Tennessee: 2002

Issued September 2005

EC02-31A-TN (RV)

2002 Economic Census

Manufacturing

Geographic Area Series

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

David A. Sampson,
Deputy Secretary

Economics and Statistics Administration
Kathleen B. Cooper,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Charles Louis Kincannon,
Director

ECONOMICS
AND STATISTICS
ADMINISTRATION

Economics and Statistics Administration

Kathleen B. Cooper,
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

Thomas L. Mesenbourg,
Acting Assistant Director
for Economic Programs

William G. Bostic, Jr.,
Chief, Manufacturing
and Construction Division

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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in "2" and "7."

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the federal government use the data to monitor economic activity and to assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

INDUSTRY CLASSIFICATIONS

Data from the 2002 Economic Census are published primarily according to the 2002 North American Industry Classification System (NAICS). NAICS was first adopted in the United States, Canada, and Mexico in 1997. The 2002 Economic Census covers the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information
52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Food Services
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), largely covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 100 subsectors (three-digit codes), 317 industry groups (four-digit codes), and, as implemented in the United States, 1,179 industries (six-digit codes).

RELATIONSHIP TO HISTORICAL INDUSTRY CLASSIFICATIONS

Prior to the 1997 Economic Census, data were published according to the Standard Industrial Classification (SIC) system. While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The 1997 Economic Census *Bridge Between NAICS and SIC* demonstrates the relationships between NAICS and SIC industries. Where changes are significant, it may not be possible to construct time series that include data for points both before and after 1997.

Most industry classifications remained unchanged between 1997 and 2002, but NAICS 2002 includes substantial revisions within the construction and wholesale trade sectors, and a number of revisions for the retail trade and information sectors. These changes are noted in industry definitions and will be demonstrated in the *Bridge Between NAICS 2002 and NAICS 1997*.

For 2002, data for enterprise support establishments (those functioning primarily to support the activities of their company's operating establishments, such as a warehouse or a research and development laboratory) are included in the industry that reflects their activities (such as warehousing). For 1997, such establishments were termed auxiliaries and were excluded from industry totals.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company. (For selected industries, only payroll, employment, and classification are collected for individual establishments, while other data are collected on a consolidated basis.)

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for states, metropolitan and micropolitan statistical areas, counties, and corporate municipalities (places) including cities, towns, townships, villages, and boroughs. Respondents were required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from administrative sources is used as a basis for coding.

AVAILABILITY OF ADDITIONAL DATA

All results of the 2002 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on digital versatile discs (DVD-ROMs) for sale by the Census Bureau. The American FactFinder system at the Internet site allows selective retrieval and downloading of the data. For more information, including a description of reports being issued, see the Internet site, write to the U.S. Census Bureau, Washington, DC 20233-6100, or call Customer Services at 301-763-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart

from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some service trades in 1933. Censuses of construction, manufacturing, and the other business censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated, providing comparable census data across economic sectors and using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census report forms.

The range of industries covered in the economic census expanded between 1967 and 2002. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity. New for 2002 is coverage of four industries classified in the agriculture, forestry, and fishing sector under the SIC system: landscape architectural services, landscaping services, veterinary services, and pet care services.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. Reports for 1997 were published primarily on the Internet and copies of 1992 reports are also available there. CD-ROMs issued from the 1987, 1992, and 1997 Economic Censuses contain databases that include all or nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for the 2002 Economic Census and related surveys is published in the *Guide to the 2002 Economic Census* at www.census.gov/econ/census02/guide. More information on the methodology, procedures, and history of the census will be published in the *History of the 2002 Economic Census* at www.census.gov/econ/www/history.html.

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Manufