	Guided missile and space vehicle manufacturing 2005	10 536 218	D	D	D	D	D	1
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing 2005	1 067 137	D	S	D	D	D	2
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing 2005	2 530 422	2 431 319	D	D	D	D	1
336510	Railroad rolling stock manufacturing 2005	5 678 221	5 206 108	232 472	28 787	34 662	176 193	1
336611	Ship building and repairing 2005	5 434 205	4 893 485	26 747	29 303	95 209	389 461	1
336612	Boat building 2005	6 495 589	5 897 440	474 587	22 566	43 528	57 469	2
336991	Motorcycle, bicycle, and parts manufacturing 2005	3 158 684	2 891 259	192 624	16 719	24 052	34 030	3
336992	Military armored vehicle, tank, and tank component manufacturing 2005	1 151 938	1 067 010	2 853	4 315	9 675	68 085	2
336999	All other transportation equipment manufacturing 2005	5 787 275	5 472 541	212 140	14 442	22 515	65 636	1
337	Furniture and related product manufacturing 2005	37 747 479	32 904 217	3 335 698	243 561	546 872	717 130	1
337110	Wood kitchen cabinet and counter top manufacturing 2005	7 697 810	6 991 154	413 229	49 612	124 627	119 188	1
337121	Upholstered household furniture manufacturing 2005	5 499 710	5 175 198	227 990	19 174	55 273	22 076	1
337122	Nonupholstered wood household furniture manufacturing 2005	4 734 780	3 655 161	897 063	28 235	96 578	57 743	2
337127	Institutional furniture manufacturing 2005	2 195 299	1 842 146	216 269	16 566	33 781	86 538	2
33712N	Other household nonupholstered furniture 2005	1 853 907	1 571 291	227 886	14 181	23 134	17 415	2
337212	Custom architectural woodwork and millwork manufacturing 2005	1 716 089	1 337 222	141 549	12 276	32 919	192 125	2
337215	Showcase, partition, shelving, and locker manufacturing 2005	4 605 862	4 010 288	327 692	50 596	76 459	140 827	3
33721N	Office furniture manufacturing 2005	4 925 433	4 262 717	509 255	40 972	73 272	39 217	1
337910	Mattress manufacturing 2005	2 974 630	2 846 973	95 239	7 870	15 875	8 673	3
337920	Blind and shade manufacturing 2005	1 543 958	1 212 067	279 526	4 080	14 955	33 330	3
339	Miscellaneous manufacturing 2005	52 821 225	43 162 309	6 761 797	250 335	802 396	1 844 388	1
339111	Laboratory apparatus and furniture manufacturing 2005	2 108 884	1 776 680	238 036	10 923	24 263	58 982	2
339112	Surgical and medical instrument manufacturing 2005	7 122 291	6 261 385	552 828	24 796	127 899	155 382	2
339113	Surgical appliance and supplies manufacturing 2005	9 152 200	6 914 795	1 664 844	40 044	126 731	405 786	1
339114	Dental equipment and supplies manufacturing 2005	1 443 133	1 078 709	291 287	3 237	16 459	53 441	4
339115	Ophthalmic goods manufacturing 2005	1 812 464	1 569 775	177 269	5 285	43 582	16 554	2
339116	Dental laboratories 2005	866 888	699 275	95 955	3 955	18 530	49 173	4
33991M	Jewelry and silverware manufacturing 2005	5 115 019	4 175 489	654 672	13 300	42 426	229 132	1
339920	Sporting and athletic goods manufacturing 2005	5 131 977	4 216 635	783 331	D	62 249	D	2
33993M	Doll, toy, and game manufacturing 2005	1 911 037	1 491 259	369 929	D	24 383	D	3
33994M	Office supplies (except paper) manufacturing 2005	1 595 603	1 225 321	304 625	9 547	26 967	29 143	2
339950	Sign manufacturing 2005	4 677 386	3 716 782	506 476	31 727	66 735	355 667	2
339991	Gasket, packing, and sealing device manufacturing 2005	2 497 032	2 176 039	145 614	28 826	78 418	68 135	2
339992	Musical instrument manufacturing 2005	636 953	515 789	85 167	7 040	13 789	15 168	3
339993	Fastener, button, needle, and pin manufacturing 2005	296 240	266 228	7 875	5 624	10 328	6 185	7
339994	Broom, brush, and mop manufacturing 2005	1 149 564	898 257	212 406	3 570	14 971	20 359	5
339995	Burial casket manufacturing 2005	356 433	336 128	7 385	4 663	7 342	914	3
339999	All other miscellaneous manufacturing 2005	6 948 122	5 843 761	664 097	43 618	97 325	299 320	2

¹Description of relative standard error of estimate is given in Appendix C. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note: The data in this table are based on the 2005 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Appendix A.

Explanation of Terms

COMPANY

A company or “enterprise” is comprised of all the establishments that operate under the ownership or control of a single organization. A company may be a business, service, or membership organization; consist of one or several establishments; and operate at one or several locations. It includes all subsidiary organizations, all establishments that are majority-owned by the company or any subsidiary, and all the establishments that can be directed or managed by the company or any subsidiary.

A company may have one or many establishments. Examples include product and service sales offices (retail and wholesale), industrial production plants, processing or assembly operations, mines or well sites, and support operations (such as an administrative office, warehouse, customer service center, or regional headquarters). Each establishment should receive, complete, and return a separate census form.

If the company operated at different physical locations, even if the individual locations are producing the same line of goods, a separate report is requested for each location. If the company operated in two or more distinct lines of manufacturing at the same location, a separate report is requested for each activity.

Establishment

An establishment is a single physical location where business is conducted or where services or industrial operations are performed. Data in this sector includes those establishments where manufacturing is performed. A separate report is required for each manufacturing establishment (plant) with one employee or more that is in operation at any time during the year.

An establishment not in operation for any portion of the year is requested to return the report form with the proper notation in the “Operational Status” section of the form. In addition, the establishment is requested to report data on any employees, capital expenditures, inventories, or shipments from inventories during the year.

NUMBER OF EMPLOYEES

This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period that included the 12th of the months specified on the report form. Included are employees on paid sick leave, paid holidays, and paid vacations; not included are proprietors and partners of unincorporated businesses.

These individuals consist of all full-time and part-time employees who are on the payrolls of establishments who worked or received pay for any part of the pay period including the 12th of March, May, August, and November.

The “all employees” number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the payroll periods including the 12th of March, May, August, and November.

Production Workers

The “production workers” number includes workers (up through the line-supervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial and guard services, product

development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Employees above the working-supervisor level are excluded from this item.

All Other Employees

The "other employees" covers nonproduction employees of the manufacturing establishment including those engaged in factory supervision above the line-supervisor level. It includes sales (including driver-salespersons), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional, and technical employees. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations utilized as a separate work force.

PAYROLL

This item includes the gross earnings of all employees on the payrolls of operating manufacturing establishments paid in the calendar year. Respondents are told they could follow the definition of payrolls used for calculating the federal withholding tax. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of corporations; it excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payrolls of manufacturing establishments.

The census definition of payrolls is identical to that recommended to all federal statistical agencies by the Office of Management and Budget. It should be noted that this definition does not include employers' social security contributions or other nonpayroll labor costs, such as employees' pension plans, group insurance premiums, and workers' compensation.

The Annual Survey of Manufactures (ASM) provides estimates of employers' total supplemental labor costs (those required by federal and state laws and those incurred voluntarily or as part of collective bargaining agreements).

TOTAL FRINGE BENEFITS

This item is the employer's costs for social security tax, unemployment tax, workmen's compensation insurance, state disability insurance pension plans, stock purchase plans, union-negotiated benefits, life insurance premiums, and insurance premiums on hospital and medical plans for employees.

Fringe benefits are divided into legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation, whether they are employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as company-operated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees.

PRODUCTION-WORKER HOURS

This item covers all hours worked or paid for at the manufacturing plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave when the employee is not at the establishment.

VALUE ADDED

This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments (products manufactured plus receipts for services rendered). The result of this calculation is adjusted by the addition of value added by merchandising operations (i.e., the difference between the sales value and the cost of merchandise sold without further manufacture, processing, or assembly) plus the net change in finished goods and work-in-process between the beginning- and end-of-year inventories.

For those industries where value of production is collected instead of value of shipments, value added is adjusted only for the change in work-in-process inventories between the beginning and end of year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

“Value added” avoids the duplication in the figure for value of shipments that results from the use of products of some establishments as materials by others. Value added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

COST OF MATERIALS

This term refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

Included in total cost of materials are:

1. Cost of parts, components, containers, etc. Includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.
2. Cost of products bought and sold in the same condition.
3. Cost of fuels consumed for heat and power. Includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.
4. Cost of purchased electricity. The cost of purchased electric energy represents the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.
5. Cost of contract work. This term applies to work done by others on materials furnished by the manufacturing establishment. The actual cost of the material is to be reported on the cost of materials, parts, and containers line of this item. The term “Contract Work” refers to the fee a company pays to another company to perform a service.

TOTAL VALUE OF SHIPMENTS

Includes the received or receivable net selling values, “Free on Board” (FOB) plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts, such as receipts for contract work performed for others, installation and repair, sales of scrap, and sales of products bought and sold without further processing. Included are all items made by or for the establishments from material owned by it, whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, including not only the direct cost of production but also a reasonable proportion of “all other costs” (including company overhead) and profit (interplant transfers).

In addition to the value for the North American Industry Classification System (NAICS) defined products, aggregates of the following categories of miscellaneous receipts are reported as part of a total establishment’s value of product shipments:

1. value of resales — sales of products bought and sold without further manufacture, processing, or assembly;
2. contract receipts — receipts for work or services that a plant performed for others on their materials; and
3. other miscellaneous receipts — includes repair work, installation, sales of scrap, etc.

Total value of shipments is comprised of three components. These components are:

1. primary product value of shipments;
2. secondary product value of shipments; and
3. total miscellaneous receipts.

Duplication in cost of materials and value of shipments

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication, since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to the paper manufacturing group of industries.

Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the annual survey.

Duplication of products within individual industries is significant within a number of industry groups, e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

INTERPLANT TRANSFERS

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, including not only the direct cost of production but also a reasonable proportion of “all other costs” (including company overhead) and profit.

CAPITAL EXPENDITURES FOR NEW AND USED PLANT AND EQUIPMENT

Represents the total new and used capital expenditures reported by establishments in operation and any known plants under construction.

These data include expenditures for:

1. Permanent additions and major alterations to manufacturing and mining establishments.

-
2. New and used machinery and equipment used for replacement and additions to plant capacity, if they are of the type for which depreciation, depletion, or (for mining establishments) Office of Minerals Exploration accounts are ordinarily maintained. In addition, for mining establishments, these data include expenditures made during the year for development and exploration of mineral properties. For manufacturing establishments, these data are broken down into three types.
 - a. Automobiles, trucks, etc. for highway use. These include vehicles acquired under a lease-purchase agreement and excludes vehicles leased or normally designed to transport materials, property, or equipment on mining, construction, petroleum development, and similar projects. These vehicles are of such size or weight as to be normally restricted by state laws or regulations from operating on public highways. It also excludes purchases of vehicles that are purchased by a company for highway use.
 - b. Computers and peripheral data processing equipment. This item includes all purchases of computers and related equipment.
 - c. All other expenditures for machinery and equipment excluding automobiles and computer equipment.

Capital expenditures include work done by contract, as well as by the establishment's own workforce.

These data exclude expenditures for land and mineral rights and cost of maintenance and repairs charged as current operating expenses.

TOTAL BEGINNING AND END OF YEAR INVENTORIES

These items are comprised of:

1. finished products;
2. work-in-process; and
3. materials, supplies, fuels, etc.

Included are those inventories that are held outside the reporting establishment, such as a warehouse operated by the reporting establishment's company or in a public warehouse.

Inventories are reported at cost or market using generally accepted accounting methods.

Appendix B.

NAICS Codes, Titles, and Descriptions

SECTOR 31-33 MANUFACTURING

The Manufacturing sector comprises establishments engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products. The assembling of component parts of manufactured products is considered manufacturing, except in cases where the activity is appropriately classified in Sector 23, Construction.

Establishments in the Manufacturing sector are often described as plants, factories, or mills and characteristically use power-driven machines and materials-handling equipment. However, establishments that transform materials or substances into new products by hand or in the worker's home and those engaged in selling to the general public products made on the same premises from which they are sold, such as bakeries, candy stores, and custom tailors, may also be included in this sector. Manufacturing establishments may process materials or may contract with other establishments to process their materials for them. Both types of establishments are included in manufacturing.

The materials, substances, or components transformed by manufacturing establishments are raw materials that are products of agriculture, forestry, fishing, mining, or quarrying as well as products of other manufacturing establishments. The materials used may be purchased directly from producers, obtained through customary trade channels, or secured without recourse to the market by transferring the product from one establishment to another, under the same ownership. The new product of a manufacturing establishment may be finished in the sense that it is ready for utilization or consumption, or it may be semifinished to become an input for an establishment engaged in further manufacturing. For example, the product of the alumina refinery is the input used in the primary production of aluminum; primary aluminum is the input to an aluminum wire drawing plant; and aluminum wire is the input for a fabricated wire product manufacturing establishment.

The subsectors in the Manufacturing sector generally reflect distinct production processes related to material inputs, production equipment, and employee skills. In the machinery area, where assembling is a key activity, parts and accessories for manufactured products are classified in the industry of the finished manufactured item when they are made for separate sale. For example, a replacement refrigerator door would be classified with refrigerators and an attachment for a piece of metal working machinery would be classified with metal working machinery. However, components, input from other manufacturing establishments, are classified based on the production function of the component manufacturer. For example, electronic components are classified in Subsector 334, Computer and Electronic Product Manufacturing and stampings are classified in Subsector 332, Fabricated Metal Product Manufacturing.

Manufacturing establishments often perform one or more activities that are classified outside the Manufacturing sector of the North American Industry Classification System (NAICS). For instance, almost all manufacturing has some captive research and development or administrative operations, such as accounting, payroll, or management. These captive services are treated the same as captive manufacturing activities. When the services are provided by separate establishments, they are classified to the NAICS sector where such services are primary, not in manufacturing.

The boundaries of manufacturing and the other sectors of the classification system can be somewhat blurry. The establishments in the manufacturing sector are engaged in the transformation of materials into new products. Their output is a new product. However, the definition of what constitutes a new product can be somewhat subjective. As clarification, the following activities are considered manufacturing in NAICS: Milk bottling and pasteurizing; Water bottling and processing;

Fresh fish packaging (oyster shucking, fish filleting); Apparel jobbing (assigning of materials to contract factories or shops for fabrication or other contract operations) as well as contracting on materials owned by others; Printing and related activities; Ready-mixed concrete production; Leather converting; Grinding of lenses to prescription; Wood preserving; Electroplating, plating, metal heat treating, and polishing for the trade; Lapidary work for the trade; Fabricating signs and advertising displays; Rebuilding or remanufacturing machinery (i.e., automotive parts) Ship repair and renovation; Machine shops; and Tire retreading. Conversely, there are activities that are sometimes considered manufacturing, but which for NAICS are classified in another sector (i.e., not classified as manufacturing).

They include: (1) Logging, classified in Sector 11, Agriculture, Forestry, Fishing and Hunting is considered a harvesting operation; (2) The beneficiating of ores and other minerals, classified in Sector 21, Mining, is considered part of the activity of mining; (3) The construction of structures and fabricating operations performed at the site of construction by contractors, is classified in Sector 23, Construction; (4) Establishments engaged in breaking of bulk and redistribution in smaller lots, including packaging, repackaging, or bottling products, such as liquors or chemicals; the customized assembly of computers; sorting of scrap; mixing paints to customer order; and cutting metals to customer order, classified in Sector 42, Wholesale Trade or Sector 44-45, Retail Trade, produce a modified version of the same product, not a new product; and (5) Publishing and the combined activity of publishing and printing, classified in Sector 51, Information, perform the transformation of information into a product where as the value of the product to the consumer lies in the information content, not in the format in which it is distributed (i.e., the book or software diskette).

311 FOOD MANUFACTURING

Industries in the Food Manufacturing subsector transform livestock and agricultural products into products for intermediate or final consumption. The industry groups are distinguished by the raw materials (generally of animal or vegetable origin) processed into food products.

The food products manufactured in these establishments are typically sold to wholesalers or retailers for distribution to consumers, but establishments primarily engaged in retailing bakery and candy products made on the premises not for immediate consumption are included.

Establishments primarily engaged in manufacturing beverages are classified in Subsector 312, Beverage and Tobacco Product Manufacturing.

3111 ANIMAL FOOD MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing food and feed for animals from ingredients, such as grains, oilseed mill products, and meat products.

31111 ANIMAL FOOD MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing food and feed for animals from ingredients, such as grains, oilseed mill products, and meat products.

311111 DOG AND CAT FOOD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing dog and cat food from ingredients, such as grains, oilseed mill products, and meat products.

311119 OTHER ANIMAL FOOD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing animal food (except dog and cat) from ingredients, such as grains, oilseed mill products, and meat products.

3112 GRAIN AND OILSEED MILLING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

-
1. milling flour or meal from grains or vegetables;
 2. preparing flour mixes or doughs from flour milled in the same establishment;
 3. milling, cleaning, and polishing rice; and
 4. malt from barley, rye, or other grains.

31121 FLOUR MILLING AND MALT MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. milling flour or meal from grains or vegetables;
2. preparing flour mixes or doughs from flour milled in the same establishment;
3. milling, cleaning, and polishing rice; and
4. malt from barley, rye, or other grains.

31121M FLOUR MILLING AND MALT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311211 Flour Milling;
2. 311212 Rice Milling; and
3. 311213 Malt Manufacturing.

311211 Flour Milling

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. milling flour or meal from grains (except rice) or vegetables and/or
2. milling flour and preparing flour mixes or doughs.

311212 Rice Milling

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. milling rice;
2. cleaning and polishing rice; or
3. milling, cleaning, and polishing rice.

The establishments in this industry may package the rice they mill with other ingredients.

311213 Malt Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing malt from barley, rye, or other grains.

31122 STARCH AND VEGETABLE FATS AND OILS MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. wet milling corn and vegetables;
2. crushing oilseeds and tree nuts;
3. refining and/or blending vegetable oils;

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4. shortening and margarine; and
 5. blending purchased animal fats with vegetable fats.

311221 WET CORN MILLING

This U.S. industry comprises establishments primarily engaged in wet milling corn and other vegetables (except to make ethyl alcohol). Examples of products made in these establishments are corn sweeteners, such as glucose, dextrose, and fructose; corn oil; and starches (except laundry).

311225 FATS AND OILS REFINING AND BLENDING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. shortening and margarine from purchased fats and oils;
2. refining and/or blending vegetable, oilseed, and tree nut oils from purchased oils; and
3. blending purchased animal fats with purchased vegetable fats.

31122N SOYBEAN AND OTHER OILSEED PROCESSING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311222 Soybean Processing and
2. 311223 Other Oilseed Processing.

311222 Soybean Processing

This U.S. industry comprises establishments engaged in crushing soybeans. Examples of products produced in these establishments are soybean oil, soybean cake and meal, and soybean protein isolates and concentrates.

311223 Other Oilseed Processing

This U.S. industry comprises establishments engaged in crushing oilseeds (except soybeans) and tree nuts, such as cottonseeds, linseeds, peanuts, and sunflower seeds.

31123 BREAKFAST CEREAL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing breakfast cereal foods.

311230 BREAKFAST CEREAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing breakfast cereal foods.

3113 SUGAR AND CONFECTIONERY PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. process agricultural inputs, such as sugarcane, beet, and cacao, to give rise to a new product (sugar or chocolate), and
2. those that begin with sugar and chocolate and process these further.

31131 SUGAR MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing raw sugar, liquid sugar, and refined sugar from sugarcane, raw cane sugar and sugarbeets.

311313 BEET SUGAR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing refined beet sugar from sugarbeets.

31131N SUGAR CANE MILLS AND REFINING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311311 Sugarcane Mills and
2. 311312 Cane Sugar Refining.

311311 Sugarcane Mills

This U.S. industry comprises establishments primarily engaged in processing sugarcane.

311312 Cane Sugar Refining

This U.S. industry comprises establishments primarily engaged in refining cane sugar from raw cane sugar.

31132 CHOCOLATE AND CONFECTIONERY MANUFACTURING FROM CACAO BEANS

This industry comprises establishments primarily engaged in shelling, roasting, and grinding cacao beans and making chocolate cacao products and chocolate confectioneries.

311320 CHOCOLATE AND CONFECTIONERY MANUFACTURING FROM CACAO BEANS

This U.S. industry comprises establishments primarily engaged in shelling, roasting, and grinding cacao beans and making chocolate cacao products and chocolate confectioneries.

31133 CONFECTIONERY MANUFACTURING FROM PURCHASED CHOCOLATE

This industry comprises establishments primarily engaged in manufacturing chocolate confectioneries from chocolate produced elsewhere. Included in this industry are establishments primarily engaged in retailing chocolate confectionery products not for immediate consumption made on the premises from chocolate made elsewhere.

311330 CONFECTIONERY MANUFACTURING FROM PURCHASED CHOCOLATE

This U.S. industry comprises establishments primarily engaged in manufacturing chocolate confectioneries from chocolate produced elsewhere. Included in this industry are establishments primarily engaged in retailing chocolate confectionery products not for immediate consumption made on the premises from chocolate made elsewhere.

31134 NONCHOCOLATE CONFECTIONERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing nonchocolate confectioneries. Included in this industry are establishments primarily engaged in retailing nonchocolate confectionery products not for immediate consumption made on the premises.

311340 NONCHOCOLATE CONFECTIONERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing nonchocolate confectioneries. Included in this industry are establishments primarily engaged in retailing nonchocolate confectionery products not for immediate consumption made on the premises.

3114 FRUIT AND VEGETABLE PRESERVING AND SPECIALTY FOOD MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

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1. frozen fruit, frozen juices, frozen vegetables, and frozen specialty foods and
 2. canned, pickled, and dried fruits, vegetables, and specialty foods.

Both types begin their production process with inputs of vegetable or animal origin.

31141 FROZEN FOOD MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing frozen fruit, frozen juices, frozen vegetables, and frozen specialty foods (except seafood), such as frozen dinners, entrees, and side dishes; frozen pizza; frozen whipped toppings; and frozen waffles, pancakes, and french toast.

31141M FROZEN FOOD MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311411 Frozen Fruit, Juice, and Vegetable Manufacturing and
2. 311412 Frozen Specialty Food Manufacturing.

311411 Frozen Fruit, Juice, and Vegetable Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing frozen fruits; frozen vegetables; and frozen fruit juices, ades, drinks, cocktail mixes and concentrates.

311412 Frozen Specialty Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing frozen specialty foods (except seafood), such as frozen dinners, entrees, and side dishes; frozen pizza; frozen whipped topping; and frozen waffles, pancakes, and french toast.

31142 FRUIT AND VEGETABLE CANNING, PICKLING, AND DRYING

This industry comprises establishments primarily engaged in manufacturing canned, pickled, and dried fruits, vegetables, and specialty foods. Establishments in this industry may package the dried or dehydrated ingredients they make with other purchased ingredients. Examples of products made by these establishments are canned juices; canned baby foods; canned soups (except seafood); canned dry beans; canned tomato-based sauces, such as catsup, salsa, chili, spaghetti, barbeque, and tomato paste, pickles, relishes, jams and jellies, dried soup mixes and bullions, and sauerkraut.

31142M FRUIT AND VEGETABLE CANNING, PICKLING, AND DRYING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311421 Fruit and Vegetable Canning;
2. 311422 Specialty Canning; and
3. 311423 Dried and Dehydrated Food Manufacturing.

311421 Fruit and Vegetable Canning

This U.S. industry comprises establishments primarily engaged in manufacturing canned, pickled, and brined fruits and vegetables. Examples of products made in these establishments are canned juices; canned jams and jellies; canned tomato-based sauces, such as catsup, salsa, spaghetti, barbeque, and tomato paste; pickles, relishes, and sauerkraut.

311422 Specialty Canning

This U.S. industry comprises establishments primarily engaged in manufacturing canned specialty foods. Examples of products made in these establishments are canned baby food, canned baked beans, canned soups (except seafood), canned spaghetti, and other canned nationality foods.

311423 Dried and Dehydrated Food Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. drying (including freeze-dried) and/or dehydrating fruits, vegetables, and soup mixes and bouillon and/or
2. drying and/or dehydrating ingredients and packaging them with other purchased ingredients, such as rice and dry pasta.

3115 DAIRY PRODUCT MANUFACTURING

This industry group comprises establishments that manufacture dairy products from raw milk, processed milk, and dairy substitutes.

31151 DAIRY PRODUCT (EXCEPT FROZEN) MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. dairy products (except frozen) from raw milk and/or processed milk products;
2. dairy substitutes (except frozen) from soybeans and other nondairy substances; and
3. dry, condensed, concentrated, and evaporated dairy and dairy substitute products.

311513 CHEESE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. cheese products (except cottage cheese) from raw milk and/or processed milk products and/or
2. cheese substitutes from soybean and other nondairy substances.

311514 DRY, CONDENSED, AND EVAPORATED DAIRY PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing dry, condensed, and evaporated milk and dairy substitute products.

31151N FLUID MILK AND BUTTER MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311511 Fluid Milk Manufacturing and
2. 311512 Creamery Butter Manufacturing.

311511 Fluid Milk Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. processed milk products, such as pasteurized milk or cream and sour cream and/or
2. fluid milk dairy substitutes from soybeans and other nondairy substances.

311512 Creamery Butter Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing creamery butter from milk and/or processed milk products.

31152 ICE CREAM AND FROZEN DESSERT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing ice cream, frozen yogurts, frozen ices, sherbets, frozen tofu, and other frozen desserts (except bakery products).

311520 ICE CREAM AND FROZEN DESSERT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing ice cream, frozen yogurts, frozen ices, sherbets, frozen tofu, and other frozen desserts (except bakery products).

3116 ANIMAL SLAUGHTERING AND PROCESSING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. slaughtering animals;
2. preparing processed meats and meat byproducts; and
3. rendering and/or refining animal fat, bones, and meat scraps.

This industry includes establishments primarily engaged in assembly cutting and packing of meats (i.e., boxed meats) from purchased carcasses.

31161 ANIMAL SLAUGHTERING AND PROCESSING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. slaughtering animals;
2. preparing processed meats and meat byproducts; and
3. rendering and/or refining animal fat, bones, and meat scraps.

This industry includes establishments primarily engaged in assembly cutting and packing of meats (i.e., boxed meats) from purchased carcasses.

311615 POULTRY PROCESSING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. slaughtering poultry and small game and/or
2. preparing processed poultry and small game meat and meat byproducts.

31161N ANIMAL (EXCEPT POULTRY) SLAUGHTERING AND PROCESSING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311611 Animal (except Poultry) Slaughtering;
2. 311612 Meat Processed from Carcasses; and
3. 311613 Rendering and Meat Byproduct Processing.

311611 Animal (except Poultry) Slaughtering

This U.S. industry comprises establishments primarily engaged in slaughtering animals (except poultry and small game). Establishments that slaughter and prepare meats are included in this industry.

311612 Meat Processed from Carcasses

This U.S. industry comprises establishments primarily engaged in processing or preserving meat and meat byproducts (except poultry and small game) from purchased meats. This industry includes establishments primarily engaged in assembly cutting and packing of meats (i.e., boxed meats) from purchased meats.

311613 Rendering and Meat Byproduct Processing

This U.S. industry comprises establishments primarily engaged in rendering animal fat, bones, and meat scraps.

3117 SEAFOOD PRODUCT PREPARATION AND PACKAGING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. canning seafood (including soup);
2. smoking, salting, and drying seafood;
3. eviscerating fresh fish by removing heads, fins, scales, bones, and entrails;
4. shucking and packing fresh shellfish;
5. processing marine fats and oils; and
6. freezing seafood.

Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are also included in this industry group.

31171 SEAFOOD PRODUCT PREPARATION AND PACKAGING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. canning seafood (including soup);
2. smoking, salting, and drying seafood;
3. eviscerating fresh fish by removing heads, fins, scales, bones, and entrails;
4. shucking and packing fresh shellfish;
5. processing marine fats and oils; and
6. freezing seafood.

Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are also included in this industry.

31171M SEAFOOD PRODUCT PREPARATION AND PACKAGING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311711 Seafood Canning and
2. 311712 Fresh and Frozen Seafood Processing.

311711 Seafood Canning

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. canning seafood (including soup) and marine fats and oils and/or
2. smoking, salting, and drying seafood.

Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are also included in this industry.

311712 Fresh and Frozen Seafood Processing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. eviscerating fresh fish by removing heads, fins, scales, bones, and entrails;
2. shucking and packing fresh shellfish;
3. frozen seafood; and
4. processing fresh and frozen marine fats and oils.

3118 BAKERIES AND TORTILLA MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. bread and bakery products;
2. cookies, crackers, and pastas; and
3. tortillas.

31181 BREAD AND BAKERY PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing fresh and frozen bread and other bakery products.

31181M BREAD AND BAKERY PRODUCT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311811 Retail Bakeries;
2. 311812 Commercial Bakeries; and
3. 311813 Frozen Cakes, Pies, and Other Pastries Manufacturing.

311811 Retail Bakeries

This U.S. industry comprises establishments primarily engaged in retailing bread and other bakery products not for immediate consumption made on the premises from flour, not from prepared dough.

311812 Commercial Bakeries

This U.S. industry comprises establishments primarily engaged in manufacturing fresh and frozen bread and bread-type rolls and other fresh bakery (except cookies and crackers) products.

311813 Frozen Cakes, Pies, and Other Pastries Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing frozen bakery products (except bread), such as cakes, pies, and doughnuts.

31182 COOKIE, CRACKER, AND PASTA MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. cookies and crackers;
2. preparing flour and dough mixes and dough from flour ground elsewhere; and
3. dry pasta.

The establishments in this industry may package the dry pasta they manufacture with other ingredients.

31182M COOKIE, CRACKER, AND PASTA MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311821 Cookie and Cracker Manufacturing;
2. 311822 Flour Mixes and Dough Manufacturing from Purchased Flour; and
3. 311823 Dry Pasta Manufacturing.

311821 Cookie and Cracker Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cookies, crackers, and other products, such as ice cream cones.

311822 Flour Mixes and Dough Manufacturing from Purchased Flour

This U.S. industry comprises establishments primarily engaged in manufacturing prepared flour mixes or dough mixes from flour ground elsewhere.

311823 Dry Pasta Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dry pasta. The establishments in this industry may package the dry pasta they manufacture with other ingredients.

31183 TORTILLA MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing tortillas.

311830 TORTILLA MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing tortillas.

3119 OTHER FOOD MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruit, vegetable, and specialty foods; dairy products; meat products; seafood products; and bakeries and tortillas). The industry group includes industries with different productive processes, such as snack food manufacturing; coffee and tea manufacturing; concentrate, syrup, condiment, and spice manufacturing; and, in general, an entire range of other miscellaneous food product manufacturing.

31191 SNACK FOOD MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. salting, roasting, drying, cooking, or canning nuts;

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2. processing grains or seeds into snacks;
 3. peanut butter; and
 4. potato chips, corn chips, popped popcorn, pretzels (except soft), pork rinds, and similar snacks.

31191M SNACK FOOD MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311911 Roasted Nuts and Peanut Butter Manufacturing and
2. 311919 Other Snack Food Manufacturing.

311911 Roasted Nuts and Peanut Butter Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. salting, roasting, drying, cooking, or canning nuts;
2. processing grains or seeds into snacks; and
3. peanut butter.

311919 Other Snack Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing snack foods (except roasted nuts and peanut butter).

31192 COFFEE AND TEA MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. roasting coffee;
2. coffee and tea concentrates (including instant and freeze-dried);
3. blending tea;
4. herbal tea; and
5. coffee extracts, flavorings, and syrups.

311920 COFFEE AND TEA MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. roasting coffee;
2. coffee and tea concentrates (including instant and freeze-dried);
3. blending tea;
4. herbal tea; and
5. coffee extracts, flavorings, and syrups.

31193 FLAVORING SYRUP AND CONCENTRATE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing flavoring syrup drink concentrates and related products for soda fountain use or for the manufacture of soft drinks.

311930 FLAVORING SYRUP AND CONCENTRATE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing flavoring syrup drink concentrates and related products for soda fountain use or for the manufacture of soft drinks.

31194 SEASONING AND DRESSING MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. dressings and sauces, such as mayonnaise, salad dressing, vinegar, mustard, horseradish, soy sauce, tarter sauce, Worcestershire sauce, and other prepared sauces (except tomato-based and gravies);
2. spices, table salt, seasonings, and flavoring extracts (except coffee and meat), and natural food colorings; and
3. dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

31194M SEASONING AND DRESSING MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311941 Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing and
2. 311942 Spice and Extract Manufacturing.

311941 Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing mayonnaise, salad dressing, vinegar, mustard, horseradish, soy sauce, tarter sauce, Worcestershire sauce, and other prepared sauces (except tomato-based and gravy).

311942 Spice and Extract Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. spices, table salt, seasonings, flavoring extracts (except coffee and meat), and natural food colorings and/or
2. dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

31199 ALL OTHER FOOD MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruits, vegetables, and specialties; dairy products; meat products; seafood products; bakeries and tortillas; snack foods; coffee and tea; flavoring syrups and concentrates; seasonings; and dressings). Included in this industry are establishments primarily engaged in mixing purchased dried and/or dehydrated ingredients including those mixing purchased dried and/or dehydrated ingredients for soup mixes and bouillon.

31199M ALL OTHER FOOD MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 311991 Perishable Prepared Food Manufacturing and
2. 311999 All Other Miscellaneous Food Manufacturing.

311991 Perishable Prepared Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing perishable prepared foods, such as salads, sandwiches, prepared meals, fresh pizza, fresh pasta, and peeled or cut vegetables.

311999 All Other Miscellaneous Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruits, vegetables, and specialties; dairy products; meat products; seafood products; bakery and tortillas products; snack foods; coffee and tea; flavoring syrups and concentrates; seasonings and dressings; and perishable prepared food). Included in this industry are establishments primarily engaged in mixing purchased dried and/or dehydrated ingredients including those mixing purchased dried and/or dehydrated ingredients for soup mixes and bouillon.

312 BEVERAGE AND TOBACCO PRODUCT MANUFACTURING

Industries in the Beverage and Tobacco Product Manufacturing subsector manufacture beverages and tobacco products. The industry group, Beverage Manufacturing, includes three types of establishments:

1. those that manufacture nonalcoholic beverages;
2. those that manufacture alcoholic beverages through the fermentation process; and
3. those that produce distilled alcoholic beverages.

Ice manufacturing, while not a beverage, is included with nonalcoholic beverage manufacturing because it uses the same production process as water purification.

In the case of activities related to the manufacture of beverages, the structure follows the defined productive processes. Brandy, a distilled beverage, was not placed under distillery product manufacturing, but rather under the North American Industry Classification System (NAICS) class for winery product manufacturing since the productive process used in the manufacturing of alcoholic grape-based beverages produces both wines (fermented beverage) and brandies (distilled beverage).

The industry group, Tobacco Manufacturing, includes two types of establishments:

1. those engaged in redrying and stemming tobacco and
2. those that manufacture tobacco products, such as cigarettes and cigars.

3121 BEVERAGE MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing soft drinks, ice, and bottled water; breweries; wineries; and/or distilleries.

31211 SOFT DRINK AND ICE MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. soft drinks;
2. ice; and
3. purifying and bottling water.

31211M SOFT DRINK AND ICE MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

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1. 312111 Soft Drink Manufacturing;
 2. 312112 Bottled Water Manufacturing; and
 3. 312113 Ice Manufacturing.

312111 Soft Drink Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing soft drinks and artificially carbonated waters.

312112 Bottled Water Manufacturing

This U.S. industry comprises establishments primarily engaged in purifying and bottling water (including naturally carbonated).

312113 Ice Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ice.

31212 BREWERIES

This industry comprises establishments primarily engaged in brewing beer, ale, malt liquors, and nonalcoholic beer.

312120 BREWERIES

This U.S. industry comprises establishments primarily engaged in brewing beer, ale, malt liquors, and nonalcoholic beer.

31213 WINERIES

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. wine and brandies from grown grapes;
2. wine and brandies from grapes and other fruits grown elsewhere; and
3. blending wines and brandies.

312130 WINERIES

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. wine and brandies from grown grapes;
2. wine and brandies from grapes and other fruits grown elsewhere; and
3. blending wines and brandies.

31214 DISTILLERIES

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. distilling potable liquors (except brandies);
2. distilling and blending liquors; and
3. blending and mixing liquors and other ingredients.

312140 DISTILLERIES

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

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1. distilling potable liquors (except brandies);
 2. distilling and blending liquors; and
 3. blending and mixing liquors and other ingredients.

3122 TOBACCO MANUFACTURING

This industry group comprises establishments primarily engaged in the stemming and redrying of tobacco, and in the manufacturing of tobacco products.

31221 TOBACCO STEMMING AND REDRYING

This industry comprises establishments primarily engaged in the stemming and redrying of tobacco.

312210 TOBACCO STEMMING AND REDRYING

This U.S. industry comprises establishments primarily engaged in the stemming and redrying of tobacco.

31222 TOBACCO PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing cigarettes, cigars, smoking and chewing tobacco, and reconstituted tobacco.

31222M TOBACCO PRODUCT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 312221 Cigarette Manufacturing and
2. 312229 Other Tobacco Product Manufacturing.

312221 Cigarette Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cigarettes.

312229 Other Tobacco Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing tobacco products (except cigarettes).

313 TEXTILE MILLS

Industries in the Textile Mills subsector group establishments that transform a basic fiber (natural or synthetic) into a product, such as yarn or fabric, that is further manufactured into usable items, such as apparel, sheets, towels, and textile bags for individual or industrial consumption. The further manufacturing may be performed in the same establishment and classified in this subsector, or it may be performed at a separate establishment and be classified elsewhere in manufacturing.

The main processes in this subsector include preparation and spinning of fiber, knitting or weaving of fabric, and the finishing of the textile. The North American Industry Classification System (NAICS) structure follows and captures this process flow. Major industries in this flow, such as preparation of fibers, weaving of fabric, knitting of fabric, and fiber and fabric finishing, are uniquely identified. Texturizing, throwing, twisting, and winding of yarn contains aspects of both fiber preparation and fiber finishing and is classified with preparation of fibers rather than with finishing of fiber.

NAICS separates the manufacturing of primary textiles and the manufacturing of textile products (except apparel) when the textile product is produced from purchased primary textiles, such as fabric. The manufacturing of textile products (except apparel) from purchased fabric is classified in Subsector 314, Textile Product Mills, and apparel from purchased fabric is classified in Subsector 315, Apparel Manufacturing.

Excluded from this subsector are establishments that weave or knit fabric and make garments. These establishments are included in Subsector 315, Apparel Manufacturing.

3131 FIBER, YARN, AND THREAD MILLS

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. spinning yarn;
2. thread of any fiber;
3. texturizing, throwing, twisting, and winding purchased yarn or manmade fiber filaments; and
4. producing hemp yarn and further processing into rope or bags.

31311 FIBER, YARN, AND THREAD MILLS

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. spinning yarn;
2. thread of any fiber;
3. texturizing, throwing, twisting, and winding purchased yarn or manmade fiber filaments; and
4. producing hemp yarn and further processing into rope or bags.

31311M FIBER, YARN, AND THREAD MILLS

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 313111 Yarn Spinning Mills;
2. 313112 Yarn Texturizing, Throwing, and Twisting Mills; and
3. 313113 Thread Mills.

313111 Yarn Spinning Mills

This U.S. industry comprises establishments primarily engaged in spinning yarn from any fiber and/or producing hemp yarn and further processing into rope or bags.

313112 Yarn Texturizing, Throwing, and Twisting Mills

This U.S. industry comprises establishments primarily engaged in texturizing, throwing, twisting, spooling, or winding purchased yarns or manmade fiber filaments.

313113 Thread Mills

This U.S. industry comprises establishments primarily engaged in manufacturing thread (e.g., sewing, hand-knitting, crochet) of all fibers.

3132 FABRIC MILLS

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. weaving broadwoven fabrics and felts;

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2. weaving or braiding narrow fabrics and schiffli machine embroideries;
 3. nonwoven fabrics and felts; and
 4. milling knit fabrics.

31321 BROADWOVEN FABRIC MILLS

This industry comprises establishments primarily engaged in weaving broadwoven fabrics and felts (except tire fabrics and rugs). Establishments in this industry may weave only, weave and finish, or weave, finish, and further fabricate fabric products.

313210 BROADWOVEN FABRIC MILLS

This U.S. industry comprises establishments primarily engaged in weaving broadwoven fabrics and felts (except tire fabrics and rugs). Establishments in this industry may weave only, weave and finish, or weave, finish, and further fabricate fabric products.

31322 NARROW FABRIC MILLS AND SCHIFFLI MACHINE EMBROIDERY

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. weaving or braiding narrow fabrics;
2. Schiffli machine embroideries; and
3. making fabric-covered elastic yarn and thread.

31322M NARROW FABRIC MILLS AND SCHIFFLI MACHINE EMBROIDERY

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 313221 Narrow Fabric Mills and
2. 313222 Schiffli Machine Embroidery.

313221 Narrow Fabric Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. weaving or braiding narrow fabrics in their final form or initially made in wider widths that are specially constructed for narrower widths and/or
2. making fabric-covered elastic yarn and thread.

Establishments in this industry may weave only; weave and finish; or weave, finish, and further fabricate fabric products.

313222 Schiffli Machine Embroidery

This U.S. industry comprises establishments primarily engaged in manufacturing Schiffli machine embroideries.

31323 NONWOVEN FABRIC MILLS

This industry comprises establishments primarily engaged in manufacturing nonwoven fabrics and felts. Processes used include bonding and/or interlocking fibers by mechanical, chemical, thermal, or solvent means, or by combinations thereof.

313230 NONWOVEN FABRIC MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing nonwoven fabrics and felts. Processes used include bonding and/or interlocking fibers by mechanical, chemical, thermal, or solvent means, or by combinations thereof.

31324 KNIT FABRIC MILLS

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. knitting weft (i.e., circular) and warp (i.e., flat) fabric;
2. knitting and finishing weft and warp fabric;
3. lace; and
4. dyeing and finishing lace and lace goods. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

31324M KNIT FABRIC MILLS

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 313241 Weft Knit Fabric Mills and
2. 313249 Other Knit Fabric and Lace Mills.

313241 Weft Knit Fabric Mills

This U.S. industry comprises establishments primarily engaged in knitting weft (i.e., circular) fabric or knitting and finishing weft fabric. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

313249 Other Knit Fabric and Lace Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. knitting warp (i.e., flat) fabric;
2. knitting and finishing warp fabric;
3. lace; or
4. dyeing or finishing lace and lace goods.

Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

3133 TEXTILE AND FABRIC FINISHING AND FABRIC COATING MILLS

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. finishing of textiles, fabrics, and apparel and
2. coating, laminating, varnishing, waxing, and rubberizing textiles and apparel.

31331 TEXTILE AND FABRIC FINISHING MILLS

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. finishing of textiles, fabrics, and apparel and

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2. converters who buy fabric goods in the grey, have them finished on contract, and sell at wholesale. Finishing operations include bleaching, dyeing, printing (e.g., roller, screen, flock, plisse), stonewashing, and other mechanical finishing, such as preshrinking, shrinking, sponging, calendering, mercerizing and napping; as well as cleaning, scouring, and the preparation of natural fibers and raw stock.

31331M TEXTILE AND FABRIC FINISHING MILLS

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 313311 Broadwoven Fabric Finishing Mills and
2. 313312 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills.

313311 Broadwoven Fabric Finishing Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. finishing of broadwoven fabrics and
2. converters who buy broadwoven fabrics in the grey, have them finished on contract, and sell at wholesale.

313312 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. dyeing, bleaching, printing, and other finishing of textiles, apparel, and fabrics (except broadwoven) and
2. converters who buy fabrics (except broadwoven) in the grey, have them finished on contract, and sell at wholesale. Finishing operations include bleaching, dyeing, printing (e.g., roller, screen, flock, plisse), stonewashing, and other mechanical finishing, such as preshrinking, shrinking, sponging, calendering, mercerizing and napping; as well as cleaning, scouring, and the preparation of natural fibers and raw stock.

31332 FABRIC COATING MILLS

This industry comprises establishments primarily engaged in coating, laminating, varnishing, waxing, and rubberizing textiles and apparel.

313320 FABRIC COATING MILLS

This U.S. industry comprises establishments primarily engaged in coating, laminating, varnishing, waxing, and rubberizing textiles and apparel.

314 TEXTILE PRODUCT MILLS

Industries in the Textile Product Mills subsector group establishments that make textile products (except apparel). With a few exceptions, processes used in these industries are generally cut and sew (i.e., purchasing fabric and cutting and sewing to make nonapparel textile products, such as sheets and towels).

3141 TEXTILE FURNISHINGS MILLS

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. carpets and rugs and
2. curtains and linens.

31411 CARPET AND RUG MILLS

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or
2. finishing carpets and rugs.

314110 CARPET AND RUG MILLS

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or
2. finishing carpets and rugs.

31412 CURTAIN AND LINEN MILLS

This industry comprises establishments primarily engaged in manufacturing household textile products, such as curtains, draperies, linens, bedspreads, sheets, tablecloths, towels, and shower curtains, from purchased materials.

31412M CURTAIN AND LINEN MILLS

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 314121 Curtain and Drapery Mills and
2. 314129 Other Household Textile Product Mills.

314121 Curtain and Drapery Mills

This U.S. industry comprises establishments primarily engaged in manufacturing window curtains and draperies from purchased fabrics or sheet goods. The curtains and draperies may be made on a stock or custom basis for sale to individual retail customers.

314129 Other Household Textile Product Mills

This U.S. industry comprises establishments primarily engaged in manufacturing household textile products (except window curtains and draperies), such as bedspreads, sheets, tablecloths, towels, and shower curtains, from purchased materials.

3149 OTHER TEXTILE PRODUCT MILLS

This industry group comprises establishments primarily engaged in making textile products, (except carpets and rugs, curtains and draperies, and other household textile products) from purchased materials.

31491 TEXTILE BAG AND CANVAS MILLS

This industry comprises establishments primarily engaged in manufacturing textile bags, awnings, tents, and related products from purchased textile fabrics.

31491M TEXTILE BAG AND CANVAS MILLS

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

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1. 314911 Textile Bag Mills and
 2. 314912 Canvas and Related Product Mills.

314911 Textile Bag Mills

This U.S. industry comprises establishments primarily engaged in manufacturing bags from purchased textile fabrics or yarns.

314912 Canvas and Related Product Mills

This U.S. industry comprises establishments primarily engaged in manufacturing canvas and canvas-like products, such as awnings, sails, tarpaulins, and tents, from purchased fabrics.

31499 ALL OTHER TEXTILE PRODUCT MILLS

This industry comprises establishments primarily engaged in manufacturing nonapparel textile products (except carpet, rugs, curtains, linens, bags, and canvas products) from purchased materials.

314991 ROPE, CORDAGE, AND TWINE MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing rope, cable, cordage, twine, and related products from all materials (e.g., abaca, sisal, henequen, hemp, cotton, paper, jute, flax, manmade fibers including glass).

314992 TIRE CORD AND TIRE FABRIC MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing cord and fabric of polyester, rayon, cotton, glass, steel, or other materials for use in reinforcing rubber tires, industrial belting, and similar uses.

314999 ALL OTHER MISCELLANEOUS TEXTILE PRODUCT MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing textile products (except carpets and rugs; curtains and linens; textile bags and canvas products; rope, cordage, and twine; and tire cords and tire fabrics) from purchased materials.

315 APPAREL MANUFACTURING

Industries in the Apparel Manufacturing subsector group establishments with two distinct manufacturing processes:

1. cut and sew (i.e., purchasing fabric and cutting and sewing to make a garment), and
2. the manufacture of garments in establishments that first knit fabric and then cut and sew the fabric into a garment.

The Apparel Manufacturing subsector includes a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel manufacture; and tailors, manufacturing custom garments for individual clients are all included. Knitting, when done alone, is classified in the Textile Mills subsector, but when knitting is combined with the production of complete garments, the activity is classified in Apparel Manufacturing.

3151 APPAREL KNITTING MILLS

This industry group comprises establishments primarily engaged in knitting apparel or knitting fabric and then manufacturing apparel. This industry group includes jobbers performing entrepreneurial functions involved in knitting apparel and accessories. Knitting fabric, without manufacturing apparel, is classified in Subsector 313, Textile Mills.

31511 HOSIERY AND SOCK MILLS

This industry comprises establishments primarily engaged in knitting or knitting and finishing hosiery and socks.

31511M HOSIERY AND SOCK MILLS

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 315111 Sheer Hosiery Mills and
2. 315119 Other Hosiery and Sock Mills.

315111 Sheer Hosiery Mills

This U.S. industry comprises establishments primarily engaged in knitting or knitting and finishing women's, misses', and girls' full-length and knee-length sheer hosiery (except socks).

315119 Other Hosiery and Sock Mills

This U.S. industry comprises establishments primarily engaged in knitting or knitting and finishing hosiery (except women's, misses', and girls' sheer hosiery).

31519 OTHER APPAREL KNITTING MILLS

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. knitting underwear, outerwear, and/or nightwear;
2. knitting fabric and manufacturing underwear, outerwear, and/or nightwear; or
3. knitting, manufacturing, and finishing knit underwear, outerwear, and/or nightwear.

31519M OTHER APPAREL KNITTING MILLS

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 315191 Outerwear Knitting Mills and
2. 315192 Underwear and Nightwear Knitting Mills.

315191 Outerwear Knitting Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. knitting outerwear;
2. knitting fabric and manufacturing outerwear; and
3. knitting, manufacturing, and finishing knit outerwear.

Examples of products made in knit outerwear mills are shirts, shorts, sweat suits, sweaters, gloves, and pants.

315192 Underwear and Nightwear Knitting Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. knitting underwear and nightwear;
2. knitting fabric and manufacturing underwear and nightwear; or
3. knitting, manufacturing, and finishing knit underwear and nightwear.

Examples of products produced in underwear and nightwear knitting mills are briefs, underwear T-shirts, pajamas, nightshirts, foundation garments, and panties.

3152 CUT AND SEW APPAREL MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing cut and sew apparel from woven fabric or purchased knit fabric. Included in this industry group is a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel manufacture; and tailors, manufacturing custom garments for individual clients. Establishments weaving or knitting fabric, without manufacturing apparel, are classified in Subsector 313, Textile Mills.

31521 CUT AND SEW APPAREL CONTRACTORS

This industry comprises establishments commonly referred to as contractors primarily engaged in one or more of the following manufacturing activities:

1. cutting materials owned by others for apparel and accessories and/or
2. sewing materials owned by others for apparel and accessories.

31521M CUT AND SEW APPAREL CONTRACTORS

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 315211 Men's and Boys' Cut and Sew Apparel Contractors and
2. 315212 Women's, Girls', and Infants' Cut and Sew Apparel Contractors.

315211 Men's and Boys' Cut and Sew Apparel Contractors

This U.S. industry comprises establishments commonly referred to as contractors primarily engaged in one or more of the following manufacturing activities:

1. cutting materials owned by others for men's and boys' apparel and/or
2. sewing materials owned by others for men's and boys' apparel.

315212 Women's, Girls', and Infants' Cut and Sew Apparel Contractors

This U.S. industry comprises establishments commonly referred to as contractors primarily engaged in one or more of the following manufacturing activities:

1. cutting materials owned by others for women's, girls', and infants' apparel and accessories and/or
2. sewing materials owned by others for women's, girls', and infants' apparel and accessories.

31522 MEN'S AND BOYS' CUT AND SEW APPAREL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew apparel from purchased fabric. Men's and boys' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

31522M MEN'S AND BOYS' CUT AND SEW APPAREL MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 315221 Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing;

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2. 315222 Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing;
 3. 315223 Men's and Boys' Cut and Sew Shirt (except Work Shirt) Manufacturing;
 4. 315224 Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing;
 5. 315225 Men's and Boys' Cut and Sew Work Clothing Manufacturing; and
 6. 315228 Men's and Boys' Cut and Sew Other Outerwear Manufacturing.

315221 Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' underwear and nightwear from purchased fabric. Men's and boys' underwear and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are briefs, bathrobes, underwear T-shirts and shorts, nightshirts, and pajamas.

315222 Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' suits, overcoats, sport coats, tuxedos, dress uniforms, and other tailored apparel (except fur and leather) from purchased fabric. Men's and boys' suit, coat, and overcoat jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315223 Men's and Boys' Cut and Sew Shirt (except Work Shirt) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' outerwear shirts from purchased fabric. Men's and boys' shirt (except work shirt) jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex outerwear shirts, such as T-shirts and sweatshirts that are sized without specific reference to gender (i.e., adult S, M, L, XL) are included in this industry.

315224 Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' jeans, dungarees, and other separate trousers and slacks (except work pants) from purchased fabric. Men's and boys' trouser, slack, and jean jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315225 Men's and Boys' Cut and Sew Work Clothing Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' work shirts, work pants (excluding jeans and dungarees), other work clothing, and washable service apparel from purchased fabric. Men's and boys' work clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are washable service apparel, laboratory coats, work shirts, work pants (except jeans and dungarees), and hospital apparel.

315228 Men's and Boys' Cut and Sew Other Outerwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew outerwear from purchased fabric (except underwear, nightwear, shirts, suits, overcoats and tailored coats, separate trousers and slacks, and work clothing). Men's and boys' other

outerwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex sweatpants and similar garments that are sized without specific reference to gender (i.e., adult S, M, L, XL) are also included in this industry. Examples of products made by these establishments are athletic clothing (except athletic uniforms), bathing suits, down coats, outerwear shorts, windbreakers and jackets, and jogging suits.

31523 WOMEN'S AND GIRLS' CUT AND SEW APPAREL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing women's and girls' apparel from purchased fabric. Women's and girls' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

31523M WOMEN'S AND GIRLS' CUT AND SEW APPAREL MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 315231 Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing;
2. 315232 Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing;
3. 315233 Women's and Girls' Cut and Sew Dress Manufacturing;
4. 315234 Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing;
and
5. 315239 Women's and Girls' Cut and Sew Other Outerwear Manufacturing.

315231 Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' bras, girdles, and other underwear; lingerie; loungewear; and nightwear from purchased fabric. Women's and girls' lingerie, loungewear, and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathrobes, foundation garments, nightgowns, pajamas, panties, and slips.

315232 Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' blouses and shirts from purchased fabric. Women's and girls' blouse and shirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315233 Women's and Girls' Cut and Sew Dress Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' dresses from purchased fabric. Women's and girls' dress jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315234 Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' suits, pantsuits, skirts, tailored jackets, vests, raincoats, and other tailored coats, (except fur and leather coats) from purchased fabric. Women's and girls' suit, coat, tailored jacket, and skirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315239 Women's and Girls' Cut and Sew Other Outerwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' cut and sew apparel from purchased fabric (except underwear, lingerie, nightwear, blouses, shirts, dresses, suits, tailored coats, tailored jackets, and skirts). Women's and girls' other outerwear clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathing suits, down coats, sweaters, jogging suits, outerwear pants and shorts, and windbreakers.

31529 OTHER CUT AND SEW APPAREL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except men's, boys', women's, and girls' apparel). This industry includes establishments manufacturing apparel, such as fur apparel, leather apparel, infants' apparel, costumes, and clerical vestments.

31529M OTHER CUT AND SEW APPAREL MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 315291 Infants' Cut and Sew Apparel Manufacturing;
2. 315292 Fur and Leather Apparel Manufacturing; and
3. 315299 All Other Cut and Sew Apparel Manufacturing.

315291 Infants' Cut and Sew Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing infants' dresses, blouses, shirts, and all other infants' wear from purchased fabric. Infants' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

315292 Fur and Leather Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew fur and leather apparel, and sheep-lined clothing. Fur and leather apparel jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315299 All Other Cut and Sew Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except cut and sew apparel contractors; men's and boys' cut and sew underwear, nightwear, suits, coats, shirts, trousers, work clothing, and other outerwear; women's and girls' lingerie, blouses, shirts, dresses, suits, coats, and other outerwear; infants'

apparel; and fur and leather apparel). Clothing jobbers for these products, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are team athletic uniforms, band uniforms, academic caps and gowns, clerical vestments, and costumes.

3159 APPAREL ACCESSORIES AND OTHER APPAREL MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing apparel accessories and other apparel (except apparel knitting mills, apparel contractors, men's and boys' cut and sew apparel, women's and girls' cut and sew apparel, infants' cut and sew apparel, fur and leather apparel, and all other cut and sew apparel). This industry group includes jobbers performing entrepreneurial functions involved in manufacturing apparel accessories.

31599 APPAREL ACCESSORIES AND OTHER APPAREL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing apparel and accessories (except apparel knitting mills, cut and sew apparel contractors, men's and boys' cut and sew apparel, women's and girls' cut and sew apparel, and other cut and sew apparel). Jobbers, who perform entrepreneurial functions involved in apparel accessories manufacture, including buying raw materials, designing and preparing samples, arranging for apparel accessories to be made from their materials, and marketing finished apparel accessories, are included. Examples of products made by these establishments are belts, caps, gloves (except medical, sporting, safety), hats, and neckties.

31599M APPAREL ACCESSORIES AND OTHER APPAREL MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 315991 Hat, Cap, and Millinery Manufacturing;
2. 315992 Glove and Mitten Manufacturing;
3. 315993 Men's and Boys' Neckwear Manufacturing; and
4. 315999 Other Apparel Accessories and Other Apparel Manufacturing.

315991 Hat, Cap, and Millinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew hats, caps, millinery, and hat bodies from purchased fabric. Jobbers, who perform entrepreneurial functions involved in hat, cap, and millinery manufacture, including buying raw materials, designing and preparing samples, arranging for hats, caps, and millinery to be made from their materials, and marketing finished hats, caps, and millinery, are included.

315992 Glove and Mitten Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew gloves (except rubber, metal, and athletic gloves) and mittens from purchased fabric, fur, leather, or from combinations of fabric, fur, or leather. Jobbers, who perform entrepreneurial functions involved in glove and mitten manufacture, including buying raw materials, designing and preparing samples, arranging for gloves and mittens to be made from their materials, and marketing finished gloves and mittens, are included.

315993 Men's and Boys' Neckwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew neckties, scarves, and mufflers from purchased fabric, leather, or from combinations of leather and fabric. Men's and boys' neckwear jobbers, who perform entrepreneurial functions involved in neckwear manufacture, including buying raw materials, designing and preparing samples, arranging for neckwear to be made from their materials, and marketing finished neckwear, are included.

315999 Other Apparel Accessories and Other Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing apparel and apparel accessories (except apparel knitting mills; cut and sew apparel contractors; cut and sew apparel; hats and caps; mittens and gloves; and men's and boys' neckwear). Jobbers for these products, who perform entrepreneurial functions involved in other apparel and accessory manufacture, including buying raw materials, designing and preparing samples, arranging for other apparel and accessories to be made from their materials, and marketing finished other apparel and accessories, are included. Examples of products made by these establishments are apparel trimmings and findings, belts, women's scarves, and suspenders.

316 LEATHER AND ALLIED PRODUCT MANUFACTURING

Establishments in the Leather and Allied Product Manufacturing subsector transform hides into leather by tanning or curing and fabricating the leather into products for final consumption. It also includes the manufacture of similar products from other materials, including products (except apparel) made from "leather substitutes," such as rubber, plastics, or textiles. Rubber footwear, textile luggage, and plastics purses or wallets are examples of "leather substitute" products included in this group. The products made from leather substitutes are included in this subsector because they are made in similar ways leather products are made (e.g., luggage). They are made in the same establishments, so it is not practical to separate them.

The inclusion of leather making in this subsector is partly because leather tanning is a relatively small industry that has few close neighbors as a production process, partly because leather is an input to some of the other products classified in this subsector and partly for historical reasons.

3161 LEATHER AND HIDE TANNING AND FINISHING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. tanning, currying, and finishing hides and skins;
2. having others process hides and skins on a contract basis; and
3. dyeing or dressing furs.

31611 LEATHER AND HIDE TANNING AND FINISHING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. tanning, currying, and finishing hides and skins;
2. having others process hides and skins on a contract basis; and
3. dyeing or dressing furs.

316110 LEATHER AND HIDE TANNING AND FINISHING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. tanning, currying, and finishing hides and skins;
2. having others process hides and skins on a contract basis; and
3. dyeing or dressing furs.

3162 FOOTWEAR MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing rubber and plastics footwear with vulcanized rubber or plastics soles, molded or cemented to rubber, plastics, or fabric uppers, and rubber and plastics protective footwear.

31621 FOOTWEAR MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing footwear (except orthopedic extension footwear).

31621M FOOTWEAR MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 316211 Rubber and Plastics Footwear Manufacturing;
2. 316212 House Slipper Manufacturing;
3. 316213 Men's Footwear (except Athletic) Manufacturing
4. 316214 Women's Footwear (except Athletic) Manufacturing; and
5. 316219 Other Footwear Manufacturing.

316211 Rubber and Plastics Footwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rubber and plastics footwear with vulcanized rubber or plastics soles, molded or cemented to rubber, plastics, or fabric uppers, and rubber and plastics protective footwear.

316212 House Slipper Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing house slippers and slipper socks, regardless of material.

316213 Men's Footwear (except Athletic) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's footwear designed primarily for dress, street, and work. This industry includes men's shoes with rubber or plastics soles and leather or vinyl uppers.

316214 Women's Footwear (except Athletic) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's footwear designed for dress, street, and work. This industry includes women's shoes with rubber or plastics soles and leather or vinyl uppers.

316219 Other Footwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing other footwear (except rubber and plastics footwear; house slippers; men's footwear (except athletic); and women's footwear (except athletic)).

3169 OTHER LEATHER AND ALLIED PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing leather products (except footwear and apparel) from purchased leather or leather substitutes (e.g., fabric, plastics).

31699 OTHER LEATHER AND ALLIED PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing leather products (except footwear and apparel) from purchased leather or leather substitutes (e.g., fabric, plastics).

31699M OTHER LEATHER AND ALLIED PRODUCT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

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1. 316991 Luggage Manufacturing;
 2. 316992 Women's Handbag and Purse Manufacturing;
 3. 316993 Personal Leather Good (except Women's Handbag and Purse) Manufacturing; and
 4. 316999 All Other Leather Good Manufacturing.

316991 Luggage Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing luggage of any material.

316992 Women's Handbag and Purse Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's handbags and purses of any material (except precious metal).

316993 Personal Leather Good (except Women's Handbag and Purse) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing personal leather goods (i.e., small articles of any material (except metal) normally carried on or about the person or in a handbag). Examples of personal leather goods made by these establishments are billfolds, coin purses, key cases, toilet kits, and watchbands (except metal).

316999 All Other Leather Good Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing leather goods (except footwear, luggage, handbags, purses, and personal leather goods).

321 WOOD PRODUCT MANUFACTURING

Industries in the Wood Product Manufacturing subsector manufacture wood products, such as lumber, plywood, veneers, wood containers, wood flooring, wood trusses, manufactured homes (i.e., mobile home), and prefabricated wood buildings. The production processes of the Wood Product Manufacturing subsector include sawing, planing, shaping, laminating, and assembling of wood products starting from logs that are cut into bolts, or lumber that then may be further cut, or shaped by lathes or other shaping tools. The lumber or other transformed wood shapes may also be subsequently planed or smoothed, and assembled into finished products, such as wood containers. The Wood Product Manufacturing subsector includes establishments that make wood products from logs and bolts that are sawed and shaped, and establishments that purchase sawed lumber and make wood products. With the exception of sawmills and wood preservation establishments, the establishments are grouped into industries mainly based on the specific products manufactured.

3211 SAWMILLS AND WOOD PRESERVATION

This industry group comprises establishments whose primary production process begins with logs or bolts that are transformed into boards, dimension lumber, beams, timbers, poles, ties, shingles, shakes, siding, and wood chips. Establishments that cut and treat round wood and/or treat wood products made in other establishments to prevent rotting by impregnation with creosote or other chemical compounds are also included in this industry group.

32111 SAWMILLS AND WOOD PRESERVATION

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. sawing dimension lumber, boards, beams, timber, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts;
2. sawing round wood poles, pilings, and posts and treating them with preservatives; and

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3. treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives to prevent decay and to protect against fire and insects.

Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

32111M SAWMILLS AND WOOD PRESERVATION

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 321113 Sawmills and
2. 321114 Wood Preservation.

321113 Sawmills

This U.S. industry comprises establishments primarily engaged in sawing dimension lumber, boards, beams, timbers, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts. Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

321114 Wood Preservation

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives, such as chromated copper arsenate, to prevent decay and to protect against fire and insects and/or
2. sawing round wood poles, pilings, and posts and treating them with preservatives.

3212 VENEER, PLYWOOD, AND ENGINEERED WOOD PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. veneer and/or plywood;
2. engineered wood members; and
3. reconstituted wood products.

This industry includes manufacturing plywood from veneer made in the same establishment or from veneer made in other establishments, and manufacturing plywood faced with nonwood materials, such as plastics or metal.

32121 VENEER, PLYWOOD, AND ENGINEERED WOOD PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. veneer and/or plywood;
2. engineered wood members; and
3. reconstituted wood products.

This industry includes manufacturing plywood from veneer made in the same establishment or from veneer made in other establishments, and manufacturing plywood faced with nonwood materials, such as plastics or metal.

321219 RECONSTITUTED WOOD PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing reconstituted wood sheets and boards.

32121N VENEER AND PLYWOOD MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 321211 Hardwood Veneer and Plywood Manufacturing and
2. 321212 Softwood Veneer and Plywood Manufacturing.

321211 Hardwood Veneer and Plywood Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing hardwood veneer and/or hardwood plywood.

321212 Softwood Veneer and Plywood Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing softwood veneer and/or softwood plywood.

32121P ENGINEERED WOOD PRODUCT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 321213 Engineered Wood Member (except Truss) Manufacturing and
2. 321214 Truss Manufacturing.

321213 Engineered Wood Member (except Truss) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated or laminated wood arches and/or other fabricated or laminated wood structural members.

321214 Truss Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing laminated or fabricated wood roof and floor trusses.

3219 OTHER WOOD PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and wood preservation facilities; and establishments manufacturing veneer, plywood, or engineered wood products).

32191 MILLWORK

This industry comprises establishments primarily engaged in manufacturing hardwood and softwood cut stock and dimension stock (i.e., shapes); wood windows and wood doors; and other millwork including wood flooring. Dimension stock or cut stock is defined as lumber and worked wood products cut or shaped to specialized sizes. These establishments generally use woodworking machinery, such as jointers, planers, lathes, and routers to shape wood.

32191M MILLWORK

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 321911 Wood Window and Door Manufacturing;
2. 321912 Cut Stock, Resawing Lumber, and Planing; and

3. 321918 Other Millwork (including Flooring).

321911 Wood Window and Door Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing window and door units, sash, window and door frames, and doors from wood or wood clad with metal or plastics.

321912 Cut Stock, Resawing Lumber, and Planing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. dimension lumber from purchased lumber;
2. dimension stock (i.e., shapes) or cut stock;
3. resawing the output of sawmills; and
4. planing purchased lumber.

These establishments generally use woodworking machinery, such as jointers, planers, lathes, and routers to shape wood.

321918 Other Millwork (including Flooring)

This U.S. industry comprises establishments primarily engaged in manufacturing millwork (except wood windows, wood doors, and cut stock).

32192 WOOD CONTAINER AND PALLET MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing wood pallets, wood box shoo, wood boxes, other wood containers, and wood parts for pallets and containers.

321920 WOOD CONTAINER AND PALLET MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood pallets, wood box shoo, wood boxes, other wood containers, and wood parts for pallets and containers.

32199 ALL OTHER WOOD PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and wood preservation facilities; and establishments manufacturing veneer, plywood, engineered wood products, millwork, wood containers, or pallets).

321991 MANUFACTURED HOME (MOBILE HOME) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in making manufactured homes (i.e., mobile homes) and nonresidential mobile buildings. Manufactured homes are designed to accept permanent water, sewer, and utility connections and although equipped with wheels, they are not intended for regular highway movement.

321992 PREFABRICATED WOOD BUILDING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing prefabricated wood buildings and wood sections and panels for prefabricated wood buildings.

321999 ALL OTHER MISCELLANEOUS WOOD PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and preservation facilities; establishments manufacturing veneer, engineered wood products, millwork, wood containers, pallets, and wood container parts; and establishments making manufactured homes (i.e., mobile homes) and prefabricated buildings and components).

322 PAPER MANUFACTURING

Industries in the Paper Manufacturing subsector make pulp, paper, or converted paper products. The manufacturing of these products is grouped together because they constitute a series of vertically connected processes. More than one is often carried out in a single establishment. There are essentially three activities. The manufacturing of pulp involves separating the cellulose fibers from other impurities in wood or used paper. The manufacturing of paper involves matting these fibers into a sheet. Converted paper products are made from paper and other materials by various cutting and shaping techniques and includes coating and laminating activities.

The Paper Manufacturing subsector is subdivided into two industry groups, the first for the manufacturing of pulp and paper and the second for the manufacturing of converted paper products. Paper making is treated as the core activity of the subsector. Therefore, any establishment that makes paper (including paperboard), either alone or in combination with pulp manufacturing or paper converting, is classified as a paper or paperboard mill. Establishments that make pulp without making paper are classified as pulp mills. Pulp mills, paper mills and paperboard mills comprise the first industry group.

Establishments that make products from purchased paper and other materials make up the second industry group, Converted Paper Product Manufacturing. This general activity is then subdivided based, for the most part, on process distinctions. Paperboard container manufacturing uses corrugating, cutting, and shaping machinery to form paperboard into containers. Paper bag and coated and treated paper manufacturing establishments cut and coat paper and foil. Stationery product manufacturing establishments make a variety of paper products used for writing, filing, and similar applications. Other converted paper product manufacturing includes, in particular, the conversion of sanitary paper stock into such things as tissue paper and disposable diapers.

An important process used in the Paper Bag and Coated and Treated Paper Manufacturing industry is lamination, often combined with coating. Lamination and coating makes a composite material with improved properties of strength, impermeability, and so on. The laminated materials may be paper, metal foil, or plastics film. While paper is often one of the components, it is not always. Lamination of plastics film to plastics film is classified in the North American Industry Classification System (NAICS) Subsector 326, Plastics and Rubber Products Manufacturing, because establishments that do this often first make the film. The same situation holds with respect to bags. The manufacturing of bags from plastics only, whether or not laminated, is classified in Subsector 326, Plastics and Rubber Products Manufacturing, but all other bag manufacturing is classified in this subsector.

Excluded from this subsector are photosensitive papers. These papers are chemically treated and are classified in Industry 32599, All Other Chemical Product and Preparation Manufacturing.

3221 PULP, PAPER, AND PAPERBOARD MILLS

This industry group comprises establishments primarily engaged in manufacturing pulp, paper, or paperboard.

32211 PULP MILLS

This industry comprises establishments primarily engaged in manufacturing pulp without manufacturing paper or paperboard. The pulp is made by separating the cellulose fibers from the other impurities in wood or other materials, such as used or recycled rags, linters, scrap paper, and straw.

322110 PULP MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing pulp without manufacturing paper or paperboard. The pulp is made by separating the cellulose fibers from the other impurities in wood or other materials, such as used or recycled rags, linters, scrap paper, and straw.

32212 PAPER MILLS

This industry comprises establishments primarily engaged in manufacturing paper from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may convert the paper they make. The activity of making paper classifies an establishment into this industry regardless of the output.

32212M PAPER AND NEWSPRINT MILLS

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 322121 Paper (except Newsprint) Mills and
2. 322122 Newsprint Mills.

322121 Paper (except Newsprint) Mills

This U.S. industry comprises establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paper they make.

322122 Newsprint Mills

This U.S. industry comprises establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paper they make.

32213 PAPERBOARD MILLS

This industry comprises establishments primarily engaged in manufacturing paperboard from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paperboard they make.

322130 PAPERBOARD MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing paperboard from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paperboard they make.

3222 CONVERTED PAPER PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in converting paper or paperboard without manufacturing paper or paperboard.

32221 PAPERBOARD CONTAINER MANUFACTURING

This industry comprises establishments primarily engaged in converting paperboard into containers without manufacturing paperboard. These establishments use corrugating, cutting, and shaping machinery to form paperboard into containers. Products made by these establishments include boxes; corrugated sheets, pads, and pallets; paper dishes; and fiber drums and reels.

32221M PAPERBOARD CONTAINER MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 322211 Corrugated and Solid Fiber Box Manufacturing;
2. 322212 Folding Paperboard Box Manufacturing;
3. 322213 Setup Paperboard Box Manufacturing;
4. 322214 Fiber Can, Tube, Drum, and Similar Products Manufacturing; and

5. 322215 Nonfolding Sanitary Food Container Manufacturing.

322211 Corrugated and Solid Fiber Box Manufacturing

This U.S. industry comprises establishments primarily engaged in laminating purchased paper or paperboard into corrugated or solid fiber boxes and related products, such as pads, partitions, pallets, and corrugated paper without manufacturing paperboard. These boxes are generally used for shipping.

322212 Folding Paperboard Box Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paperboard (except corrugated) into folding paperboard boxes without manufacturing paper and paperboard.

322213 Setup Paperboard Box Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paperboard into setup paperboard boxes (i.e., rigid-sided boxes not shipped flat) without manufacturing paperboard.

322214 Fiber Can, Tube, Drum, and Similar Products Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paperboard into fiber cans, tubes, drums, and similar products without manufacturing paperboard.

322215 Nonfolding Sanitary Food Container Manufacturing

This U.S. industry comprises establishments primarily engaged in converting sanitary foodboard into food containers (except folding).

32222 PAPER BAG AND COATED AND TREATED PAPER MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. cutting and coating paper and paperboard;
2. cutting and laminating paper and paperboard and other flexible materials (except plastics film to plastics film);
3. bags or multiwall bags or sacks of paper, metal foil, coated paper, or laminates or coated combinations of paper and foil with plastics film;
4. laminated aluminum and other converted metal foils from purchased foils; and
5. surface coating paper or paperboard.

32222N COATED AND LAMINATED PAPER AND PACKAGING MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 322221 Coated and Laminated Packaging Paper and Plastics Film Manufacturing and
2. 322222 Coated and Laminated Paper Manufacturing.

322221 Coated and Laminated Packaging Paper and Plastics Film Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. cutting and coating paper and
2. cutting and laminating paper with other flexible materials (except plastics to plastics or foil to paper laminates).

The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

322222 Coated and Laminated Paper Manufacturing

This U.S. industry comprises establishments primarily engaged in performing one or more of the following manufacturing activities associated with making products designed for purposes other than packaging:

1. cutting and coating paper;
2. cutting and laminating paper and other flexible materials (except plastics film to plastics film); and
3. laminating aluminum and other metal foils for nonpackaging uses from purchased foils.

The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

32222P COATED, UNCOATED, AND MULTIWALL BAG AND PACKAGING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 322223 Plastics, Foil, and Coated Paper Bag Manufacturing;
2. 322224 Uncoated Paper and Multiwall Bag Manufacturing;
3. 322225 Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses; and
4. 322226 Surface-Coated Paperboard Manufacturing.

322223 Plastics, Foil, and Coated Paper Bag Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing bags of coated paper, of metal foil, or of laminated or coated combinations of plastics, foil, and paper, whether or not printed.

322224 Uncoated Paper and Multiwall Bag Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing uncoated paper bags or multiwall bags and sacks.

322225 Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses

This U.S. industry comprises establishments primarily engaged in laminating aluminum and other metal foil into products with flexible packaging uses or gift wrap and other packaging wrap applications.

322226 Surface-Coated Paperboard Manufacturing

This U.S. industry comprises establishments primarily engaged in laminating, lining, or surface coating purchased paperboard to make other paperboard products.

32223 STATIONERY PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in converting paper or paperboard into products used for writing, filing, art work, and similar applications.

32223M STATIONERY PRODUCT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 322231 Die-Cut Paper and Paperboard Office Supplies Manufacturing;

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2. 322232 Envelope Manufacturing; and
 3. 322233 Stationery, Tablet, and Related Product Manufacturing.

322231 Die-Cut Paper and Paperboard Office Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paper rollstock or paperboard into die-cut paper or paperboard office supplies. For the purpose of this industry, office supplies are defined as office products, such as filing folders, index cards, rolls for adding machines, file separators and dividers, tabulating cards, and other paper and paperboard office supplies.

322232 Envelope Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing envelopes for mailing or stationery of any material including combinations.

322233 Stationery, Tablet, and Related Product Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paper and paperboard into products used for writing and similar applications (e.g., looseleaf fillers, notebooks, pads, stationery, and tablets).

32229 OTHER CONVERTED PAPER PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in one of the following manufacturing activities:

1. converting paper and paperboard into products (except containers, bags, coated and treated paper and paperboard, and stationery products), or
2. converting pulp into pulp products, such as disposable diapers, or molded pulp egg cartons, food trays, and dishes.

Processes used include laminating or lining purchased paper or paperboard.

322291 SANITARY PAPER PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting purchased sanitary paper stock or wadding into sanitary paper products, such as facial tissues and handkerchiefs, table napkins, toilet paper, towels, disposable diapers, sanitary napkins, and tampons.

322299 ALL OTHER CONVERTED PAPER PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting paper or paperboard into products (except containers, bags, coated and treated paper, stationery products, and sanitary paper products) or converting pulp into pulp products, such as egg cartons, food trays, and other food containers from molded pulp.

323 PRINTING AND RELATED SUPPORT ACTIVITIES

Industries in the Printing and Related Support Activities subsector print products, such as newspapers, books, labels, business cards, stationery, business forms, and other materials, and perform support activities, such as data imaging, platemaking services, and bookbinding. The support activities included here are an integral part of the printing industry, and a product (a printing plate, a bound book, or a computer disk or file) that is an integral part of the printing industry is almost always provided by these operations.

Processes used in printing include a variety of methods used to transfer an image from a plate, screen, film, or computer file to some medium, such as paper, plastics, metal, textile articles, or wood. The most prominent of these methods is to transfer the image from a plate or screen to the

medium (lithographic, gravure, screen, and flexographic printing). A rapidly growing new technology uses a computer file to directly “drive” the printing mechanism to create the image and new electrostatic and other types of equipment (digital or nonimpact printing).

In contrast to many other classification systems that locate publishing of printed materials in manufacturing, the North American Industry Classification System (NAICS) classifies the publishing of printed products in Subsector 511, Publishing Industries (except Internet). Though printing and publishing are often carried out by the same enterprise (a newspaper, for example), it is less and less the case that these distinct activities are carried out in the same establishment. When publishing and printing are done in the same establishment, the establishment is classified in Sector 51, Information, in the appropriate NAICS industry even if the receipts for printing exceed those for publishing.

This subsector includes printing on clothing because the production process for that activity is printing, not clothing manufacturing. For instance, the printing of T-shirts is included in this subsector. In contrast, printing on fabric (or grey goods) is not included. This activity is part of the process of finishing the fabric and is included in the NAICS Textile Mills subsector in Industry 31331, Textile and Fabric Finishing Mills.

3231 PRINTING AND RELATED SUPPORT ACTIVITIES

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. printing on apparel and textile products, paper, metal, glass, plastics, and other materials, except fabric (grey goods) and/or
2. performing prepress (e.g., platemaking, typesetting) and postpress services (e.g., book binding) in support of printing activities.

32311 PRINTING

This industry comprises establishments primarily engaged in printing on apparel and textile products, paper, metal, glass, plastics, and other materials, except fabric (grey goods). The printing processes employed include, but are not limited to, lithographic, gravure, screen, flexographic, digital, and letterpress. Establishments in this industry do not manufacture the stock that they print but may perform postprinting activities, such as folding, cutting, or laminating the materials they print, and mailing.

32311M PRINTING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 323110 Commercial Lithographic Printing;
2. 323111 Commercial Gravure Printing;
3. 323112 Commercial Flexographic Printing;
4. 323113 Commercial Screen Printing;
5. 323114 Quick Printing;
6. 323115 Digital Printing;
7. 323116 Manifold Business Forms Printing;
8. 323117 Books Printing;
9. 323118 Blankbook, Looseleaf Binders, and Devices Manufacturing; and
10. 323119 Other Commercial Printing.

323110 Commercial Lithographic Printing

This U.S. industry comprises establishments primarily engaged in lithographic (i.e., offset) printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in lithographic printing on purchased stock materials, such as stationery, letterhead, invitations, labels, and similar items, on a job order basis.

323111 Commercial Gravure Printing

This U.S. industry comprises establishments primarily engaged in gravure printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in gravure printing on purchased stock materials, such as stationery, letterhead, invitations, labels, and similar items, on a job order basis.

323112 Commercial Flexographic Printing

This U.S. industry comprises establishments primarily engaged in flexographic printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in flexographic printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis.

323113 Commercial Screen Printing

This U.S. industry comprises establishments primarily engaged in screen printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in screen printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis. Establishments primarily engaged in printing on apparel and textile products, such as T-shirts, caps, jackets, towels, and napkins, are included in this industry.

323114 Quick Printing

This U.S. industry comprises establishments primarily engaged in traditional printing activities, such as short-run offset printing or prepress services, in combination with providing document photocopying service. Prepress services include receiving documents in electronic format and directly duplicating from the electronic file and formatting, colorizing, and otherwise modifying the original document to improve presentation. These establishments, known as quick printers, generally provide short-run printing and copying with fast turnaround times.

323115 Digital Printing

This U.S. industry comprises establishments primarily engaged in printing graphical materials using digital printing equipment. Establishments known as digital printers typically provide sophisticated prepress services including using scanners to input images and computers to manipulate and format the graphic images prior to printing.

323116 Manifold Business Forms Printing

This U.S. industry comprises establishments primarily engaged in printing special forms, including checkbooks, for use in the operation of a business. The forms may be in single and multiple sets, including carbonized, interleaved with carbon, or otherwise processed for multiple reproduction.

323117 Books Printing

This U.S. industry comprises establishments primarily engaged in printing or printing and binding books and pamphlets without publishing.

323118 Blankbook, Looseleaf Binders, and Devices Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing blankbooks, looseleaf devices, and binders. Establishments in this industry may print or print and bind.

323119 Other Commercial Printing

This U.S. industry comprises establishments primarily engaged in commercial printing (except lithographic, gravure, screen, or flexographic printing) without publishing (except books, grey goods, and manifold business forms). Printing processes included in this industry are letterpress printing and engraving printing. This industry includes establishments engaged in commercial printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis.

32312 SUPPORT ACTIVITIES FOR PRINTING

This industry comprises establishments primarily engaged in performing prepress (e.g., platemaking, typesetting) and postpress services (e.g., book binding) in support of printing activities.

32312M SUPPORT ACTIVITIES FOR PRINTING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 323121 Tradebinding and Related Work and
2. 323122 Prepress Services.

323121 Tradebinding and Related Work

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. tradebinding;
2. sample mounting; and
3. postpress services (e.g., book or paper bronzing, die-cutting, edging, embossing, folding, gilding, gluing, indexing).

323122 Prepress Services

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. prepress services, such as imagesetting or typesetting, for printers and
2. preparing film or plates for printing purposes.

324 PETROLEUM AND COAL PRODUCTS MANUFACTURING

The Petroleum and Coal Products Manufacturing subsector is based on the transformation of crude petroleum and coal into usable products. The dominant process is petroleum refining that involves the separation of crude petroleum into component products through such techniques as cracking and distillation.

In addition, this subsector includes establishments that primarily further process refined petroleum and coal products and produce products, such as asphalt coatings and petroleum lubricating oils. However, establishments that manufacture petrochemicals from refined petroleum are classified in Industry 32511, Petrochemical Manufacturing.

3241 PETROLEUM AND COAL PRODUCTS MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. refining crude petroleum into refined petroleum;
2. asphalt paving, roofing, and saturated materials; and/or
3. other petroleum and coal products.

32411 PETROLEUM REFINERIES

This industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following manufacturing activities:

1. fractionation;
2. straight distillation of crude oil; and
3. cracking.

324110 PETROLEUM REFINERIES

This U.S. industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following manufacturing activities:

1. fractionation;
2. straight distillation of crude oil; and
3. cracking.

32412 ASPHALT PAVING, ROOFING, AND SATURATED MATERIALS MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. asphalt and tar paving mixtures and blocks and roofing cements and coatings from purchased asphaltic materials and/or
2. saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials.

324121 ASPHALT PAVING MIXTURE AND BLOCK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing asphalt and tar paving mixtures and blocks from purchased asphaltic materials.

324122 ASPHALT SHINGLE AND COATING MATERIALS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials and
2. asphalt and tar and roofing cements and coatings from purchased asphaltic materials.

32419 OTHER PETROLEUM AND COAL PRODUCTS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing petroleum products (except asphalt paving, roofing and saturated materials) from refined petroleum or coal products made in coke ovens not integrated with a steel mill.

324191 PETROLEUM LUBRICATING OIL AND GREASE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in blending or compounding refined petroleum to make lubricating oils and greases and/or re-refining used petroleum lubricating oils.

324199 ALL OTHER PETROLEUM AND COAL PRODUCTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing petroleum products (except asphalt paving, roofing, and saturated materials and lubricating oils and greases) from refined petroleum and coal products made in coke ovens not integrated with a steel mill.

325 CHEMICAL MANUFACTURING

The Chemical Manufacturing subsector is based on the transformation of organic and inorganic raw materials by a chemical process and the formulation of products. This subsector distinguishes the production of basic chemicals that comprise the first industry group from the production of intermediate and end products produced by further processing of basic chemicals that make up the remaining industry groups.

This subsector does not include all industries transforming raw materials by a chemical process. It is common for some chemical processing to occur during mining operations. These beneficiating operations, such as copper concentrating, are classified in Sector 21, Mining. Furthermore, the refining of crude petroleum is included in Subsector 324, Petroleum and Coal Products Manufacturing. In addition, the manufacturing of aluminum oxide is included in Subsector 331, Primary Metal Manufacturing; and beverage distilleries are classified in Subsector 312, Beverage and Tobacco Product Manufacturing. As in the case of these two activities, the grouping of industries into subsectors may take into account the association of the activities performed with other activities in the subsector.

3251 BASIC CHEMICAL MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing chemicals using basic processes, such as thermal cracking and distillation. Chemicals manufactured in this industry group are usually separate chemical elements or separate chemically-defined compounds.

32511 PETROCHEMICAL MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or
2. cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

325110 PETROCHEMICAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or
2. cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

32512 INDUSTRIAL GAS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing industrial organic and inorganic gases in compressed, liquid, and solid forms.

325120 INDUSTRIAL GAS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing industrial organic and inorganic gases in compressed, liquid, and solid forms.

32513 SYNTHETIC DYE AND PIGMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing synthetic organic and inorganic dyes and pigments, such as lakes and toners (except electrostatic and photographic).

32513M SYNTHETIC DYE AND PIGMENT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 325131 Inorganic Dye and Pigment Manufacturing and
2. 325132 Synthetic Organic Dye and Pigment Manufacturing.

325131 Inorganic Dye and Pigment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing inorganic dyes and pigments.

325132 Synthetic Organic Dye and Pigment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing synthetic organic dyes and pigments, such as lakes and toners (except electrostatic and photographic).

32518 OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases and synthetic dyes and pigments).

325181 ALKALIES AND CHLORINE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing chlorine, sodium hydroxide (i.e., caustic soda), and other alkalies often using an electrolysis process.

325182 CARBON BLACK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing carbon black, bone black, and lamp black.

325188 ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases, inorganic dyes and pigments, alkalies and chlorine, and carbon black).

32519 OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing basic organic chemicals (except petrochemicals, industrial gases, and synthetic dyes and pigments).

32519M OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 325191 Gum and Wood Chemical Manufacturing;
2. 325192 Cyclic Crude and Intermediate Manufacturing;
3. 325193 Ethyl Alcohol Manufacturing; and
4. 325199 All Other Basic Organic Chemical Manufacturing.

325191 Gum and Wood Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. distilling wood or gum into products, such as tall oil and wood distillates and
2. wood or gum chemicals, such as naval stores, natural tanning materials, charcoal briquettes, and charcoal (except activated).

325192 Cyclic Crude and Intermediate Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. distilling coal tars and/or
2. cyclic crudes or, cyclic intermediates (i.e., hydrocarbons, except aromatic petrochemicals) from refined petroleum or natural gas.

325193 Ethyl Alcohol Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonpotable ethyl alcohol.

325199 All Other Basic Organic Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing basic organic chemical products (except aromatic petrochemicals, industrial gases, synthetic organic dyes and pigments, gum and wood chemicals, cyclic crudes and intermediates, and ethyl alcohol).

3252 RESIN, SYNTHETIC RUBBER, AND ARTIFICIAL AND SYNTHETIC FIBERS AND FILAMENTS MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. resins and synthetic rubber and
2. artificial and synthetic fibers and filaments.

32521 RESIN AND SYNTHETIC RUBBER MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. synthetic resins, plastics materials, and nonvulcanizable elastomers and mixing and blending resins on a custom basis;
2. noncustomized synthetic resins; and
3. synthetic rubber.

325211 PLASTICS MATERIAL AND RESIN MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. resins, plastics materials, and nonvulcanizable thermoplastic elastomers and mixing and blending resins on a custom basis and/or
2. noncustomized synthetic resins.

325212 SYNTHETIC RUBBER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing synthetic rubber.

32522 ARTIFICIAL AND SYNTHETIC FIBERS AND FILAMENTS MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. cellulosic (i.e., rayon and acetate) and noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or
2. manufacturing and texturing cellulosic and noncellulosic fibers and filaments.

32522M ARTIFICIAL AND SYNTHETIC FIBERS AND FILAMENTS MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 325221 Cellulosic Organic Fiber Manufacturing and
2. 325222 Noncellulosic Organic Fiber Manufacturing.

325221 Cellulosic Organic Fiber Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. cellulosic (i.e., rayon and acetate) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or
2. manufacturing and texturizing cellulosic fibers and filaments.

325222 Noncellulosic Organic Fiber Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow, or
2. manufacturing and texturizing noncellulosic fibers and filaments.

3253 PESTICIDE, FERTILIZER, AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. fertilizers and/or
2. pesticides and other agricultural chemicals.

32531 FERTILIZER MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. nitrogenous or phosphatic fertilizer materials;
2. fertilizers from sewage or animal waste;
3. nitrogenous or phosphatic materials and mixing with other ingredients into fertilizers; and
4. mixing ingredients made elsewhere into fertilizers.

325311 NITROGENOUS FERTILIZER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. nitrogenous fertilizer materials and mixing ingredients into fertilizers;

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2. fertilizers from sewage or animal waste; and
 3. nitrogenous materials and mixing them into fertilizers.

325312 PHOSPHATIC FERTILIZER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. phosphatic fertilizer materials or
2. phosphatic materials and mixing them into fertilizers.

325314 FERTILIZER (MIXING ONLY) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in mixing ingredients made elsewhere into fertilizers.

32532 PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

This industry comprises establishments primarily engaged in the formulation and preparation of agricultural and household pest control chemicals (except fertilizers).

325320 PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in the formulation and preparation of agricultural and household pest control chemicals (except fertilizers).

3254 PHARMACEUTICAL AND MEDICINE MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. biological and medicinal products;
2. processing (i.e., grading, grinding, and milling) botanical drugs and herbs;
3. isolating active medicinal principals from botanical drugs and herbs; and
4. pharmaceutical products intended for internal and external consumption in such forms as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

32541 PHARMACEUTICAL AND MEDICINE MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. biological and medicinal products;
2. processing (i.e., grading, grinding, and milling) botanical drugs and herbs;
3. isolating active medicinal principals from botanical drugs and herbs; and
4. pharmaceutical products intended for internal and external consumption in such forms as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

325411 MEDICINAL AND BOTANICAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. uncompounded medicinal chemicals and their derivatives (i.e., generally for use by pharmaceutical preparation manufacturers) and/or
2. grading, grinding, and milling uncompounded botanicals.

325412 PHARMACEUTICAL PREPARATION MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing in-vivo diagnostic substances and pharmaceutical preparations (except biological) intended for internal and external consumption in dose forms, such as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

325413 IN-VITRO DIAGNOSTIC SUBSTANCE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing in-vitro (i.e., not taken internally) diagnostic substances, such as chemical, biological, or radioactive substances. The substances are used for diagnostic tests that are performed in test tubes, petri dishes, machines, and other diagnostic test-type devices.

325414 BIOLOGICAL PRODUCT (EXCEPT DIAGNOSTIC) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing vaccines, toxoids, blood fractions, and culture media of plant or animal origin (except diagnostic).

3255 PAINT, COATING, AND ADHESIVE MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. paints and coatings and/or
2. adhesives.

32551 PAINT AND COATING MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellent coatings for concrete and masonry, and/or
2. allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit.

325510 PAINT AND COATING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellent coatings for concrete and masonry and/or
2. allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit.

32552 ADHESIVE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing adhesives, glues, and caulking compounds.

325520 ADHESIVE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing adhesives, glues, and caulking compounds.

3256 SOAP, CLEANING COMPOUND, AND TOILET PREPARATION MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. soap and cleaning compounds and/or
2. toilet preparations.

32561 SOAP AND CLEANING COMPOUND MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and packaging soap and other cleaning compounds, surface active agents, and textile and leather finishing agents used to reduce tension or speed the drying process.

32561M SOAP AND CLEANING COMPOUND MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 325611 Soap and Other Detergent Manufacturing;
2. 325612 Polish and Other Sanitation Good Manufacturing; and
3. 325613 Surface Active Agent Manufacturing.

325611 Soap and Other Detergent Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and packaging soaps and other detergents, such as laundry detergents, dishwashing detergents, toothpaste gels and tooth powders and natural glycerin.

325612 Polish and Other Sanitation Good Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and packaging polishes and specialty cleaning preparations.

325613 Surface Active Agent Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. bulk surface active agents for use as wetting agents, emulsifiers, and penetrants, and/or
2. textiles and leather finishing agents used to reduce tension or speed the drying process.

32562 TOILET PREPARATION MANUFACTURING

This industry comprises establishments primarily engaged in preparing, blending, compounding, and packaging toilet preparations, such as perfumes, shaving preparations, hair preparations, face creams, lotions (including sunscreens), and other cosmetic preparations.

325620 TOILET PREPARATION MANUFACTURING

This U.S. industry comprises establishments primarily engaged in preparing, blending, compounding, and packaging toilet preparations, such as perfumes, shaving preparations, hair preparations, face creams, lotions (including sunscreens), and other cosmetic preparations.

3259 OTHER CHEMICAL PRODUCT AND PREPARATION MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals; resins, synthetic rubber, cellulosic and noncellulosic fibers and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; soaps and cleaning compounds; and toilet preparations).

32591 PRINTING INK MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing printing and inkjet inks and inkjet cartridges.

325910 PRINTING INK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing printing and inkjet inks and inkjet cartridges.

32592 EXPLOSIVES MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing explosives.

325920 EXPLOSIVES MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing explosives.

32599 ALL OTHER CHEMICAL PRODUCT AND PREPARATION MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals, resins, and synthetic rubber; cellulosic and noncellulosic fibers and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; and soaps, cleaning compounds, and toilet preparations; printing inks; and explosives).

325991 CUSTOM COMPOUNDING OF PURCHASED RESINS

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. custom mixing and blending plastics resins made elsewhere or
2. reformulating plastics resins from recycled plastics products.

32599N ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT AND PREPARATION MANUFACTURING (INCLUDING PHOTOGRAPHIC)

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 325992 Photographic Film, Paper, Plate, and Chemical Manufacturing and
2. 325998 All Other Miscellaneous Chemical Product and Preparation Manufacturing.

325992 Photographic Film, Paper, Plate, and Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sensitized film, sensitized paper, sensitized cloth, sensitized plates, toners (i.e., for photocopiers, laser printers, and similar electrostatic printing devices), toner cartridges, and photographic chemicals.

325998 All Other Miscellaneous Chemical Product and Preparation Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals, resins, synthetic rubber; cellulosic and noncellulosic fiber and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings and adhesives; soap, cleaning compounds, and toilet preparations; printing inks; explosives; custom compounding of purchased resins; and photographic films, papers, plates, and chemicals).

326 PLASTICS AND RUBBER PRODUCTS MANUFACTURING

Industries in the Plastics and Rubber Products Manufacturing subsector make goods by processing plastics materials and raw rubber. The core technology employed by establishments in this subsector is that of plastics or rubber product production. Plastics and rubber are combined in the same subsector because plastics are increasingly being used as a substitute for rubber; however, the subsector is generally restricted to the production of products made of just one material, either solely plastics or rubber.

Many manufacturing activities use plastics or rubber, for example the manufacture of footwear, or furniture. Typically, the production process of these products involves more than one material. In these cases, technologies that allow disparate materials to be formed and combined are of central importance in describing the manufacturing activity. In the North American Industry Classification System (NAICS), such activities (the footwear and furniture manufacturing) are not classified in the Plastics and Rubber Products Manufacturing subsector because the core technologies for these activities are diverse and involve multiple materials.

Within the Plastics and Rubber Products Manufacturing subsector, a distinction is made between plastics and rubber products at the industry group level, although it is not a rigid distinction, as can be seen from the definition of Industry 32622, Rubber and Plastics Hoses and Belting Manufacturing. As materials technology progresses, plastics are increasingly being used as a substitute for rubber; and eventually, the distinction may disappear as a basis for establishment classification.

In keeping with the core technology focus of plastics, lamination of plastics film to plastics film as well as the production of bags from plastics only is classified in this subsector. Lamination and bag production involving plastics and materials other than plastics are classified in the NAICS Subsector 322, Paper Manufacturing.

3261 PLASTICS PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in processing new or spent (i.e., recycled) plastics resins into intermediate or final products, using such processes as compression molding; extrusion molding; injection molding; blow molding; and casting. Within most of these industries, the production process is such that a wide variety of products can be made.

32611 PLASTICS PACKAGING MATERIALS AND UNLAMINATED FILM AND SHEET MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. converting plastics resins into unsupported plastics film and sheet and/or
2. forming, coating or laminating plastics film and sheet into plastics bags.

326111 PLASTICS BAG MANUFACTURING

This U.S. industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. converting plastics resins into plastics bags or
2. forming, coating, or laminating plastics film and sheet into single wall or multiwall plastics bags.

Establishments in this industry may print on the bags they manufacture.

326112 PLASTICS PACKAGING FILM AND SHEET (INCLUDING LAMINATED) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting plastics resins into plastics packaging (flexible) film and packaging sheet.

326113 UNLAMINATED PLASTICS FILM AND SHEET (EXCEPT PACKAGING) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting plastics resins into plastics film and un laminated sheet (except packaging).

32612 PLASTICS PIPE, PIPE FITTING, AND UNLAMINATED PROFILE SHAPE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing plastics pipes and pipe fittings, and plastics profile shapes such as rod, tube, and sausage casings.

326121 UNLAMINATED PLASTICS PROFILE SHAPE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting plastics resins into nonrigid plastics profile shapes (except film, sheet, and bags), such as rod, tube, and sausage casings.

326122 PLASTICS PIPE AND PIPE FITTING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting plastics resins into rigid plastics pipes and pipe fittings.

32613 LAMINATED PLASTICS PLATE, SHEET (EXCEPT PACKAGING), AND SHAPE MANUFACTURING

This industry comprises establishments primarily engaged in laminating plastics profile shapes such as plate, sheet (except packaging), and rod. The lamination process generally involves bonding or impregnating profiles with plastics resins and compressing them under heat.

326130 LAMINATED PLASTICS PLATE, SHEET (EXCEPT PACKAGING), AND SHAPE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in laminating plastics profile shapes such as plate, sheet (except packaging), and rod. The lamination process generally involves bonding or impregnating profiles with plastics resins and compressing them under heat.

32614 POLYSTYRENE FOAM PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing polystyrene foam products.

326140 POLYSTYRENE FOAM PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing polystyrene foam products.

32615 URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing plastics foam products (except polystyrene).

326150 URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing plastics foam products (except polystyrene).

32616 PLASTICS BOTTLE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing plastics bottles.

326160 PLASTICS BOTTLE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing plastics bottles.

32619 OTHER PLASTICS PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing resilient floor covering and other plastics products (except film, sheet, bags, profile shapes, pipes, pipe fittings, laminates, foam products, and bottles).

32619M OTHER PLASTICS PRODUCT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 326191 Plastics Plumbing Fixture Manufacturing;
2. 326192 Resilient Floor Covering Manufacturing; and
3. 326199 All Other Plastics Product Manufacturing.

326191 Plastics Plumbing Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics or fiberglass plumbing fixtures. Examples of products made by these establishments are plastics or fiberglass bathtubs, hot tubs, portable toilets, and shower stalls.

326192 Resilient Floor Covering Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing resilient floor coverings for permanent installation.

326199 All Other Plastics Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics products (except film, sheet, bags, profile shapes, pipes, pipe fittings, laminates, foam products, bottles, plumbing fixtures, and resilient floor coverings).

3262 RUBBER PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in processing natural, and synthetic or reclaimed rubber materials into intermediate or final products using processes such as vulcanizing, cementing, molding, extruding, and lathe-cutting.

32621 TIRE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber and retreading or rebuilding tires.

32621M TIRE MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 326211 Tire Manufacturing (except Retreading) and
2. 326212 Tire Retreading.

326211 Tire Manufacturing (except Retreading)

This U.S. industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber.

326212 Tire Retreading

This U.S. industry comprises establishments primarily engaged in retreading or rebuilding tires.

32622 RUBBER AND PLASTICS HOSES AND BELTING MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

326220 RUBBER AND PLASTICS HOSES AND BELTING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

32629 OTHER RUBBER PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing rubber products (except tires, hoses, and belting) from natural and synthetic rubber.

32629M OTHER RUBBER PRODUCT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 326291 Rubber Product Manufacturing for Mechanical Use and
2. 326299 All Other Rubber Product Manufacturing.

326291 Rubber Product Manufacturing for Mechanical Use

This U.S. industry comprises establishments primarily engaged in molding, extruding, or lathe-cutting rubber to manufacture rubber goods (except tubing) for mechanical applications. Products of this industry are generally parts for motor vehicles, machinery, and equipment.

326299 All Other Rubber Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rubber products (except tires; hoses and belting; and molded, extruded, and lathe-cut rubber goods for mechanical applications) from natural and synthetic rubber.

327 NONMETALLIC MINERAL PRODUCT MANUFACTURING

The Nonmetallic Mineral Product Manufacturing subsector transforms mined or quarried nonmetallic minerals, such as sand, gravel, stone, clay, and refractory materials, into products for intermediate or final consumption. Processes used include grinding, mixing, cutting, shaping, and honing. Heat often is used in the process and chemicals are frequently mixed to change the composition, purity, and chemical properties for the intended product. For example, glass is produced by heating silica sand to the melting point (sometimes combined with cullet or recycled glass) and then drawn, floated, or blow molded to the desired shape or thickness. Refractory materials are heated and then formed into bricks or other shapes for use in industrial applications. The Nonmetallic Mineral Product Manufacturing subsector includes establishments that manufacture products, such as bricks, refractories, ceramic products, and glass and glass products, such as plate glass and containers. Also included are cement and concrete products, lime, gypsum and other nonmetallic mineral products including abrasive products, ceramic plumbing fixtures, statuary, cut stone products, and mineral wool. The products are used in a wide range of activities from construction and heavy and light manufacturing to articles for personal use.

Mining, beneficiating, and manufacturing activities often occur in a single location. Separate receipts will be collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals, beneficiate the nonmetallic minerals and further process the nonmetallic minerals into a more finished manufactured product are classified based on the primary activity of the establishment. A mine that manufactures a small amount of finished products will be classified in Sector 21, Mining. An establishment that mines whose primary output is a more-finished manufactured product will be classified in the Manufacturing Sector.

Excluded from the Nonmetallic Mineral Product Manufacturing subsector are establishments that primarily beneficiate mined nonmetallic minerals. Beneficiation is the process whereby the extracted material is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use. Beneficiation establishments are included in Sector 21, Mining.

3271 CLAY PRODUCT AND REFRACTORY MANUFACTURING

This industry group comprises establishments primarily engaged in shaping, molding, glazing, and firing pottery, ceramics, and plumbing fixtures made entirely or partly of clay or other ceramic materials and/or shaping, molding, baking, burning, or hardening clay refractories, non-clay refractories, ceramic tile, structural clay tile, brick, and other structural clay building materials.

32711 POTTERY, CERAMICS, AND PLUMBING FIXTURE MANUFACTURING

This industry comprises establishments primarily engaged in shaping, molding, glazing, and firing pottery, ceramics, and plumbing fixtures made entirely or partly of clay or other ceramic materials.

327111 VITREOUS CHINA PLUMBING FIXTURE AND CHINA AND EARTHENWARE BATHROOM ACCESSORIES MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing vitreous china plumbing fixtures and china and earthenware bathroom accessories, such as faucet handles, towel bars, and soap dishes.

327112 VITREOUS CHINA, FINE EARTHENWARE, AND OTHER POTTERY PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing table and kitchen articles, art and ornamental items, and similar vitreous china, fine earthenware, stoneware, coarse earthenware, and pottery products.

327113 PORCELAIN ELECTRICAL SUPPLY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing porcelain electrical insulators, molded porcelain parts for electrical devices, ferrite or ceramic magnets, and electronic and electrical supplies from nonmetallic minerals, such as clay and ceramic materials.

32712 CLAY BUILDING MATERIAL AND REFRACTORIES MANUFACTURING

This industry comprises establishments primarily engaged in shaping, molding, baking, burning, or hardening clay refractories, nonclay refractories, ceramic tile, structural clay tile, brick, and other structural clay building materials.

327121 BRICK AND STRUCTURAL CLAY TILE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing brick and structural clay tiles.

327122 CERAMIC WALL AND FLOOR TILE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing ceramic wall and floor tiles.

327123 OTHER STRUCTURAL CLAY PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing clay sewer pipe, drain tile, flue lining tile, architectural terra-cotta, and other structural clay products.

32712N REFRACTORY MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 327124 Clay Refractory Manufacturing and
2. 327125 Nonclay Refractory Manufacturing.

327124 Clay Refractory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing clay refractory, mortar, brick, block, tile, and fabricated clay refractories, such as melting pots. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

327125 Nonclay Refractory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonclay refractory, mortar, brick, block, tile, and fabricated nonclay refractories such as graphite, magnesite, silica, or alumina crucibles. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

3272 GLASS AND GLASS PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing glass and/or glass products. Establishments in this industry may manufacture glass and/or glass products by melting silica sand or cullet, or purchasing glass.

32721 GLASS AND GLASS PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing glass and/or glass products. Establishments in this industry may manufacture glass and/or glass products by melting silica sand or cullet, or purchasing glass.

327211 FLAT GLASS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. flat glass by melting silica sand or cullet, or
2. both flat glass and laminated glass by melting silica sand or cullet.

327212 OTHER PRESSED AND BLOWN GLASS AND GLASSWARE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing glass by melting silica sand or cullet and making pressed, blown, or shaped glass or glassware (except glass packaging containers).

327213 GLASS CONTAINER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing glass packaging containers.

327215 GLASS PRODUCT MANUFACTURING MADE OF PURCHASED GLASS

This U.S. industry comprises establishments primarily engaged in coating, laminating, tempering, or shaping purchased glass.

3273 CEMENT AND CONCRETE PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. cement;
2. ready-mix concrete;
3. concrete pipe, brick, and block; and/or
4. other concrete products.

32731 CEMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

327310 CEMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

32732 READY-MIX CONCRETE MANUFACTURING

This industry comprises establishments, such as batch plants or mix plants, primarily engaged in manufacturing concrete delivered to a purchaser in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

327320 READY-MIX CONCRETE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing concrete delivered to a purchaser, such as batch plants or mix plants, in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

32733 CONCRETE PIPE, BRICK, AND BLOCK MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing concrete pipe, brick, and block.

32733M CONCRETE PIPE, BRICK, AND BLOCK MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 327331 Concrete Block and Brick Manufacturing and
2. 327332 Concrete Pipe Manufacturing.

327331 Concrete Block and Brick Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete block and brick.

327332 Concrete Pipe Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete pipe.

32739 OTHER CONCRETE PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

327390 OTHER CONCRETE PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

3274 LIME AND GYPSUM PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells and/or gypsum products such as wallboard, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work.

32741 LIME MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

327410 LIME MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

32742 GYPSUM PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing gypsum products such as wallboard, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

327420 GYPSUM PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing gypsum products such as wallboard, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

3279 OTHER NONMETALLIC MINERAL PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except clay products, refractory products, glass products, cement and concrete products, lime, and gypsum products).

32791 ABRASIVE PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products.

327910 ABRASIVE PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products.

32799 ALL OTHER NONMETALLIC MINERAL PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; and abrasive products).

327991 CUT STONE AND STONE PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in cutting, shaping, and finishing granite, marble, limestone, slate, and other stone for building and miscellaneous uses. Stone product manufacturing establishments may mine, quarry, or purchase stone.

327992 GROUND OR TREATED MINERAL AND EARTH MANUFACTURING

This U.S. industry comprises establishments primarily engaged in calcining, dead burning, or otherwise processing beyond beneficiation, clays, ceramic and refractory minerals, barite, and miscellaneous nonmetallic minerals.

327993 MINERAL WOOL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing mineral wool and mineral wool (i.e., fiberglass) insulation products made of such siliceous materials as rock, slag, and glass or combinations thereof.

327999 ALL OTHER MISCELLANEOUS NONMETALLIC MINERAL PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; abrasive products; cut stone and stone products; ground and treated minerals and earth; and mineral wool).

331 PRIMARY METAL MANUFACTURING

Industries in the Primary Metal Manufacturing subsector smelt and/or refine ferrous and nonferrous metals from ore, pig or scrap, using electrometallurgical and other process metallurgical techniques. Establishments in this subsector also manufacture metal alloys and superalloys by introducing other chemical elements to pure metals. The output of smelting and refining, usually in ingot form, is used in rolling, drawing, and extruding operations to make sheet, strip, bar, rod, or wire, and in molten form to make castings and other basic metal products.

Primary manufacturing of ferrous and nonferrous metals begins with ore or concentrate as the primary input. Establishments manufacturing primary metals from ore and/or concentrate remain classified in the primary smelting, primary refining, or iron and steel mill industries regardless of the form of their output. Establishments primarily engaged in secondary smelting and/or secondary refining recover ferrous and nonferrous metals from scrap and/or dross. The output of the

secondary smelting and/or secondary refining industries is limited to shapes, such as ingot or billet, that will be further processed. Recovery of metals from scrap often occurs in establishments that are primarily engaged in activities, such as rolling, drawing, extruding, or similar processes.

Excluded from the Primary Metal Manufacturing subsector are establishments primarily engaged in manufacturing ferrous and nonferrous forgings (except ferrous forgings made in steel mills) and stampings. Although forging, stamping, and casting are all methods used to make metal shapes, forging and stamping do not use molten metals and are included in Subsector 332, Fabricated Metal Product Manufacturing. Establishments primarily engaged in operating coke ovens are classified in Industry 32419, Other Petroleum and Coal Products Manufacturing.

3311 IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. direct reduction of iron ore;
2. pig iron in molten or solid form;
3. converting pig iron into steel;
4. ferroalloys;
5. making steel;
6. making steel and shapes (e.g., bar, plate, rod, sheet, strip, and wire); and
7. making steel and forming pipe and tube.

33111 IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. direct reduction of iron ore;
2. pig iron in molten or solid form;
3. converting pig iron into steel;
4. ferroalloys;
5. making steel;
6. making steel and shapes (e.g., bar, plate, rod, sheet, strip, and wire); and
7. making steel and forming pipe and tube.

33111M IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 331111 Iron and Steel Mills and
2. 331112 Electrometallurgical Ferroalloy Product Manufacturing.

331111 Iron and Steel Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. direct reduction of iron ore;
2. pig iron in molten or solid form;
3. converting pig iron into steel;

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4. making steel;
 5. making steel and shapes (e.g., bar, plate, rod, sheet, strip, wire); and
 6. making steel and forming tube and pipe.

331112 Electrometallurgical Ferroalloy Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electrometallurgical ferroalloys. Ferroalloys add critical elements, such as silicon and manganese for carbon steel and chromium, vanadium, tungsten, titanium, and molybdenum for low- and high-alloy metals. Ferroalloys include iron-rich alloys and more pure forms of elements added during the steel manufacturing process that alter or improve the characteristics of the metal being made.

3312 STEEL PRODUCT MANUFACTURING FROM PURCHASED STEEL

This industry group comprises establishments primarily engaged in manufacturing iron and steel tube and pipe; drawing steel wire; and rolling or drawing shapes from purchased iron or steel.

33121 IRON AND STEEL PIPE AND TUBE MANUFACTURING FROM PURCHASED STEEL

This industry comprises establishments primarily engaged in manufacturing welded, riveted, or seamless pipe and tube from purchased iron or steel.

331210 IRON AND STEEL PIPE AND TUBE MANUFACTURING FROM PURCHASED STEEL

This U.S. industry comprises establishments primarily engaged in manufacturing welded, riveted, or seamless pipe and tube from purchased iron or steel.

33122 ROLLING AND DRAWING OF PURCHASED STEEL

This industry comprises establishments primarily engaged in rolling and/or drawing steel shapes, such as plate, sheet, strip, rod, and bar, from purchased steel.

33122M ROLLING AND DRAWING OF PURCHASED STEEL

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 331221 Rolled Steel Shape Manufacturing and
2. 331222 Steel Wire Drawing.

331221 Rolled Steel Shape Manufacturing

This U.S. industry comprises establishments primarily engaged in rolling or drawing shapes (except wire), such as plate, sheet, strip, rod, and bar, from purchased steel.

331222 Steel Wire Drawing

This U.S. industry comprises establishments primarily engaged in drawing wire from purchased steel.

3313 ALUMINA AND ALUMINUM PRODUCTION AND PROCESSING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. refining alumina;
2. making (i.e., the primary production) aluminum from alumina;
3. recovering aluminum from scrap or dross;
4. alloying purchased aluminum; and

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5. aluminum primary forms (e.g., bar, foil, pipe, plate, rod, sheet, tube, and wire).

33131 ALUMINA AND ALUMINUM PRODUCTION AND PROCESSING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. refining alumina;
2. making (i.e., the primary production) aluminum from alumina;
3. recovering aluminum from scrap or dross;
4. alloying purchased aluminum; and
5. aluminum primary forms (e.g., bar, foil, pipe, plate, rod, sheet, tube, and wire).

331311 ALUMINA REFINING

This U.S. industry comprises establishments primarily engaged in refining alumina (i.e., aluminum oxide) generally from bauxite.

331312 PRIMARY ALUMINUM PRODUCTION

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. making aluminum from alumina and/or
2. making aluminum from alumina and rolling, drawing, extruding, or casting the aluminum they make into primary forms (e.g., bar, billet, ingot, plate, rod, sheet, and strip).

Establishments in this industry may make primary aluminum or aluminum-based alloys from alumina.

331314 SECONDARY SMELTING AND ALLOYING OF ALUMINUM

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. recovering aluminum and aluminum alloys from scrap and/or dross (i.e., secondary smelting) and making billet or ingot (except by rolling) and/or
2. alloys, powder, paste, or flake from purchased aluminum.

331316 ALUMINUM EXTRUDED PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. extruding aluminum bar, pipe, and tube blooms or extruding or drawing tube from purchased aluminum and/or
2. recovering aluminum from scrap and extruding bar, pipe, and tube blooms or drawing tube in integrated mills.

33131N ALUMINUM ROLLING AND DRAWING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 331315 Aluminum Sheet, Plate, and Foil Manufacturing and
2. 331319 Other Aluminum Rolling and Drawing.

331315 Aluminum Sheet, Plate, and Foil Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. flat rolling or continuous casting sheet, plate, foil and welded tube from purchased aluminum and/or
2. recovering aluminum from scrap and flat rolling or continuous casting sheet, plate, foil, and welded tube in integrated mills.

331319 Other Aluminum Rolling and Drawing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. rolling, drawing, or extruding shapes (except flat rolled sheet, plate, foil, and welded tube; extruded rod, bar, pipe, and tube blooms; and drawn or extruded tube) from purchased aluminum and/or
2. recovering aluminum from scrap and rolling, drawing or extruding shapes (except flat rolled sheet, plate, foil, and welded tube; extruded rod, bar, pipe, and tube blooms; and drawn or extruded tube) in integrated mills.

3314 NONFERROUS METAL (EXCEPT ALUMINUM) PRODUCTION AND PROCESSING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. smelting and refining nonferrous metal (except aluminum);
2. rolling, drawing, extruding, and alloying copper; and/or
3. rolling, drawing, extruding, and alloying nonferrous metals (except copper and aluminum).

33141 NONFERROUS METAL (EXCEPT ALUMINUM) SMELTING AND REFINING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. smelting ores into nonferrous metals and/or
2. the primary refining of nonferrous metals (except aluminum) using electrolytic or other processes.

331411 PRIMARY SMELTING AND REFINING OF COPPER

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. smelting copper ore and/or
2. the primary refining of copper by electrolytic methods or other processes.

Establishments in this industry make primary copper and copper-based alloys, such as brass and bronze, from ore or concentrates.

331419 PRIMARY SMELTING AND REFINING OF NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM)

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. making (primary production) nonferrous metals by smelting ore and/or
2. the primary refining of nonferrous metals by electrolytic methods or other processes.

33142 COPPER ROLLING, DRAWING, EXTRUDING, AND ALLOYING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. recovering copper or copper alloys from scraps;
2. alloying purchased copper;
3. rolling, drawing, or extruding shapes, (e.g., bar, plate, sheet, strip, tube, wire) from purchased copper; and
4. recovering copper or copper alloys from scrap and rolling drawing, or extruding shapes (e.g., bar, plate, sheet, strip, tube, wire).

33142M COPPER ROLLING, DRAWING, EXTRUDING, AND ALLOYING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 331421 Copper Rolling, Drawing, and Extruding;
2. 331422 Copper Wire (except Mechanical) Drawing; and
3. 331423 Secondary Smelting, Refining, and Alloying of Copper.

331421 Copper Rolling, Drawing, and Extruding

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube (except bare or insulated copper communication or energy wire)) from purchased copper and/or
2. recovering copper from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube (except bare or insulated copper communication or energy wire)) in integrated mills.

331422 Copper Wire (except Mechanical) Drawing

This U.S. industry comprises establishments primarily engaged in drawing or drawing and insulating communication and energy wire and cable from purchased copper or in integrated secondary smelting and wire drawing plants.

331423 Secondary Smelting, Refining, and Alloying of Copper

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. recovering copper and copper alloys from scrap and/or
2. alloying purchased copper.

Establishments in this industry make primary forms, such as ingot, wire bar, cake, and slab from copper or copper alloys, such as brass and bronze.

33149 NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM) ROLLING, DRAWING, EXTRUDING, AND ALLOYING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. recovering nonferrous metals (except copper and aluminum) and nonferrous metal alloys from scrap;
2. alloying purchased nonferrous metals (except copper and aluminum);

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3. rolling, drawing, and extruding shapes from purchased nonferrous metals (except copper and aluminum); and
 4. recovering nonferrous metals from scrap (except copper and aluminum) and rolling, drawing, or extruding shapes in integrated facilities.

33149M NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM) ROLLING, DRAWING, EXTRUDING, AND ALLOYING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 331491 Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding and
2. 331492 Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum).

331491 Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube) from purchased nonferrous metals and/or
2. recovering nonferrous metals from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube) in integrated mills.

331492 Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. alloying purchased nonferrous metals and/or
2. recovering nonferrous metals from scrap.

Establishments in this industry make primary forms (e.g., bar, billet, bloom, cake, ingot, slab, slug, and wire) using smelting or refining processes.

3315 FOUNDRIES

This industry group comprises establishments primarily engaged in pouring molten metal into molds or dies to form castings. Establishments making castings and further manufacturing, such as machining or assembling, a specific manufactured product are classified in the industry of the finished product. Foundries may perform operations, such as cleaning and deburring, on the castings they manufacture. More involved processes, such as tapping, threading, milling, or machining to tight tolerances, that transform castings into more finished products are classified elsewhere in the manufacturing sector based on the product being made.

Establishments in this industry group make castings from purchased metals or in integrated secondary smelting and casting facilities. When the production of primary metals is combined with making castings, the establishment is classified in 331 with the primary metal being made.

33151 FERROUS METAL FOUNDRIES

This industry comprises establishments primarily engaged in pouring molten iron and steel into molds of a desired shape to made castings. Establishments in this industry purchase iron and steel made in other establishments.

33151M FERROUS METAL FOUNDRIES

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 331511 Iron Foundries;
2. 331512 Steel Investment Foundries; and
3. 331513 Steel Foundries (except Investment).

331511 Iron Foundries

This U.S. industry comprises establishments primarily engaged in pouring molten pig iron or iron alloys into molds to manufacture castings (e.g., cast iron manhole covers, cast iron pipe, cast iron skillets). Establishments in this industry purchase iron made in other establishments.

331512 Steel Investment Foundries

This U.S. industry comprises establishments primarily engaged in manufacturing steel investment castings. Investment molds are formed by covering a wax shape with a refractory slurry. After the refractory slurry hardens, the wax is melted, leaving a seamless mold. Investment molds provide highly detailed, consistent castings. Establishments in this industry purchase steel made in other establishments.

331513 Steel Foundries (except Investment)

This U.S. industry comprises establishments primarily engaged in manufacturing steel castings (except steel investment castings). Establishments in this industry purchase steel made in other establishments.

33152 NONFERROUS METAL FOUNDRIES

This industry comprises establishments primarily engaged in pouring and/or introducing molten nonferrous metal, under high pressure, into metal molds or dies to manufacture castings. Establishments in this industry purchase nonferrous metals made in other establishments.

33152N ALUMINUM FOUNDRIES

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 331521 Aluminum Die-Casting Foundries and
2. 331524 Aluminum Foundries (except Die-Casting).

331521 Aluminum Die-Casting Foundries

This U.S. industry comprises establishments primarily engaged in introducing molten aluminum, under high pressure, into molds or dies to make aluminum die-castings. Establishments in this industry purchase aluminum made in other establishments.

331524 Aluminum Foundries (except Die-Casting)

This U.S. industry comprises establishments primarily engaged in pouring molten aluminum into molds to manufacture aluminum castings. Establishments in this industry purchase aluminum made in other establishments.

33152P FOUNDRIES NOT ALUMINUM

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 331522 Nonferrous (except Aluminum) Die-Casting Foundries;

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2. 331525 Copper Foundries (except Die-Casting); and
 3. 331528 Other Nonferrous Foundries (except Die-Casting).

331522 Nonferrous (except Aluminum) Die-Casting Foundries

This U.S. industry comprises establishments primarily engaged in introducing molten nonferrous metal (except aluminum), under high pressure, into molds to make nonferrous metal die-castings. Establishments in this industry purchase nonferrous metals made in other establishments.

331525 Copper Foundries (except Die-Casting)

This U.S. industry comprises establishments primarily engaged in pouring molten copper into molds to manufacture copper castings. Establishments in this industry purchase copper made in other establishments.

331528 Other Nonferrous Foundries (except Die-Casting)

This U.S. industry comprises establishments primarily engaged in pouring molten nonferrous metals (except aluminum and copper) into molds to manufacture nonferrous castings (except aluminum die-castings, nonferrous (except aluminum) die-castings, aluminum castings, and copper castings). Establishments in this industry purchase nonferrous metals, such as nickel, lead, and zinc, made in other establishments.

332 FABRICATED METAL PRODUCT MANUFACTURING

Industries in the Fabricated Metal Product Manufacturing subsector transform metal into intermediate or end products, other than machinery, computers and electronics, and metal furniture or treating metals and metal formed products fabricated elsewhere. Important fabricated metal processes are forging, stamping, bending, forming, and machining, used to shape individual pieces of metal; and other processes, such as welding and assembling, used to join separate parts together. Establishments in this subsector may use one of these processes or a combination of these processes.

The North American Industry Classification System (NAICS) structure for this subsector distinguishes the forging and stamping processes in a single industry. The remaining industries, in the subsector, group establishments based on similar combinations of processes used to make products.

The manufacturing performed in the Fabricated Metal Product Manufacturing subsector begins with manufactured metal shapes. The establishments in this sector further fabricate the purchased metal shapes into a product. For instance, the Spring and Wire Product Manufacturing industry starts with wire and fabricates such items.

Within manufacturing there are other establishments that make the same products made by this subsector; only these establishments begin production further back in the production process. These establishments have a more integrated operation. For instance, one establishment may manufacture steel, draw it into wire, and make wire products in the same establishment. Such operations are classified in the Primary Metal Manufacturing subsector.

3321 FORGING AND STAMPING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. forgings from purchased metals;
2. metal custom roll forming products;
3. metal stamped and spun products (except automotive, cans, and coins); and
4. powder metallurgy products.

Establishments making metal forgings, metal stampings, and metal spun products and further manufacturing (e.g., machining and assembling) a specific manufactured product are classified in the industry of the finished product. Metal forging, metal stamping, and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

33211 FORGING AND STAMPING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. forgings from purchased metals;
2. metal custom roll forming products;
3. metal stamped and spun products (except automotive, cans, and coins); and
4. powder metallurgy products.

Establishments making metal forgings, metal stampings, and metal spun products and further manufacturing (e.g., machining and assembling) a specific manufactured product are classified in the industry of the finished product. Metal forging, metal stamping, and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

332114 CUSTOM ROLL FORMING

This U.S. industry comprises establishments primarily engaged in custom roll forming metal products by use of rotary motion of rolls with various contours to bend or shape the products.

332117 POWDER METALLURGY PART MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing powder metallurgy products by compacting them in a shaped die and sintering. Establishments in this industry generally make a wide range of parts on a job or order basis.

33211N FORGING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332111 Iron and Steel Forging and
2. 332112 Nonferrous Forging.

332111 Iron and Steel Forging

This U.S. industry comprises establishments primarily engaged in manufacturing iron and steel forgings from purchased iron and steel by hammering mill shapes. Establishments making iron and steel forgings and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished product. Iron and steel forging establishments may perform surface finishing operations, such as cleaning and deburring, on the forgings they manufacture.

332112 Nonferrous Forging

This U.S. industry comprises establishments primarily engaged in manufacturing nonferrous forgings from purchased nonferrous metals by hammering mill shapes. Establishments making nonferrous forgings and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished product. Nonferrous forging establishments may perform surface finishing operations, such as cleaning and deburring, on the forgings they manufacture.

33211P CROWN, CLOSURE, AND METAL STAMPING MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332115 Crown and Closure Manufacturing and
2. 332116 Metal Stamping.

332115 Crown and Closure Manufacturing

This U.S. industry comprises establishments primarily engaged in stamping metal crowns and closures, such as bottle caps and home canning lids and rings.

332116 Metal Stamping

This U.S. industry comprises establishments primarily engaged in manufacturing unfinished metal stampings and spinning unfinished metal products (except crowns, cans, closures, automotive, and coins). Establishments making metal stampings and metal spun products and further manufacturing (e.g., machining, assembling) a specific product are classified in the industry of the finished product. Metal stamping and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

3322 CUTLERY AND HANDTOOL MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. nonprecious and precious plated metal cutlery and flatware;
2. nonpowered hand and edge tools;
3. nonpowered handsaws;
4. saw blades, all types (including those for sawing machines); and
5. metal kitchen utensils (except cutting-type) and pots and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

33221 CUTLERY AND HANDTOOL MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. nonprecious and precious plated metal cutlery and flatware;
2. nonpowered hand and edge tools;
3. nonpowered handsaws;
4. saw blades, all types (including those for sawing machines); and
5. metal kitchen utensils (except cutting-type) and pots and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

33221N CUTLERY, KITCHEN UTENSIL, POT, AND PAN MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332211 Cutlery and Flatware (except Precious) Manufacturing and
2. 332214 Kitchen Utensil, Pot, and Pan Manufacturing.

332211 Cutlery and Flatware (except Precious) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonprecious and precious plated metal cutlery and flatware.

332214 Kitchen Utensil, Pot, and Pan Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal kitchen utensils (except cutting-type), pots, and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

33221P HAND TOOL AND SAW BLADE MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332212 Hand and Edge Tool Manufacturing and
2. 332213 Saw Blade and Handsaw Manufacturing.

332212 Hand and Edge Tool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonpowered hand and edge tools (except saws).

332213 Saw Blade and Handsaw Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. nonpowered handsaws and/or
2. saw blades, all types (including those for power sawing machines).

3323 ARCHITECTURAL AND STRUCTURAL METALS MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. plate work and fabricated structural products and
2. ornamental and architectural metal products.

33231 PLATE WORK AND FABRICATED STRUCTURAL PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. prefabricated metal buildings, panels and sections;
2. structural metal products; and
3. metal plate work products.

33231M PLATE WORK AND FABRICATED STRUCTURAL PRODUCT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332311 Prefabricated Metal Building and Component Manufacturing;
2. 332312 Fabricated Structural Metal Manufacturing; and
3. 332313 Plate Work Manufacturing.

332311 Prefabricated Metal Building and Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing prefabricated metal buildings, panels, and sections.

332312 Fabricated Structural Metal Manufacturing

This U.S. industry comprises establishments primarily engaged in fabricating structural metal products, such as concrete reinforcing bars and fabricated bar joists.

332313 Plate Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal plate work by cutting, punching, bending, shaping, and welding purchased metal plate.

33232 ORNAMENTAL AND ARCHITECTURAL METAL PRODUCTS MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. metal framed windows (i.e., typically using purchased glass) and metal doors;
2. sheet metal work; and
3. ornamental and architectural metal products.

33232M ORNAMENTAL AND ARCHITECTURAL METAL WORK MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332321 Metal Window and Door Manufacturing;
2. 332322 Sheet Metal Work Manufacturing; and
3. 332323 Ornamental and Architectural Metal Work Manufacturing.

332321 Metal Window and Door Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal framed windows (typically using purchased glass) and metal doors. Examples of products made by these establishments are: metal door frames; metal framed window and door screens; and metal molding and trim (except automotive).

332322 Sheet Metal Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sheet metal work (except stampings).

332323 Ornamental and Architectural Metal Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ornamental and architectural metal work, such as staircases, metal open steel flooring, fire escapes, railings, and scaffolding.

3324 BOILER, TANK, AND SHIPPING CONTAINER MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. power boilers and heat exchangers;
2. metal tanks (heavy gauge); and
3. metal cans, boxes, and other metal containers (light gauge).

33241 POWER BOILER AND HEAT EXCHANGER MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

332410 POWER BOILER AND HEAT EXCHANGER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

33242 METAL TANK (HEAVY GAUGE) MANUFACTURING

This industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

332420 METAL TANK (HEAVY GAUGE) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

33243 METAL CAN, BOX, AND OTHER METAL CONTAINER (LIGHT GAUGE) MANUFACTURING

This industry comprises establishments primarily engaged in forming light gauge metal containers.

33243M METAL CAN, BOX, AND OTHER METAL CONTAINER (LIGHT GAUGE) MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332431 Metal Can Manufacturing and
2. 332439 Other Metal Container Manufacturing.

332431 Metal Can Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal cans, lids, and ends.

332439 Other Metal Container Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal (light gauge) containers (except cans).

3325 HARDWARE MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated and time locks).

33251 HARDWARE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated and time locks).

332510 HARDWARE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated and time locks).

3326 SPRING AND WIRE PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. steel springs by forming, such as cutting, bending, and heat winding, metal rod or strip stock, and/or
2. wire springs and fabricated wire products from wire drawn elsewhere (except watch and clock springs).

33261 SPRING AND WIRE PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. steel springs by forming, such as cutting, bending, and heat winding, metal rod or strip stock, and/or
2. wire springs and fabricated wire products from wire drawn elsewhere (except watch and clock springs).

33261M SPRING AND WIRE PRODUCT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332611 Spring (Heavy Gauge) Manufacturing;
2. 332612 Spring (Light Gauge) Manufacturing; and
3. 332618 Other Fabricated Wire Product Manufacturing.

332611 Spring (Heavy Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing heavy gauge springs by forming, such as cutting, bending, and heat winding, rod or strip stock.

332612 Spring (Light Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing light gauge springs from purchased wire or strip.

332618 Other Fabricated Wire Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated wire products (except springs) made from purchased wire.

3327 MACHINE SHOPS; TURNED PRODUCT; AND SCREW, NUT, AND BOLT MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. machine shops and/or
2. turned products and screws, nuts, and bolts.

33271 MACHINE SHOPS

This industry comprises establishments primarily engaged in machining metal parts on a job or order basis (known as machine shops). Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

332710 MACHINE SHOPS

This U.S. industry comprises establishments primarily engaged in machining metal parts on a job or order basis (known as machine shops). Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

33272 TURNED PRODUCT AND SCREW, NUT, AND BOLT MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. precision turned products or
2. metal bolts, nuts, screws, rivets, and other industrial fasteners.

Included in this industry are establishments primarily engaged in manufacturing parts for machinery and equipment on a customized basis.

332721 PRECISION TURNED PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in machining precision products of all materials on a job or order basis (known as precision turned manufacturers). Generally precision turned product jobs are large volume using machines, such as automatic screw machines, rotary transfer machines, computer numerically controlled (CNC) lathes, or turning centers.

332722 BOLT, NUT, SCREW, RIVET, AND WASHER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing metal bolts, nuts, screws, rivets, washers, and other industrial fasteners using machines, such as headers, threaders, and nut forming machines.

3328 COATING, ENGRAVING, HEAT TREATING, AND ALLIED ACTIVITIES

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. heat treating metals and metal products;
2. enameling, lacquering, and varnishing metals and metal products;
3. hot dip galvanizing metals and metal products;
4. engraving, chasing, or etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates);
5. powder coating metals and metal products;
6. electroplating, plating, anodizing, coloring, and finishing metals and metal products; and
7. providing other metal surfacing services for the trade.

Included in this industry are establishments that coat engravings and heat treat metals and metal formed products fabricated elsewhere.

33281 COATING, ENGRAVING, HEAT TREATING, AND ALLIED ACTIVITIES

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. heat treating metals and metal products;
2. enameling, lacquering, and varnishing metals and metal products;
3. hot dip galvanizing metals and metal products;

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4. engraving, chasing, or etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates);
 5. powder coating metals and metal products;
 6. electroplating, plating, anodizing, coloring, and finishing metals and metal products; and
 7. providing other metal surfacing services for the trade.

Included in this industry are establishments that coat engravings and heat treat metals and metal formed products fabricated elsewhere.

33281M COATING, ENGRAVING, HEAT TREATING, AND ALLIED ACTIVITIES

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332811 Metal Heat Treating;
2. 332812 Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers; and
3. 332813 Electroplating, Plating, Polishing, Anodizing, and Coloring.

332811 Metal Heat Treating

This U.S. industry comprises establishments primarily engaged in heat treating, such as annealing, tempering, and brazing, metals and metal products for the trade.

332812 Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. enameling, lacquering, and varnishing metals and metal products;
2. hot dip galvanizing metals and metal products;
3. engraving, chasing, or etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates);
4. powder coating metals and metal products; and
5. providing other metal surfacing services for the trade.

332813 Electroplating, Plating, Polishing, Anodizing, and Coloring

This U.S. industry comprises establishments primarily engaged in electroplating, plating, anodizing, coloring, buffing, polishing, cleaning, and sandblasting metals and metal products for the trade.

3329 OTHER FABRICATED METAL PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, and nuts and bolts).

33291 METAL VALVE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing one or more of the following metal valves:

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1. industrial valves;
 2. fluid power valves and hose fittings;
 3. plumbing fixture fittings and trim; and
 4. other metal valves and pipe fittings.

332913 PLUMBING FIXTURE FITTING AND TRIM MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing metal and plastics plumbing fixture fittings and trim, such as faucets, flush valves, and shower heads.

33291N VALVE AND FITTING (EXCEPT PLUMBING) MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332911 Industrial Valve Manufacturing;
2. 332912 Fluid Power Valve and Hose Fitting Manufacturing; and
3. 332919 Other Metal Valve and Pipe Fitting Manufacturing.

332911 Industrial Valve Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial valves and valves for water works and municipal water systems.

332912 Fluid Power Valve and Hose Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power valves and hose fittings.

332919 Other Metal Valve and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal valves (except industrial valves, fluid power valves, fluid power hose fittings, and plumbing fixture fittings and trim).

33299 ALL OTHER FABRICATED METAL PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metal products, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts and bolts, and metal valves).

332991 BALL AND ROLLER BEARING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing ball and roller bearings of all materials.

332992 SMALL ARMS AMMUNITION MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing small arms ammunition.

332993 AMMUNITION (EXCEPT SMALL ARMS) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing ammunition (except small arms). Examples of products made by these establishments are bombs, depth charges, rockets (except guided missiles), grenades, mines, and torpedoes.

332994 SMALL ARMS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing small firearms that are carried and fired by the individual.

332995 OTHER ORDNANCE AND ACCESSORIES MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing ordnance (except small arms) and accessories.

332996 FABRICATED PIPE AND PIPE FITTING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in fabricating, such as cutting, threading, and bending metal pipes and pipe fittings made from purchased metal pipe.

33299N OTHER FABRICATED METAL PRODUCTS MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 332997 Industrial Pattern Manufacturing;
2. 332998 Enameled Iron and Metal Sanitary Ware Manufacturing; and
3. 332999 All Other Miscellaneous Fabricated Metal Product Manufacturing.

332997 Industrial Pattern Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial patterns.

332998 Enameled Iron and Metal Sanitary Ware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing enameled iron and metal sanitary ware.

332999 All Other Miscellaneous Fabricated Metal Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts and bolts, metal valves, ball and roller bearings, ammunition, small arms and other ordnances, fabricated pipes and pipe fittings, industrial patterns, and enameled iron and metal sanitary ware).

333 MACHINERY MANUFACTURING

Industries in the Machinery Manufacturing subsector create end products that apply mechanical force, for example, the application of gears and levers, to perform work. Some important processes for the manufacture of machinery are forging, stamping, bending, forming, and machining that are used to shape individual pieces of metal. Processes, such as welding and assembling are used to join separate parts together. Although these processes are similar to those used in metal fabricating establishments, machinery manufacturing is different because it typically employs multiple metal forming processes in manufacturing the various parts of the machine. Moreover, complex assembly operations are an inherent part of the production process.

In general, design considerations are very important in machinery production. Establishments specialize in making machinery designed for particular applications. Thus, design is considered to be part of the production process for the purpose of implementing the North American Industry Classification System (NAICS). The NAICS structure reflects this by defining industries and industry groups that make machinery for different applications. A broad distinction exists between machinery that is generally used in a variety of industrial applications (i.e., general purpose machinery)

and machinery that is designed to be used in a particular industry (i.e., special purpose machinery). Three industry groups consist of special purpose machinery—Agricultural, Construction, and Mining Machinery Manufacturing; Industrial Machinery Manufacturing; and Commercial and Service Industry Machinery Manufacturing. The other industry groups make general-purpose machinery: Ventilation, Heating, Air Conditioning, and Commercial Refrigeration Equipment Manufacturing; Metalworking Machinery Manufacturing; Engine, Turbine, and Power Transmission Equipment Manufacturing; and Other General Purpose Machinery Manufacturing.

3331 AGRICULTURE, CONSTRUCTION, AND MINING MACHINERY MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. agricultural implements;
2. construction machinery; and
3. mining and oil and gas field machinery.

33311 AGRICULTURAL IMPLEMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing farm machinery and equipment, powered mowing equipment, and other powered home lawn and garden equipment.

333111 FARM MACHINERY AND EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing agricultural and farm machinery and equipment and other turf and grounds care equipment, including planting, harvesting, and grass mowing equipment (except lawn and garden-type).

333112 LAWN AND GARDEN TRACTOR AND HOME LAWN AND GARDEN EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing powered lawnmowers, lawn and garden tractors, and other home lawn and garden equipment, such as tillers, shredders, and yard vacuums and blowers.

33312 CONSTRUCTION MACHINERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

333120 CONSTRUCTION MACHINERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

33313 MINING AND OIL AND GAS FIELD MACHINERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing oil and gas field and underground mining machinery and equipment.

33313M MINING AND OIL AND GAS FIELD MACHINERY MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 333131 Mining Machinery and Equipment Manufacturing and
2. 333132 Oil and Gas Field Machinery and Equipment Manufacturing.

333131 Mining Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. underground mining machinery and equipment, such as coal breakers, mining cars, core drills, coal cutters, and rock drills and
2. mineral beneficiating machinery and equipment used in surface or underground mines.

333132 Oil and Gas Field Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. oil and gas field machinery and equipment, such as oil and gas field drilling machinery and equipment; oil and gas field production machinery and equipment; and oil and gas field derricks; and
2. water well drilling machinery.

3332 INDUSTRIAL MACHINERY MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. sawmill and woodworking machinery;
2. plastics and rubber industry machinery; and
3. other industrial machinery.

33321 SAWMILL AND WOODWORKING MACHINERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing sawmill and woodworking machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

333210 SAWMILL AND WOODWORKING MACHINERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing sawmill and woodworking machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

33322 PLASTICS AND RUBBER INDUSTRY MACHINERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

333220 PLASTICS AND RUBBER INDUSTRY MACHINERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

33329 OTHER INDUSTRIAL MACHINERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction, mining, sawmill and woodworking, and plastics and rubber products making machinery).

333295 SEMICONDUCTOR MACHINERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wafer processing equipment, semiconductor assembly and packaging equipment, and other semiconductor making machinery.

33329N OTHER MACHINERY MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 333291 Paper Industry Machinery Manufacturing;
2. 333292 Textile Machinery Manufacturing;
3. 333293 Printing Machinery and Equipment Manufacturing;
4. 333294 Food Product Machinery Manufacturing; and
5. 333298 All Other Industrial Machinery Manufacturing.

333291 Paper Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing paper industry machinery for making paper and paper products, such as pulp making machinery, paper and paperboard making machinery, and paper and paperboard converting machinery.

333292 Textile Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing textile machinery for making thread, yarn, and fiber.

333293 Printing Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing printing and bookbinding machinery and equipment, such as printing presses, typesetting machinery, and bindery machinery.

333294 Food Product Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing food and beverage manufacturing-type machinery and equipment, such as dairy product plant machinery and equipment (e.g., homogenizers, pasteurizers, ice cream freezers), bakery machinery and equipment (e.g., dough mixers, bake ovens, pastry rolling machines), meat and poultry processing and preparation machinery, and other commercial food products machinery (e.g., slicers, choppers, and mixers).

333298 All Other Industrial Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction and mining machinery, sawmill and woodworking machinery, plastics and rubber making machinery, paper and paperboard making machinery, textile machinery, printing machinery and equipment, food manufacturing-type machinery, and semiconductor making machinery).

3333 COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing commercial and service machinery, such as automatic vending machinery, commercial laundry and dry-cleaning machinery, office machinery, photographic and photocopying machinery, optical instruments and machinery, automotive maintenance equipment (except mechanic's handtools), industrial vacuum cleaners, and commercial-type cooking equipment.

33331 COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing commercial and service machinery, such as automatic vending machinery, commercial laundry and dry-cleaning machinery, office machinery, photographic and photocopying machinery, optical instruments and machinery, automotive maintenance equipment (except mechanic's handtools), industrial vacuum cleaners, and commercial-type cooking equipment.

333313 OFFICE MACHINERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing office machinery (except computers and photocopying equipment), such as mailhandling machinery and equipment, calculators, typewriters, and dedicated word processing equipment.

333314 OPTICAL INSTRUMENT AND LENS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. optical instruments and lens, such as binoculars, microscopes (except electron and proton), telescopes, prisms, and lenses (except ophthalmic);
2. coating or polishing lenses (except ophthalmic); and
3. mounting lenses (except ophthalmic).

333315 PHOTOGRAPHIC AND PHOTOCOPYING EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing photographic and photocopying equipment, such as cameras (except television, video, and digital), projectors, film developing equipment, photocopying equipment, and microfilm equipment.

33331N ALL OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 333311 Automatic Vending Machine Manufacturing;
2. 333312 Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing; and
3. 333319 Other Commercial and Service Industry Machinery Manufacturing.

333311 Automatic Vending Machine Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. coin, token, currency, or magnetic card operated vending machines; and/or
2. coin operated mechanism for machines, such as vending machines, lockers, and laundry machines.

333312 Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and industrial laundry and drycleaning equipment and pressing machines.

333319 Other Commercial and Service Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and service industry equipment (except automatic vending machines, commercial laundry, drycleaning and pressing machines, office machinery, optical instruments and lenses, and photographic and photocopying equipment).

3334 VENTILATION, HEATING, AIR-CONDITIONING, AND COMMERCIAL REFRIGERATION EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing ventilation, heating, air-conditioning, and commercial and industrial refrigeration and freezer equipment.

33341 VENTILATION, HEATING, AIR-CONDITIONING, AND COMMERCIAL REFRIGERATION EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing ventilation, heating, air-conditioning, and commercial and industrial refrigeration and freezer equipment.

333414 HEATING EQUIPMENT (EXCEPT WARM AIR FURNACES) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing heating equipment (except electric and warm air furnaces), such as heating boilers, heating stoves, floor and wall furnaces, and wall and baseboard heating units.

333415 AIR-CONDITIONING AND WARM AIR HEATING EQUIPMENT AND COMMERCIAL AND INDUSTRIAL REFRIGERATION EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. air-conditioning (except motor vehicle) and warm air furnace equipment and/or
2. commercial and industrial refrigeration and freezer equipment.

33341N VENTILATION EQUIPMENT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 333411 Air Purification Equipment Manufacturing and
2. 333412 Industrial and Commercial Fan and Blower Manufacturing.

333411 Air Purification Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing stationary air purification equipment, such as industrial dust and fume collection equipment, electrostatic precipitation equipment, warm air furnace filters, air washers, and other dust collection equipment.

333412 Industrial and Commercial Fan and Blower Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing attic fans and industrial and commercial fans and blowers, such as commercial exhaust fans and commercial ventilating fans.

3335 METALWORKING MACHINERY MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing metalworking machinery, such as metal cutting and metal forming machine tools; cutting tools; and accessories for metalworking machinery; special dies, tools, jigs, and fixtures; industrial molds; rolling mill machinery; assembly machinery; coil handling, conversion, or straightening equipment; and wire drawing and fabricating machines.

33351 METALWORKING MACHINERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing metalworking machinery, such as metal cutting and metal forming machine tools; cutting tools; and accessories for metalworking machinery; special dies, tools, jigs, and fixtures; industrial molds; rolling mill machinery; assembly machinery; coil handling, conversion, or straightening equipment; and wire drawing and fabricating machines.

333511 INDUSTRIAL MOLD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing industrial molds for casting metals or forming other materials, such as plastics, glass, or rubber.

333512 MACHINE TOOL (METAL CUTTING TYPES) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing metal cutting machine tools (except handtools).

333513 MACHINE TOOL (METAL FORMING TYPES) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing metal forming machine tools (except handtools), such as punching, sheering, bending, forming, pressing, forging, and die-casting machines.

333514 SPECIAL DIE AND TOOL, DIE SET, JIG, AND FIXTURE MANUFACTURING

This U.S. industry comprises establishments, known as tool and die shops, primarily engaged in manufacturing special tools and fixtures, such as cutting dies and jigs.

333515 CUTTING TOOL AND MACHINE TOOL ACCESSORY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing accessories and attachments for metal cutting and metal forming machine tools.

333516 ROLLING MILL MACHINERY AND EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing rolling mill machinery and equipment for metal production.

333518 OTHER METALWORKING MACHINERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing metal working machinery (except industrial molds; metal cutting machine tools; metal forming machine tools; special dies and tools, die sets, jigs, and fixtures; cutting tools and machine tool accessories; and rolling mill machinery and equipment).

3336 ENGINE, TURBINE, AND POWER TRANSMISSION EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing turbines, power transmission equipment, and internal combustion engines (except automotive, gasoline, and aircraft).

33361 ENGINE, TURBINE, AND POWER TRANSMISSION EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing turbines, power transmission equipment, and internal combustion engines (except automotive, gasoline, and aircraft).

333611 TURBINE AND TURBINE GENERATOR SET UNITS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing turbines (except aircraft) and complete turbine generator set units, such as steam, hydraulic, gas, and wind.

333612 SPEED CHANGER, INDUSTRIAL HIGH-SPEED DRIVE, AND GEAR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing gears, speed changers, and industrial high-speed drives (except hydrostatic).

333613 MECHANICAL POWER TRANSMISSION EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing mechanical power transmission equipment (except motor vehicle and aircraft), such as plain bearings, clutches (except motor vehicle and electromagnetic industrial control), couplings, joints, and drive chains.

333618 OTHER ENGINE EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing internal combustion engines (except automotive gasoline and aircraft).

3339 OTHER GENERAL PURPOSE MACHINERY MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. pumps and compressors;
2. material handling equipment; and
3. all other general purpose machinery.

33391 PUMP AND COMPRESSOR MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing pumps and compressors, such as general purpose air and gas compressors, nonagricultural spraying and dusting equipment, general purpose pumps and pumping equipment (except fluid power pumps and motors), and measuring and dispensing pumps.

333911 PUMP AND PUMPING EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing general purpose pumps and pumping equipment (except fluid power pumps and motors), such as reciprocating pumps, turbine pumps, centrifugal pumps, rotary pumps, diaphragm pumps, domestic water system pumps, oil well and oil field pumps, and sump pumps.

333912 AIR AND GAS COMPRESSOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing general purpose air and gas compressors, such as reciprocating compressors, centrifugal compressors, vacuum pumps (except laboratory), and nonagricultural spraying and dusting compressors and spray gun units.

333913 MEASURING AND DISPENSING PUMP MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and dispensing pumps, such as gasoline pumps and lubricating oil measuring and dispensing pumps.

33392 MATERIAL HANDLING EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing material handling equipment, such as elevators and moving stairs; conveyors and conveying equipment; overhead traveling cranes, hoists, and monorail systems; and industrial trucks, tractors, trailers, and stacker machinery.

33392M MATERIAL HANDLING EQUIPMENT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 333921 Elevator and Moving Stairway Manufacturing;

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2. 333922 Conveyor and Conveying Equipment Manufacturing;
 3. 333923 Overhead Traveling Crane, Hoist, and Monorail System Manufacturing; and
 4. 333924 Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing.

333921 Elevator and Moving Stairway Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing elevators and moving stairways.

333922 Conveyor and Conveying Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing conveyors and conveying equipment, such as gravity conveyors, trolley conveyors, tow conveyors, pneumatic tube conveyors, carousel conveyors, farm conveyors, and belt conveyors.

333923 Overhead Traveling Crane, Hoist, and Monorail System Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing overhead traveling cranes, hoists, and monorail systems.

333924 Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial trucks, tractors, trailers, and stackers (i.e., truck-type), such as forklifts, pallet loaders and unloaders, and portable loading docks.

33399 ALL OTHER GENERAL PURPOSE MACHINERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing general purpose machinery (except ventilation, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery; engines, turbines, and power transmission equipment; pumps and compressors; and material handling equipment).

333991 POWER-DRIVEN HANDTOOL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing power-driven (e.g., battery, corded, and pneumatic) handtools, such as drills, screwguns, circular saws, chain saws, staplers, and nailers.

333993 PACKAGING MACHINERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing packaging machinery, such as wrapping, bottling, canning, and labeling machinery.

333994 INDUSTRIAL PROCESS FURNACE AND OVEN MANUFACTURING

This U.S. Industry comprises establishments primarily engaged in manufacturing industrial process furnaces, ovens, induction and dielectric heating equipment, and kilns (except cement, chemical, and wood).

33399N FLUID POWER EQUIPMENT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 333995 Fluid Power Cylinder and Actuator Manufacturing and
2. 333996 Fluid Power Pump and Motor Manufacturing.

333995 Fluid Power Cylinder and Actuator Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) cylinders and actuators.

333996 Fluid Power Pump and Motor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) pumps and motors.

33399P ALL OTHER MISCELLANEOUS GENERAL PURPOSE MACHINERY MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 333992 Welding and Soldering Equipment Manufacturing;
2. 333997 Scale and Balance (except Laboratory) Manufacturing; and
3. 333999 All Other Miscellaneous General Purpose Machinery Manufacturing.

333992 Welding and Soldering Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing welding and soldering equipment and accessories (except transformers), such as arc, resistance, gas, plasma, laser, electron beam, and ultrasonic welding equipment; welding electrodes; coated or cored welding wire; and soldering equipment (except handheld).

333997 Scale and Balance (except Laboratory) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing scales and balances (except laboratory).

333999 All Other Miscellaneous General Purpose Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general purpose machinery (except ventilating, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery; engines, turbines, and power transmission equipment; pumps and compressors; material handling equipment; power-driven handtools; welding and soldering equipment; packaging machinery; industrial process furnaces and ovens; fluid power cylinders and actuators; fluid power pumps and motors; and scales and balances).

334 COMPUTER AND ELECTRONIC PRODUCT MANUFACTURING

Industries in the Computer and Electronic Product Manufacturing subsector group establishments that manufacture computers, computer peripherals, communications equipment, and similar electronic products, and establishments that manufacture components for such products. The Computer and Electronic Product Manufacturing industries have been combined in the hierarchy of the North American Industry Classification System (NAICS) because of the economic significance they have attained. Their rapid growth suggests that they will become even more important to the economies of all three North American countries in the future, and in addition their manufacturing processes are fundamentally different from the manufacturing processes of other machinery and equipment. The design and use of integrated circuits and the application of highly specialized miniaturization technologies are common elements in the production technologies of the computer and electronic subsector. Convergence of technology motivates this NAICS subsector. Digitalization of sound recording, for example, causes both the medium (the compact disc) and the equipment to resemble the technologies for recording, storing, transmitting, and manipulating data. Communications technology and equipment have been converging with computer technology. When technologically-related components are in the same sector, it makes it easier to adjust the classification for future changes, without needing to redefine its basic structure. The creation of the Computer and Electronic Product Manufacturing subsector will assist in delineating new

and emerging industries because the activities that will serve as the probable sources of new industries, such as computer manufacturing and communications equipment manufacturing, or computers and audio equipment, are brought together. As new activities emerge, they are less likely, therefore, to cross the subsector boundaries of the classification.

3341 COMPUTER AND PERIPHERAL EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers; and computer peripheral equipment, such as storage devices, printers, monitors, input/output devices and terminals. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following:

1. store the processing program or programs and the data immediately necessary for the execution of the program;
2. can be freely programmed in accordance with the requirements of the user;
3. perform arithmetical computations specified by the user; and
4. execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run.

Analog computers are capable of simulating mathematical models and comprise at least analog, control, and programming elements.

33411 COMPUTER AND PERIPHERAL EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers; and computer peripheral equipment, such as storage devices, printers, monitors, input/output devices and terminals. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following:

1. store the processing program or programs and the data immediately necessary for the execution of the program;
2. can be freely programmed in accordance with the requirements of the user;
3. perform arithmetical computations specified by the user; and
4. execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run.

Analog computers are capable of simulating mathematical models and comprise at least analog, control, and programming elements.

334111 ELECTRONIC COMPUTER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following:

1. store the processing program or programs and the data immediately necessary for the execution of the program;
2. can be freely programmed in accordance with the requirements of the user;
3. perform arithmetical computations specified by the user; and
4. execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run.

Analog computers are capable of simulating mathematical models and contain at least analog, control, and programming elements. The manufacture of computers includes the assembly or integration of processors, coprocessors, memory, storage, and input/output devices into a user-programmable final product.

334112 COMPUTER STORAGE DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing computer storage devices that allow the storage and retrieval of data from a phase change, magnetic, optical, or magnetic/optical media. Examples of products made by these establishments are CD-ROM drives, floppy disk drives, hard disk drives, and tape storage and backup units.

334113 COMPUTER TERMINAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing computer terminals. Computer terminals are input/output devices that connect with a central computer for processing.

334119 OTHER COMPUTER PERIPHERAL EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing computer peripheral equipment (except storage devices and computer terminals).

3342 COMMUNICATIONS EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. telephone equipment;
2. radio and television broadcasting and wireless communications equipment; and
3. other communications equipment.

33421 TELEPHONE APPARATUS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be standalone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, LAN modems, multi-user modems, and other data communications equipment, such as bridges, routers, and gateways.

334210 TELEPHONE APPARATUS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be stand-alone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, and data communications equipment, such as bridges, routers, and gateways.

33422 RADIO AND TELEVISION BROADCASTING AND WIRELESS COMMUNICATIONS EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are: transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

334220 RADIO AND TELEVISION BROADCASTING AND WIRELESS COMMUNICATIONS EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

33429 OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, and radio and television broadcast, and wireless communications equipment).

334290 OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, radio and television broadcast, and wireless communications equipment).

3343 AUDIO AND VIDEO EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

33431 AUDIO AND VIDEO EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

334310 AUDIO AND VIDEO EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

3344 SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing semiconductors and other components for electronic applications. Examples of products made by these establishments are capacitors, resistors, microprocessors, bare and loaded printed circuit boards, electron tubes, electronic connectors, and computer modems.

33441 SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing semiconductors and other components for electronic applications. Examples of products made by these establishments are capacitors, resistors, microprocessors, bare and loaded printed circuit boards, electron tubes, electronic connectors, and computer modems.

334411 ELECTRON TUBE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electron tubes and parts (except glass blanks). Examples of products made by these establishments are cathode ray tubes (i.e., picture tubes), klystron tubes, magnetron tubes, and traveling wave tubes.

334412 BARE PRINTED CIRCUIT BOARD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing bare (i.e., rigid or flexible) printed circuit boards without mounted electronic components. These establishments print, perforate, plate, screen, etch, or photoprint interconnecting pathways for electric current on laminates.

334413 SEMICONDUCTOR AND RELATED DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing semiconductors and related solid state devices. Examples of products made by these establishments are integrated circuits, memory chips, microprocessors, diodes, transistors, solar cells and other optoelectronic devices.

334414 ELECTRONIC CAPACITOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic fixed and variable capacitors and condensers.

334415 ELECTRONIC RESISTOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic resistors, such as fixed and variable resistors, resistor networks, thermistors, and varistors.

334416 ELECTRONIC COIL, TRANSFORMER, AND OTHER INDUCTOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic inductors, such as coils and transformers.

334417 ELECTRONIC CONNECTOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic connectors, such as coaxial; cylindrical; rack and panel; pin and sleeve; printed circuit; and fiber optic.

334418 PRINTED CIRCUIT ASSEMBLY (ELECTRONIC ASSEMBLY) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in loading components onto printed circuit boards or who manufacture and ship loaded printed circuit boards. Also known as printed circuit assemblies, electronics assemblies, or modules, these products are printed circuit boards that have some or all of the semiconductor and electronic components inserted or mounted and are inputs to a wide variety of electronic systems and devices.

334419 OTHER ELECTRONIC COMPONENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic components (except electron tubes; bare printed circuit boards; semiconductors and related devices; electronic capacitors; electronic resistors; coils, transformers, and other inductors; connectors; and loaded printed circuit boards).

3345 NAVIGATIONAL, MEASURING, ELECTROMEDICAL, AND CONTROL INSTRUMENTS MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing navigational, measuring, electromedical, and control instruments. Examples of products made by these establishments are aeronautical instruments, appliance regulators and controls (except switches), laboratory analytical instruments, navigation and guidance systems, and physical properties testing equipment.

33451 NAVIGATIONAL, MEASURING, ELECTROMEDICAL, AND CONTROL INSTRUMENTS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing navigational, measuring, electromedical, and control instruments. Examples of products made by these establishments are aeronautical instruments, appliance regulators and controls (except switches), laboratory analytical instruments, navigation and guidance systems, and physical properties testing equipment.

334510 ELECTROMEDICAL AND ELECTROTHERAPEUTIC APPARATUS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electromedical and electrotherapeutic apparatus, such as magnetic resonance imaging equipment, medical ultrasound equipment, pacemakers, hearing aids, electrocardiographs, and electromedical endoscopic equipment.

334511 SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEM AND INSTRUMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing search, detection, navigation, guidance, aeronautical, and nautical systems and instruments. Examples of products made by these establishments are aircraft instruments (except engine), flight recorders, navigational instruments and systems, radar systems and equipment, and sonar systems and equipment.

334512 AUTOMATIC ENVIRONMENTAL CONTROL MANUFACTURING FOR RESIDENTIAL, COMMERCIAL, AND APPLIANCE USE

This U.S. industry comprises establishments primarily engaged in manufacturing automatic controls and regulators for applications, such as heating, air-conditioning, refrigeration, and appliances.

334513 INSTRUMENTS AND RELATED PRODUCTS MANUFACTURING FOR MEASURING, DISPLAYING, AND CONTROLLING INDUSTRIAL PROCESS VARIABLES

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and related devices for measuring, displaying, indicating, recording, transmitting, and controlling industrial process variables. These instruments measure, display, or control (i.e., monitor and analyze) industrial process variables, such as temperature, humidity, pressure, vacuum, combustion, flow, level, viscosity, density, acidity, concentration, and rotation.

334514 TOTALIZING FLUID METER AND COUNTING DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing totalizing (i.e., registering) fluid meters and counting devices. Examples of products made by these establishments are gas consumption meters, water consumption meters, parking meters, taxi meters, motor vehicle gauges, and fare collection equipment.

334515 INSTRUMENT MANUFACTURING FOR MEASURING AND TESTING ELECTRICITY AND ELECTRICAL SIGNALS

This U.S. industry comprises establishments primarily engaged in manufacturing instruments for measuring and testing the characteristics of electricity and electrical signals. Examples of products made by these establishments are circuit and continuity testers, volt meters, ohm meters, wattmeters, multimeters, and semiconductor test equipment.

334516 ANALYTICAL LABORATORY INSTRUMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and instrumentation systems for laboratory analysis of the chemical or physical composition or concentration of samples of solid, fluid, gaseous, or composite material.

334517 IRRADIATION APPARATUS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing irradiation apparatus and tubes for applications, such as medical diagnostic, medical therapeutic, industrial, and research and scientific evaluation. Irradiation can take the form of beta-rays, gamma-rays, X-rays, or other ionizing radiation.

334518 WATCH, CLOCK, AND PART MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling: clocks; watches; timing mechanisms for clockwork operated devices; time clocks; time and date recording devices; and clock and watch parts (except crystals), such as springs, jewels, and modules.

334519 OTHER MEASURING AND CONTROLLING DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and controlling devices (except search, detection, navigation, guidance, aeronautical, and nautical instruments and systems; automatic environmental controls for residential, commercial, and appliance use; instruments for measurement, display, and control of industrial process variables; totalizing fluid meters and counting devices; instruments for measuring and testing electricity and electrical signals; analytical laboratory instruments; watches, clocks, and parts; irradiation equipment; and electromedical and electrotherapeutic apparatus).

3346 MANUFACTURING AND REPRODUCING MAGNETIC AND OPTICAL MEDIA

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. optical and magnetic media, such as blank audio tape, blank video tape, and blank diskettes and/or
2. mass duplicating (i.e., making copies) audio, video, software, and other data on magnetic, optical, and similar media.

33461 MANUFACTURING AND REPRODUCING MAGNETIC AND OPTICAL MEDIA

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. optical and magnetic media, such as blank audio tape, blank video tape, and blank diskettes and/or;
2. mass duplicating (i.e., making copies) audio, video, software, and other data on magnetic, optical, and similar media.

334611 SOFTWARE REPRODUCING

This U.S. industry comprises establishments primarily engaged in mass reproducing computer software. These establishments do not generally develop any software, they mass reproduce data and programs on magnetic media, such as diskettes, tapes, or cartridges. Establishments in this industry mass reproduce products, such as CD-ROMs and game cartridges.

334612 PRERECORDED COMPACT DISC (EXCEPT SOFTWARE), TAPE, AND RECORD REPRODUCING

This U.S. industry comprises establishments primarily engaged in mass reproducing audio and video material on magnetic or optical media. Examples of products mass reproduced by these establishments are audio compact discs, prerecorded audio and video cassettes, and laser discs.

334613 MAGNETIC AND OPTICAL RECORDING MEDIA MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing magnetic and optical recording media, such as blank magnetic tape, blank diskettes, blank optical discs, hard drive media, and blank magnetic tape cassettes.

335 ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING

Industries in the Electrical Equipment, Appliance, and Component Manufacturing subsector manufacture products that generate, distribute and use electrical power. Electric Lighting Equipment Manufacturing establishments produce electric lamp bulbs, lighting fixtures, and parts. Household Appliance Manufacturing establishments make both small and major electrical appliances and parts. Electrical Equipment Manufacturing establishments make goods, such as electric motors, generators, transformers, and switchgear apparatus. Other Electrical Equipment and Component Manufacturing establishments make devices for storing electrical power (e.g., batteries), for transmitting electricity (e.g., insulated wire), and wiring devices (e.g., electrical outlets, fuse boxes, and light switches).

3351 ELECTRIC LIGHTING EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. electric lamp bulbs and parts and/or
2. lighting fixtures.

33511 ELECTRIC LAMP BULB AND PART MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

335110 ELECTRIC LAMP BULB AND PART MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

33512 LIGHTING FIXTURE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except vehicular), nonelectric lighting equipment, lamp shades (except glass and plastics), and lighting fixture components (except current-carrying wiring devices).

33512M LIGHTING FIXTURE MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 335121 Residential Electric Lighting Fixture Manufacturing;
2. 335122 Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing; and
3. 335129 Other Lighting Equipment Manufacturing.

335121 Residential Electric Lighting Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fixed or portable residential electric lighting fixtures and lamp shades of metal, paper, or textiles. Residential electric lighting fixtures include those for use both inside and outside the residence.

335122 Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial, industrial, and institutional electric lighting fixtures.

335129 Other Lighting Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except residential, commercial, industrial, institutional, and vehicular electric lighting fixtures) and nonelectric lighting equipment.

3352 HOUSEHOLD APPLIANCE MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. small electrical appliances and/or
2. major appliances.

33521 SMALL ELECTRICAL APPLIANCE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares, household-type fans, household-type vacuum cleaners, and other electric household-type floor care machines.

33521M SMALL ELECTRICAL APPLIANCE MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 335211 Electric Housewares and Household Fan Manufacturing and
2. 335212 Household Vacuum Cleaner Manufacturing.

335211 Electric Housewares and Household Fan Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares for heating, cooking, and other purposes, and electric household-type fans (except attic fans).

335212 Household Vacuum Cleaner Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric vacuum cleaners, electric floor waxing machines, and other electric floor care machines typically for household use.

33522 MAJOR APPLIANCE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing household-type cooking appliances, household-type laundry equipment, household-type refrigerators, upright and chest freezers, and other electrical and nonelectrical major household-type appliances, such as dishwashers, water heaters, and garbage disposal units.

335221 HOUSEHOLD COOKING APPLIANCE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing household-type electric and nonelectric cooking equipment (except small electric appliances and electric housewares).

335222 HOUSEHOLD REFRIGERATOR AND HOME FREEZER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing household-type refrigerators and upright and chest freezers.

335224 HOUSEHOLD LAUNDRY EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing household-type laundry equipment.

335228 OTHER MAJOR HOUSEHOLD APPLIANCE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electric and non-electric major household-type appliances (except cooking equipment, refrigerators, upright and chest freezers, and household-type laundry equipment).

3353 ELECTRICAL EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers; electric motors, generators, and motor generator sets; switchgear and switchboard apparatus; relays; and industrial controls.

33531 ELECTRICAL EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers; electric motors, generators, and motor generator sets; switchgear and switchboard apparatus; relays; and industrial controls.

335311 POWER, DISTRIBUTION, AND SPECIALTY TRANSFORMER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers (except electronic components). Industrial-type and consumer-type transformers in this industry vary (e.g., step up or step down) voltage but do not convert alternating to direct or direct to alternating current.

335312 MOTOR AND GENERATOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electric motors (except internal combustion engine starting motors), power generators (except battery charging alternators for internal combustion engines), and motor generator sets (except turbine generator set units). This industry includes establishments rewinding armatures on a factory basis.

335313 SWITCHGEAR AND SWITCHBOARD APPARATUS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing switchgear and switchboard apparatus.

335314 RELAY AND INDUSTRIAL CONTROL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing relays, motor starters and controllers, and other industrial controls and control accessories.

3359 OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing electrical equipment and components (except electric lighting equipment, household-type appliances, transformers, switchgear, relays, motors, and generators).

33591 BATTERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing primary and storage batteries.

335911 STORAGE BATTERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing storage batteries.

335912 PRIMARY BATTERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wet or dry primary batteries.

33592 COMMUNICATION AND ENERGY WIRE AND CABLE MANUFACTURING

This industry comprises establishments insulating fiber-optic cable, and manufacturing insulated nonferrous wire and cable from nonferrous wire drawn in other establishments.

33592M COMMUNICATION AND ENERGY WIRE AND CABLE MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 335921 Fiber Optic Cable Manufacturing and
2. 335929 Other Communication and Energy Wire Manufacturing.

335921 Fiber Optic Cable Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing insulated fiber-optic cable from purchased fiber-optic strand.

335929 Other Communication and Energy Wire Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing insulated wire and cable of nonferrous metals from purchased wire.

33593 WIRING DEVICE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices and noncurrent-carrying wiring devices for wiring electrical circuits.

33593M WIRING DEVICE MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 335931 Current-Carrying Wiring Device Manufacturing and
2. 335932 Noncurrent-Carrying Wiring Device Manufacturing.

335931 Current-Carrying Wiring Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices.

335932 Noncurrent-Carrying Wiring Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing noncurrent-carrying wiring devices.

33599 ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing electrical equipment (except electric lighting equipment, household-type appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, and wiring devices).

335991 CARBON AND GRAPHITE PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing carbon, graphite, and metal-graphite brushes and brush stock; carbon or graphite electrodes for thermal and electrolytic uses; carbon and graphite fibers; and other carbon, graphite, and metal-graphite products.

335999 ALL OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing industrial and commercial electric apparatus and other equipment (except lighting equipment, household appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, wiring devices, and carbon and graphite products). This industry includes power converters (i.e., AC to DC and DC to AC), power supplies, surge suppressors, and similar equipment for industrial-type and consumer-type equipment.

336 TRANSPORTATION EQUIPMENT MANUFACTURING

Industries in the Transportation Equipment Manufacturing subsector produce equipment for transporting people and goods. Transportation equipment is a type of machinery. An entire subsector is devoted to this activity because of the significance of its economic size in all three North American countries.

Establishments in this subsector utilize production processes similar to those of other machinery manufacturing establishments — bending, forming, welding, machining, and assembling metal or plastic parts into components and finished products. However, the assembly of components and subassemblies and their further assembly into finished vehicles tends to be a more common production process in this subsector than in the Machinery Manufacturing subsector.

The North American Industry Classification System (NAICS) has industry groups for the manufacture of equipment for each mode of transport — road, rail, air and water. Parts for motor vehicles warrant a separate industry group because of their importance and because parts manufacture requires less assembly, and the establishments that manufacture only parts are not as vertically integrated as those that make complete vehicles.

Land use motor vehicle equipment not designed for highway operation (e.g., agricultural equipment, construction equipment, and materials handling equipment) is classified in the appropriate NAICS subsector based on the type and use of the equipment.

3361 MOTOR VEHICLE MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. automobile and light duty motor vehicles and/or
2. heavy duty trucks.

33611 AUTOMOBILE AND LIGHT DUTY MOTOR VEHICLE MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. complete automobile and light duty motor vehicles (i.e., body and chassis or unibody) or
2. chassis only.

336111 AUTOMOBILE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. complete automobiles (i.e., body and chassis or unibody) or

-
2. automobile chassis only.

336112 LIGHT TRUCK AND UTILITY VEHICLE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. complete light trucks and utility vehicles (i.e., body and chassis) or
2. light truck and utility vehicle chassis only.

Vehicles made include light duty vans, pick-up trucks, minivans, and sport utility vehicles.

33612 HEAVY DUTY TRUCK MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special purpose heavy duty motor vehicles for highway use or
2. heavy duty truck chassis only.

336120 HEAVY DUTY TRUCK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special purpose heavy duty motor vehicles for highway use or
2. heavy duty truck chassis only.

3362 MOTOR VEHICLE BODY AND TRAILER MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. motor vehicle bodies and cabs or
2. truck, automobile and utility trailers, truck trailer chassis, detachable trailer bodies, and detachable trailer chassis.

The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Motor homes are units where the motor and the living quarters are contained in the same integrated unit, while travel trailers are designed to be towed by a motor unit, such as an automobile or a light truck.

33621 MOTOR VEHICLE BODY AND TRAILER MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. motor vehicle bodies and cabs or
2. truck, automobile and utility trailers, truck trailer chassis, detachable trailer bodies, and detachable trailer chassis.

The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Motor homes are units where the motor and the living quarters are contained in the same integrated unit, while travel trailers are designed to be towed by a motor unit, such as an automobile or a light truck.

336211 MOTOR VEHICLE BODY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing truck and bus bodies and cabs and automobile bodies. The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

336212 TRUCK TRAILER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing truck trailers, truck trailer chassis, cargo container chassis, detachable trailer bodies, and detachable trailer chassis for sale separately.

336213 MOTOR HOME MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. motor homes on purchased chassis and/or
2. conversion vans on an assembly line basis.

Motor homes are units where the motor and the living quarters are integrated in the same unit.

336214 TRAVEL TRAILER AND CAMPER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. travel trailers and campers designed to attach to motor vehicles;
2. pickup coaches (i.e., campers) and caps (i.e., covers) for mounting on pickup trucks; and
3. automobile, utility, and light-truck trailers.

Travel trailers do not have their own motor but are designed to be towed by a motor unit, such as an automobile or a light truck.

3363 MOTOR VEHICLE PARTS MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. motor vehicle gasoline engines and engine parts;
2. motor vehicle electrical and electronic equipment;
3. motor vehicle steering and suspension components (except spring);
4. motor vehicle brake systems;
5. motor vehicle transmission and power train parts;
6. motor vehicle seating and interior trimmings;
7. motor vehicle metal stampings; and/or
8. other motor vehicle parts.

33631 MOTOR VEHICLE GASOLINE ENGINE AND ENGINE PARTS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle gasoline engines, and engine parts, whether or not for vehicular use.

33631M MOTOR VEHICLE GASOLINE ENGINE AND ENGINE PARTS MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

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1. 336311 Carburetor, Piston, Piston Ring, and Valve Manufacturing and
 2. 336312 Gasoline Engine and Engine Parts Manufacturing.

336311 Carburetor, Piston, Piston Ring, and Valve Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding carburetors, pistons, piston rings, and engine intake and exhaust valves.

336312 Gasoline Engine and Engine Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding gasoline motor vehicle engines and gasoline motor vehicle engine parts, excluding carburetors, pistons, piston rings, and valves.

33632 MOTOR VEHICLE ELECTRICAL AND ELECTRONIC EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. vehicular lighting and/or
2. manufacturing and/or rebuilding motor vehicle electrical and electronic equipment.

The products made can be used for all types of transportation equipment (i.e., aircraft, automobiles, trains, and ships).

33632M MOTOR VEHICLE ELECTRICAL AND ELECTRONIC EQUIPMENT MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 336321 Vehicular Lighting Equipment Manufacturing and
2. 336322 Other Motor Vehicle Electrical and Electronic Equipment Manufacturing.

336321 Vehicular Lighting Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing vehicular lighting fixtures.

336322 Other Motor Vehicle Electrical and Electronic Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding electrical and electronic equipment for motor vehicles and internal combustion engines.

33633 MOTOR VEHICLE STEERING AND SUSPENSION COMPONENTS (EXCEPT SPRING) MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

336330 MOTOR VEHICLE STEERING AND SUSPENSION COMPONENTS (EXCEPT SPRING) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

33634 MOTOR VEHICLE BRAKE SYSTEM MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

336340 MOTOR VEHICLE BRAKE SYSTEM MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

33635 MOTOR VEHICLE TRANSMISSION AND POWER TRAIN PARTS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

336350 MOTOR VEHICLE TRANSMISSION AND POWER TRAIN PARTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

33636 MOTOR VEHICLE SEATING AND INTERIOR TRIM MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

336360 MOTOR VEHICLE SEATING AND INTERIOR TRIM MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

33637 MOTOR VEHICLE METAL STAMPING

This industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

336370 MOTOR VEHICLE METAL STAMPING

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

33639 OTHER MOTOR VEHICLE PARTS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, and motor vehicle stampings).

336391 MOTOR VEHICLE AIR-CONDITIONING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing air-conditioning systems and compressors for motor vehicles, such as automobiles, trucks, buses, aircraft, farm machinery, construction machinery, and other related vehicles.

336399 ALL OTHER MOTOR VEHICLE PARTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, motor vehicle stampings, and motor vehicle air-conditioning systems and compressors).

3364 AEROSPACE PRODUCT AND PARTS MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

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1. complete aircraft, missiles, or space vehicles;
 2. aerospace engines, propulsion units, auxiliary equipment or parts;
 3. developing and making prototypes of aerospace products;
 4. aircraft conversion (i.e., major modifications to systems); and
 5. complete aircraft or propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

33641 AEROSPACE PRODUCT AND PARTS MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. complete aircraft, missiles, or space vehicles;
2. aerospace engines, propulsion units, auxiliary equipment or parts;
3. developing and making prototypes of aerospace products;
4. aircraft conversion (i.e., major modifications to systems); and
5. complete aircraft or propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

336411 AIRCRAFT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. manufacturing or assembling complete aircraft;
2. developing and making aircraft prototypes;
3. aircraft conversion (i.e., major modifications to systems); and
4. complete aircraft overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

336412 AIRCRAFT ENGINE AND ENGINE PARTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. aircraft engines and engine parts;
2. developing and making prototypes of aircraft engines and engine parts;
3. aircraft propulsion system conversion (i.e., major modifications to systems); and
4. aircraft propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft propulsion system to original design specifications).

336413 OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. aircraft parts or auxiliary equipment (except engines and aircraft fluid power subassemblies) and/or
2. developing and making prototypes of aircraft parts and auxiliary equipment.

Auxiliary equipment includes such items as crop dusting apparatus, armament racks, inflight refueling equipment, and external fuel tanks.

336414 GUIDED MISSILE AND SPACE VEHICLE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. complete guided missiles and space vehicles and/or
2. developing and making prototypes of guided missile or space vehicles.

336415 GUIDED MISSILE AND SPACE VEHICLE PROPULSION UNIT AND PROPULSION UNIT PARTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. guided missile and/or space vehicle propulsion units and propulsion unit parts and/or
2. developing and making prototypes of guided missile and space vehicle propulsion units and propulsion unit parts.

336419 OTHER GUIDED MISSILE AND SPACE VEHICLE PARTS AND AUXILIARY EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. guided missile and space vehicle parts and auxiliary equipment (except guided missile and space vehicle propulsion units and propulsion unit parts) and/or
2. developing and making prototypes of guided missile and space vehicle parts and auxiliary equipment.

3365 RAILROAD ROLLING STOCK MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

33651 RAILROAD ROLLING STOCK MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

336510 RAILROAD ROLLING STOCK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. manufacturing and/or rebuilding locomotives, locomotive frames, and parts;

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2. railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
 3. rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

3366 SHIP AND BOAT BUILDING

This industry group comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

33661 SHIP AND BOAT BUILDING

This industry comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

336611 SHIP BUILDING AND REPAIRING

This U.S. industry comprises establishments primarily engaged in operating a shipyard. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

336612 BOAT BUILDING

This U.S. industry comprises establishments primarily engaged in building boats. Boats are defined as watercraft not built in shipyards and typically of the type suitable or intended for personal use.

3369 OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles and parts, aerospace products and parts, railroad rolling stock, ship building, and boat manufacturing).

33699 OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, metal tricycles, complete military armored vehicles, tanks, self-propelled weapons, vehicles pulled by draft animals, and other transportation equipment (except motor vehicles, boats, ships, railroad rolling stock, and aerospace products), including parts thereof.

336991 MOTORCYCLE, BICYCLE, AND PARTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, tricycles and similar equipment, and parts.

336992 MILITARY ARMORED VEHICLE, TANK, AND TANK COMPONENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing complete military armored vehicles, combat tanks, specialized components for combat tanks, and self-propelled weapons.

336999 ALL OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles, motor vehicle parts, boats, ships, railroad rolling stock, aerospace products, motorcycles, bicycles, and armored vehicles and tanks).

337 FURNITURE AND RELATED PRODUCT MANUFACTURING

Industries in the Furniture and Related Product Manufacturing subsector make furniture and related articles, such as mattresses, window blinds, cabinets, and fixtures. The processes used in the manufacture of furniture include the cutting, bending, molding, laminating, and assembly of such materials as wood, metal, glass, plastics, and rattan. However, the production process for furniture is not solely bending metal, cutting and shaping wood, or extruding and molding plastics. Design and fashion trends play an important part in the production of furniture. The integrated design of the article for both esthetic and functional qualities is also a major part of the process of manufacturing furniture. Design services may be performed by the furniture establishment's work force or may be purchased from industrial designers.

Furniture may be made of any material, but the most common ones used in North America are metal and wood. Furniture manufacturing establishments may specialize in making articles primarily from one material. Some of the equipment required to make a wooden table, for example, is different from that used to make a metal one. However, furniture is usually made from several materials. A wooden table might have metal brackets, and a wooden chair a fabric or plastics seat. Therefore, in the North American Industry Classification System (NAICS), furniture initially is classified based on the type of furniture (application for which it is designed) rather than the material used. For example, an upholstered sofa is treated as household furniture, although it may also be used in hotels or offices.

When classifying furniture according to the component material from which it is made, furniture made from more than one material is classified based on the material used in the frame, or if there is no frame, the predominant component material. Upholstered household furniture (excluding kitchen and dining room chairs with upholstered seats) is classified without regard to the frame material. Kitchen or dining room chairs with upholstered seats are classified according to the frame material.

Furniture may be made on a stock or custom basis and may be shipped assembled or unassembled (i.e., knockdown). The manufacture of furniture parts and frames is included in this subsector.

Some of the processes used in furniture manufacturing are similar to processes that are used in other segments of manufacturing. For example, cutting and assembly occurs in the production of wood trusses that are classified in Subsector 321, Wood Product Manufacturing. However, the multiple processes that distinguish wood furniture manufacturing from wood product manufacturing warrant inclusion of wooden furniture manufacturing in the Furniture and Related Product Manufacturing subsector. Metal furniture manufacturing uses techniques that are also employed in the manufacturing of roll-formed products classified in Subsector 332, Fabricated Metal Product Manufacturing. The molding process for plastics furniture is similar to the molding of other plastics products. However, plastics furniture producing establishments tend to specialize in furniture.

NAICS attempts to keep furniture manufacturing together, but there are two notable exceptions: seating for transportation equipment and laboratory and hospital furniture. These exceptions are related to that fact that some of the aspects of the production process for these products, primarily the design, are highly integrated with that of other manufactured goods, namely motor vehicles and health equipment.

3371 HOUSEHOLD AND INSTITUTIONAL FURNITURE AND KITCHEN CABINET MANUFACTURING

This industry group comprises establishments manufacturing household-type furniture, such as living room, kitchen and bedroom furniture and institutional (i.e., public building) furniture, such as furniture for schools, theaters, and churches.

33711 WOOD KITCHEN CABINET AND COUNTERTOP MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

337110 WOOD KITCHEN CABINET AND COUNTERTOP MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

33712 HOUSEHOLD AND INSTITUTIONAL FURNITURE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing household-type and public building furniture (i.e., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337121 UPHOLSTERED HOUSEHOLD FURNITURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing upholstered household-type furniture. The furniture may be made on a stock or custom basis.

337122 NONUPHOLSTERED WOOD HOUSEHOLD FURNITURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing nonupholstered wood household-type furniture and freestanding cabinets (except television, radio, and sewing machine cabinets). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337127 INSTITUTIONAL FURNITURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing institutional-type furniture (e.g., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

33712N OTHER HOUSEHOLD NONUPHOLSTERED FURNITURE

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industrial Classification System (NAICS) industries:

1. 337124 Metal Household Furniture Manufacturing;
2. 337125 Household Furniture (except Wood and Metal) Manufacturing; and
3. 337129 Wood Television, Radio, and Sewing Machine Cabinet Manufacturing.

337124 Metal Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal household-type furniture and freestanding cabinets. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337125 Household Furniture (except Wood and Metal) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type furniture of materials other than wood or metal, such as plastics, reed, rattan, wicker, and fiberglass. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337129 Wood Television, Radio, and Sewing Machine Cabinet Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood cabinets used as housings by television, stereo, loudspeaker, and sewing machine manufacturers.

3372 OFFICE FURNITURE (INCLUDING FIXTURES) MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing office furniture and/or office and store fixtures. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

33721 OFFICE FURNITURE (INCLUDING FIXTURES) MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing office furniture and/or office and store fixtures. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337212 CUSTOM ARCHITECTURAL WOODWORK AND MILLWORK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing custom designed interiors consisting of architectural woodwork and fixtures utilizing wood, wood products, and plastics laminates. All of the industry output is made to individual order on a job shop basis and requires skilled craftsmen as a labor input. A job might include custom manufacturing of display fixtures, gondolas, wall shelving units, entrance and window architectural detail, sales and reception counters, wall paneling, and matching furniture.

337215 SHOWCASE, PARTITION, SHELVING, AND LOCKER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood and non-wood office and store fixtures, shelving, lockers, frames, partitions, and related fabricated products of wood and nonwood materials, including plastics laminated fixture tops. The products are made on a stock basis and may be assembled or unassembled (i.e., knockdown). Establishments exclusively making furniture parts (e.g., frames) are included in this industry.

33721N OFFICE FURNITURE MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 337211 Wood Office Furniture Manufacturing and
2. 337214 Office Furniture (except Wood) Manufacturing.

337211 Wood Office Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337214 Office Furniture (except Wood) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonwood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

3379 OTHER FURNITURE RELATED PRODUCT MANUFACTURING

This industry group comprises establishments manufacturing furniture related products, such as mattresses, blinds, and shades.

33791 MATTRESS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

337910 MATTRESS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

33792 BLIND AND SHADE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing one or more of the following: venetian blinds, other window blinds, shades; curtain and drapery rods, poles; and/or curtain and drapery fixtures. The blinds and shades may be made on a stock or custom basis and may be made of any material.

337920 BLIND AND SHADE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. venetian blinds, other window blinds, shades;
2. curtain and drapery rods, poles; and/or
3. curtain and drapery fixtures.

The blinds and shades may be made on a stock or custom basis and may be made of any material.

339 MISCELLANEOUS MANUFACTURING

Industries in the Miscellaneous Manufacturing subsector make a wide range of products that cannot readily be classified in specific North American Industrial Classification System (NAICS) subsectors in manufacturing. Processes used by these establishments vary significantly, both among and within industries. For example, a variety of manufacturing processes are used in manufacturing sporting and athletic goods that include products, such as tennis racquets and golf balls. The processes for these products differ from each other, and the processes differ significantly from the fabrication processes used in making dolls or toys, the melting and shaping of precious metals to make jewelry, and the bending, forming, and assembly used in making medical products.

The industries in this subsector are defined by what is made rather than how it is made. Although individual establishments might be appropriately classified elsewhere in the NAICS structure, for historical continuity, these product-based industries were maintained. In most cases, no one process or material predominates for an industry.

Establishments in this subsector manufacture products as diverse as medical equipment and supplies, jewelry, sporting goods, toys, and office supplies.

3391 MEDICAL EQUIPMENT AND SUPPLIES MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing medical equipment and supplies. Examples of products made by these establishments are laboratory apparatus and furniture, surgical and medical instruments, surgical appliances and supplies, dental equipment and supplies, orthodontic goods, dentures, and orthodontic appliances.

33911 MEDICAL EQUIPMENT AND SUPPLIES MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing medical equipment and supplies. Examples of products made by these establishments are laboratory apparatus and furniture, surgical and medical instruments, surgical appliances and supplies, dental equipment and supplies, orthodontic goods, dentures, and orthodontic appliances.

339111 LABORATORY APPARATUS AND FURNITURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing laboratory apparatus and laboratory and hospital furniture (except dental). Examples of products made by these establishments are hospital beds, operating room tables, laboratory balances and scales, furnaces, ovens, centrifuges, cabinets, cases, benches, tables, and stools.

For this industry, the 1997 Economic Census did not fully implement the conversion to the North American Industry Classification System (NAICS). The data from 1997 to 2001 for NAICS industry 339111 did not include establishments primarily engaged in the manufacture of hospital beds and other hospital furniture. These establishments are included in the 2002 Economic Census data.

339112 SURGICAL AND MEDICAL INSTRUMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing medical, surgical, ophthalmic, and veterinary instruments and apparatus (except electrotherapeutic, electro-medical and irradiation apparatus). Examples of products made by these establishments are syringes, hypodermic needles, anesthesia apparatus, blood transfusion equipment, catheters, surgical clamps, and medical thermometers.

339113 SURGICAL APPLIANCE AND SUPPLIES MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing surgical appliances and supplies. Examples of products made by these establishments are orthopedic devices, prosthetic appliances, surgical dressings, crutches, surgical sutures, and personal industrial safety devices (except protective eyewear).

339114 DENTAL EQUIPMENT AND SUPPLIES MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing dental equipment and supplies used by dental laboratories and offices of dentists, such as dental chairs, dental instrument delivery systems, dental hand instruments, and dental impression material and dental cements.

339115 OPHTHALMIC GOODS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing ophthalmic goods. Examples of products made by these establishments are prescription eyeglasses (except manufactured in a retail setting), contact lenses, sunglasses, eyeglass frames, reading glasses made to standard powers, and protective eyewear.

339116 DENTAL LABORATORIES

This U.S. industry comprises establishments primarily engaged in manufacturing dentures, crowns, bridges, and orthodontic appliances customized for individual application.

3399 ALL OTHER MISCELLANEOUS MANUFACTURING ACTIVITIES NOT IDENTIFIED IN SUBSECTOR 339, MISCELLANEOUS MANUFACTURING

This industry group comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. jewelry and silverware;
2. sporting and athletic goods;

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3. doll, toy, and game;
 4. office supplies (except paper);
 5. signs; and/or
 6. all other miscellaneous.

33991 JEWELRY AND SILVERWARE MANUFACTURING

This industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. engraving, chasing, or etching jewelry;
2. metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases);
3. engraving, chasing, or etching precious metal solid, precious metal clad, or pewter cutlery and flatware;
4. engraving, chasing, or etching personal metal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases);
5. stamping coins;
6. unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing;
7. cutting, slabbing, tumbling, carving, engraving, polishing, or faceting precious or semiprecious stones and gems;
8. recutting, repolishing, and setting gem stones; and
9. drilling, sawing, and peeling cultured and costume pearls.

33991M JEWELRY AND SILVERWARE MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 339911 Jewelry (except Costume) Manufacturing;
2. 339912 Silverware and Hollowware Manufacturing;
3. 339913 Jewelers' Material and Lapidary Work Manufacturing; and
4. 339914 Costume Jewelry and Novelty Manufacturing.

339911 Jewelry (except Costume) Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. manufacturing, engraving, chasing, or etching precious metal solid or precious metal clad jewelry;
2. manufacturing, engraving, chasing, or etching personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases) made of precious solid or clad metal; and
3. stamping coins.

339912 Silverware and Hollowware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter flatware and other hollowware.

339913 Jewelers' Material and Lapidary Work Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing;
2. cutting, slabbing, tumbling, carving, engraving, polishing, or faceting precious or semiprecious stones and gems;
3. recutting, repolishing, and setting gem stones; and
4. drilling, sawing, and peeling cultured pearls.

339914 Costume Jewelry and Novelty Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following manufacturing activities:

1. manufacturing, engraving, chasing, and etching costume jewelry; and/or
2. manufacturing, engraving, chasing, or etching nonprecious metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases).

This industry includes establishments primarily engaged in manufacturing precious plated jewelry and precious plated personal goods.

33992 SPORTING AND ATHLETIC GOODS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

339920 SPORTING AND ATHLETIC GOODS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

33993 DOLL, TOY, AND GAME MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing dolls, toys, and games, such as complete dolls, doll parts, doll clothes, action figures, toys, games (including electronic), hobby kits, and children's vehicles (except metal bicycles and tricycles).

33993M DOLL, TOY, AND GAME MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 339931 Doll and Stuffed Toy Manufacturing and
2. 339932 Game, Toy, and Children's Vehicle Manufacturing.

339931 Doll and Stuffed Toy Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing complete dolls, doll parts, and doll clothes; action figures; and stuffed toys.

339932 Game, Toy, and Children's Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing games (including electronic), toys, and children's vehicles (except bicycles and metal tricycles).

33994 OFFICE SUPPLIES (EXCEPT PAPER) MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing office supplies. Examples of products made by these establishments are pens, pencils, felt tip markers, crayons, chalk, pencil sharpeners, staplers, hand operated stamps, modeling clay, and inked ribbons.

33994M OFFICE SUPPLIES (EXCEPT PAPER) MANUFACTURING

This Annual Survey of Manufactures (ASM) rollup industry comprises establishments primarily engaged in the following North American Industry Classification System (NAICS) U.S. industries:

1. 339941 Pen and Mechanical Pencil Manufacturing;
2. 339942 Lead Pencil and Art Good Manufacturing;
3. 339943 Marking Device Manufacturing; and
4. 339944 Carbon Paper and Inked Ribbon Manufacturing.

339941 Pen and Mechanical Pencil Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing pens, ballpoint pen refills and cartridges, mechanical pencils, and felt tipped markers.

339942 Lead Pencil and Art Good Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonmechanical pencils and art goods. Examples of products made by these establishments are pencil leads, crayons, chalk, framed blackboards, pencil sharpeners, staplers, artists' palettes and paints, and modeling clay.

339943 Marking Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing marking devices, such as hand operated stamps, embossing stamps, stamp pads, and stencils.

339944 Carbon Paper and Inked Ribbon Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon paper and inked ribbons.

33995 SIGN MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, and displays).

339950 SIGN MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, and displays).

33999 ALL OTHER MISCELLANEOUS MANUFACTURING

This industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), and signs).

339991 GASKET, PACKING, AND SEALING DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing gaskets, packing, and sealing devices of all materials.

339992 MUSICAL INSTRUMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing musical instruments (except toys).

339993 FASTENER, BUTTON, NEEDLE, AND PIN MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing fasteners, buttons, needles, pins, and buckles (except precious metals or precious and semiprecious stones and gems).

339994 BROOM, BRUSH, AND MOP MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing brooms, mops, and brushes.

339995 BURIAL CASKET MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing burial caskets, cases, and vaults (except concrete).

339999 ALL OTHER MISCELLANEOUS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), musical instruments, fasteners, buttons, needles, pins, brooms, brushes, mops, and burial caskets).

Appendix C.

Methodology

SOURCES OF THE DATA

The Annual Survey of Manufactures (ASM) is a sample survey of approximately 50,000 establishments. A new sample is selected at 5-year intervals beginning the second survey year subsequent to the Economic Census — Manufacturing. Since 2004 is the second survey year following the 2002 Economic Census, a new sample is selected based on the 2002 Economic Census — Manufacturing.

In 2002, there were approximately 346,000 active manufacturing establishments. For sample efficiency and cost considerations, the 2002 manufacturing population is partitioned into two groups: (1) establishments eligible to be mailed a questionnaire and (2) establishments not eligible to be mailed a questionnaire. The following is a description of the 2004 ASM sample design:

1. Establishments that are eligible to be sent a report form:

This is defined as the mail stratum. It is comprised of larger single-location manufacturing companies and all manufacturing establishments of multi-location companies. The mail stratum is comprised of approximately 128,000 establishments. On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multi-location companies identified from the Census Bureau's Company Organization Survey (COS).

The 2004–2008 ASM sample design differs from the 1999–2003 sample design. For most economic surveys, a number of units are included in the sample with certainty; i.e. their probability of selection for the survey is 1.00. Remaining units are generally assigned a probability that is consistent with their relative importance in the industry or other key aggregations. For the 2004 ASM, both the “certainty” criteria and the methodology for deriving the probabilities of selection are revised. The ASM is an establishment-based survey; the establishment serves as both the sample unit and the collection unit. Establishments in the 2002 Economic Census — Manufacturing that satisfied any of the following criteria are included in the sample with certainty: (1) the total employment for the establishment for 2002 is greater than or equal to 1,000; (2) the establishment is identified as one of the 10 largest establishments within the industry (employment); (3) the establishment is classified within an industry with fewer than 20 establishments; (4) the establishment is classified in the computer or flat-glass industry, or (5) the establishment is located within a State where there are fewer than 20 additional establishments in the same North American Industry Classification System (NAICS) group (NAICS group is defined as the set of NAICS industries that have the same first four digits). Collectively, there are approximately 9,700 establishments that are selected with certainty. These establishments accounted for approximately 44 percent of the total value of shipments in the 2002 Economic Census — Manufacturing.

Smaller establishments in the remaining portion of the mail stratum are sampled with probabilities ranging from .05 to 1.00. Each of the 473 industries and 1,450 product classes are considered to be a separate population. Using variable reliability constraints, each establishment within a given population is assigned an initial probability of selection that reflected its relative importance within the population. Establishments producing products in multiple product classes received multiple initial probabilities. The final probability of selection for a specific establishment is defined as the largest of their initial probabilities.

This method of assigning probabilities is motivated by the Census Bureau's primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that

these variables will also be well represented. For sample selection purposes, each establishment is assigned to an industry stratum. Within each of the 473 industry strata, an independent sample is selected using the final probability of selection associated with the establishments classified within the stratum. A fixed-sample size methodology is used to assure that the desired sample size is realized.

2. Establishments not eligible to be sent a report form:

- a. This is defined as the nonmail stratum. The nonmail stratum consists of small and medium-sized, single-establishment companies from the Economic Census — Manufacturing. The initial nonmail stratum of the 2004 sample contained approximately 218,000 single-establishment companies from the 2002 Economic Census — Manufacturing. This is significantly higher than previous cycles of the survey and is motivated by the desire to reduce the reporting burden on this segment of the universe.

The nonmail stratum is supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS). Data for establishments included in the nonmail stratum are estimated using information obtained from the administrative records of the IRS and Social Security Administration (SSA), and are included in the published ASM estimates. This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions which safeguard the confidentiality of both tax and census records.

- b. All nonemployers, i.e., all firms subject to federal income tax, with no paid employees during 2004, are excluded as in previous ASM. Data for nonemployers are not included in this report, but are released in the annual *Nonemployer Statistics* series.

The report forms, frequently asked questions, and instructions used to collect information from establishments in the ASM are available at <http://help.econ.census.gov/BHS/ASM/index.html>.

The ASM reports to review online are available at <http://www.census.gov/mcd/asmhome.html>.

ESTABLISHMENT BASIS OF REPORTING

The Annual Survey of Manufactures (ASM) is conducted on an establishment basis. Reports are filed for those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports, if the plant records permit such a separation and if the activities are substantial in size. Estimates are based on the reports from a representative sample of manufacturing establishments. These estimates represent the portion of the manufacturing population accounted for by establishments with paid employees. Nonemployers are defined as out-of-scope of the ASM. The tables provide estimates for employment, plant hours, payrolls, value added by manufacture, capital expenditures, cost of materials, inventories, value of industry shipments, and fuels and electric energy consumed for most manufacturing industries.

The ASM excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company. These data are published in a separate report series.

RELIABILITY OF DATA

All estimates produced in the Annual Survey of Manufactures (ASM) are subject to both sampling and nonsampling errors. Sampling error is inherent to all sample surveys and reflects the natural variability in the estimates that occurs because data are only collected from a subset of the population. The estimates are also subject to various types of nonsampling error. Examples of nonsampling error include measurement error and processing error. Nonsampling error is inherent to all surveys; including complete censuses.

1. Estimating Procedure. Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding historical data values. At each level of

aggregation, an estimate of the difference between the current reference period and the base reference period is computed for each item from the sample and added to the corresponding base-year values. This difference can be positive or negative. For the 2003–2006 ASM estimates, the 2002 Economic Census — Manufacturing values serve as the base year.

Due to these positive year-to-year correlations, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll are directly tabulated from the administrative-record data provided by the Internal Revenue Service (IRS) and the Social Security Administration (SSA). Estimates of the other data variables are developed from industry averages. Although the nonmail stratum contained approximately 207,000 individual establishments in 2004, it accounted for less than 7 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

2. **Data Qualifications.** The estimates developed from the sample are likely to differ from the results of a complete canvassing of all eligible establishments in the population. The particular sample selected for the ASM is one of many probability samples that could have been selected under identical circumstances. Each of the possible samples would yield a slightly different set of results. The derived standard errors are measures of the variation of all the possible sample estimates around the true population statistic. Estimates with low standard errors are generally felt to be more accurate than those associated with high standard errors.

Estimates of the standard errors are computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard error divided by the corresponding estimate).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

- From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
- From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
- From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors are detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors are detected too late to correct the estimates, the data are suppressed or are specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The Annual Survey of Manufactures (ASM) shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (resales, contract receipts, repair work, etc.). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

DISCLOSURE

In accordance with federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments in a specific industry or geographic area is not considered a disclosure; therefore, this information may be released even though other information is withheld. Techniques employed to limit disclosure are discussed at www.census.gov/epcd/ec02/disclosure.htm.

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. Nonetheless, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures, which can be suppressed even though value of shipments data are published.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan and Micropolitan Statistical Areas

Not applicable for this report.

Appendix F. Comparability of NAICS Codes and NAICS-based Codes

NAICS code	NAICS-based code						
31111	31111	31214	31214	31699	31699	32518	32518
311111	311111	312140	312140	316991	31699M	325181	325181
311119	311119			316992	31699M	325182	325182
		31221	31221	316993	31699M	325188	325188
31121	31121	312210	312210	316999	31699M		
311211	31121M					32519	32519
311212	31121M	31222	31222	32111	32111	325191	32519M
311213	31121M	312221	31222M	321113	32111M	325192	32519M
		312229	31222M	321114	32111M	325193	32519M
31122	31122					325199	32519M
311221	311221	31311	31311	32121	32121		
311222	31122N	313111	31311M	321211	32121N	32521	32521
311223	31122N	313112	31311M	321212	32121N	325211	32521M
311225	311225	313113	31311M	321213	32121P	325212	32521M
				321214	32121P		
31123	31123	31321	31321	321219	321219	32522	32522
311230	311230					325221	32522M
		31322	31322	32191	32191	325222	32522M
31131	31131	313221	31322M	321911	32191M		
311311	31131N	313222	31322M	321912	32191M	32531	32531
311312	31131N			321918	32191M	325311	32531M
311313	311313	31323	31323			325312	32531M
		313230	313230	32192	32192	325314	32531M
31132	31132			321920	321920		
311320	311320	31324	31324			32532	32532
		313241	31324M	32199	32199	325320	325320
31133	31133	313249	31324M	321991	321991		
311330	311330			321992	321992	32541	32541
		31331	31331	321999	321999	325411	32541M
31134	31134	313311	31331M			325412	32541M
311340	311340	313312	31331M	32211	32211	325413	32541M
				322110	322110	325414	32541M
31141	31141	31332	31332				
311411	31141M	313320	313320	32212	32212	32551	32551
311412	31141M			322121	32212M	325510	325510
		31411	31411	322122	32212M		
31142	31142	314110	314110				
311421	31142M			32213	32213	32552	32552
311422	31142M	31412	31412	322130	322130	325520	325520
311423	31142M	314121	31412M				
		314129	31412M	32221	32221	32561	32561
31151	31151			322211	32221M	325611	32561M
311511	31151N	31491	31491	322212	32221M	325612	32561M
311512	31151N	314911	31491M	322213	32221M	325613	32561M
311513	311513	314912	31491M	322214	32221M		
311514	311514			322215	32221M	32562	32562
		31499	31499			325620	325620
31152	31152	314991	314991	32222	32222		
311520	311520	314992	314992	322221	32222N	32591	32591
		314999	314999	322222	32222N	325910	325910
31161	31161			322223	32222P		
311611	31161N	31511	31511	322224	32222P	32592	32592
311612	31161N	315111	31511M	322225	32222P		
311613	31161N	315119	31511M	322226	32222P	32599	32599
311615	311615					325991	32599M
		31519	31519	32223	32223	325992	32599M
31171	31171	315191	31519M	322231	32223M	325998	32599M
311711	31171M	315192	31519M	322232	32223M		
311712	31171M			322233	32223M		
		31521	31521			32611	32611
31181	31181	315211	31521M	32229	32229	326111	32611M
311811	31181M	315212	31521M	322291	322291	326112	32611M
311812	31181M			322299	322299	326113	32611M
311813	31181M						
		31522	31522			32612	32612
31182	31182	315221	31522M	32311	32311	326121	32612M
311821	31182M	315222	31522M	323110	32311M	326122	32612M
311822	31182M	315223	31522M	323111	32311M		
311823	31182M	315224	31522M	323112	32311M		
		315225	31522M	323113	32311M	32613	32613
31183	31183	315228	31522M	323114	32311M	326130	326130
311830	311830			323115	32311M		
		31523	31523	323116	32311M	32614	32614
31191	31191	315231	31523M	323117	32311M	326140	326140
311911	31191M	315232	31523M	323118	32311M		
311919	31191M	315233	31523M	323119	32311M	32615	32615
		315234	31523M			326150	326150
31192	31192	315239	31523M	32312	32312		
311920	311920			323121	32312M	32616	32616
				323122	32312M	326160	326160
31193	31193	31529	31529				
311930	311930	315291	31529M	32411	32411	32619	32619
		315292	31529M	324110	324110	326191	32619M
31194	31194	315299	31529M			326192	32619M
311941	31194M			32412	32412	326199	32619M
311942	31194M	31599	31599	324121	324121		
		315991	31599M	324122	324122	32621	32621M
31199	31199	315992	31599M			326211	32621M
311991	31199M	315993	31599M	32419	32419	326212	32621M
311999	31199M	315999	31599M	324191	324191		
				324199	324199	32622	32622
31211	31211	31611	31611			326220	326220
312111	31211M	316110	316110	32511	32511		
312112	31211M			325110	325110	32629	32629M
312113	31211M					326291	32629M
		31621	31621			326299	32629M
31212	31212	316211	31621M	32512	32512		
312120	312120	316212	31621M	325120	325120		
		316213	31621M			32711	32711
31213	31213	316214	31621M	32513	32513	327111	32711M
312130	312130	316219	31621M	325131	32513M	327112	32711M
				325132	32513M	327113	32711M

NAICS code	NAICS-based code						
32712	32712	33241	33241	33392	33392	33612	33612
327121	327121	332410	332410	333921	33392M	336120	336120
327122	327122			333922	33392M	33621	33621
327123	327123	33242	33242	333923	33392M	336211	336211
327124	32712N	332420	332420	333924	33392M	336212	336212
327125	32712N					336213	336213
						336214	336214
32721	32721	33243	33243	33399	33399		
327211	327211	332431	33243M	333991	33399P	33631	33631
327212	327212	332439	33243M	333992	33399P	336311	33631M
327213	327213			333993	333993	336312	33631M
327215	327215	33251	33251	333994	33399N		
		332510	332510	333995	33399N	33632	33632
				333996	33399N	336321	33632M
32731	32731			333997	33399P	336322	33632M
327310	327310	33261	33261	333999	33399P		
		332611	33261M			33633	33633
		332612	33261M			336330	336330
		332618	33261M				
32732	32732			33411	33411	33634	33634
327320	327320			334111	334111	336340	336340
				334112	334112		
32733	32733	33271	33271	334113	334113		
327331	32733M	332710	332710	334119	334119	33635	33635
327332	32733M					336350	336350
32739	32739	33272	33272	33421	33421	33636	33636
327390	327390	332721	332721	334210	334210	336360	336360
		332722	332722				
32741	32741	33281	33281	33422	33422	33637	33637
327410	327410	332811	33281M	334220	334220	336370	336370
		332812	33281M				
32742	32742	332813	33281M	33429	33429	33639	33639
327420	327420			334290	334290	336391	336391
						336399	336399
32791	32791	33291	33291			33641	33641
327910	327910	332911	33291M	33431	33431	336411	336411
		332912	33291M	334310	334310	336412	336412
		332913	33291M			336413	336413
		332919	33291M			336414	336414
32799	32799			33441	33441	336415	336415
327991	327991			334411	334411	336419	336419
327992	327992	33299	33299	334412	334412		
327993	327993	332991	332991	334413	334413		
327999	327999	332992	332992	334414	334414		
		332993	332993	334415	334415		
33111	33111	332994	332994	334416	334416	33651	33651
331111	33111M	332995	332995	334417	334417	336510	336510
331112	33111M	332996	332996	334418	334418		
		332997	332997	334419	334419	33661	33661
33121	33121	332998	332998			336611	336611
331210	331210	332999	332999			336612	336612
33122	33122			33451	33451	33699	33699
331221	33122M			334510	334510	336991	336991
331222	33122M	33311	33311	334511	334511	336992	336992
		333111	333111	334512	334512	336999	336999
		333112	333112	334513	334513		
				334514	334514	33711	33711
33131	33131			334515	334515	337110	337110
331311	331311	33312	33312	334516	334516		
331312	331312	333120	333120	334517	334517	33712	33712
331314	331314			334518	334518	337121	337121
331315	33131M	33313	33313	334519	334519	337122	337122
331316	33131M	333131	33313M			337123	337123
331319	33131M	333132	33313M			337124	337124
						337125	337125
						337127	337127
						337129	337129
33141	33141	33321	33321	33461	33461		
331411	331411	333210	333210	334611	334611	33721	33721
331419	331419			334612	334612	337211	337211
				334613	334613	337212	337212
						337214	337214
33142	33142			33511	33511	337215	337215
331421	33142M			335110	335110		
331422	33142M	33329	33329				
331423	33142M	333291	33329M	33512	33512		
		333292	33329M	33512M	33512M	33791	33791
		333293	33329M	335122	335122		
33149	33149	333294	33329M	335129	335129		
331491	33149M	333295	33329M			33792	33792
331492	33149M	333298	33329M			337920	337920
33151	33151			33521	33521	33911	33911
331511	33151M	33331	33331	335211	33521M	339111	339111
331512	33151M	333311	33331M	335212	33521M	339112	339112
331513	33151M	333312	33331M			339113	339113
		333313	33331M	33522	33522	339114	339114
33152	33152	333313	33331M	335221	335221	339115	339115
331521	33152M	333314	33331M	335222	335222	339116	339116
331522	33152P	333315	33331M	335224	335224		
331524	33152P	333319	33331M	335228	335228	33991	33991
331525	33152P					339911	33991M
331528	33152P	33341	33341	33531	33531	339912	33991M
		333411	33341M	335311	335311	339913	33991M
		333412	33341M	335312	335312	339914	33991M
33211	33211	333414	33341M	335313	335313		
332111	33211N	333415	33341M	335314	335314	33992	33992
332112	33211N					339920	339920
332114	332114						
332115	33211P	33351	33351				
332116	33211P	333511	33351M	33591	33591	33993	33993
332117	332117	333512	33351M	335911	335911	339931	33993M
		333513	33351M	335912	335912	339932	33993M
		333514	33351M				
33221	33221	333515	33351M	33592	33592	33994	33994
332211	33221N	333516	33351M	335921	33592M	339941	33994M
332212	33221P	333518	33351M	335929	33592M	339942	33994M
332213	33221P					339943	33994M
332214	33221N					339944	33994M
33231	33231	33361	33361	33593	33593	33995	33995
332311	33231M	333611	33361M	335931	33593M	339950	339950
332312	33231M	333612	33361M				
332313	33231M	333613	33361M	33599	33599	33999	33999
		333618	33361M	335991	335991	339991	339991
				335999	335999	339992	339992
33232	33232					339993	339993
332321	33232M	33391	33391			339994	339994
332322	33232M	333911	33391M	33611	33611	339995	339995
332323	33232M	333912	33391M	336111	336111	339999	339999
		333913	33391M	336112	336112		

M05(AS)-1

2005

Statistics for Industry Groups and Industries Annual Survey of Manufactures

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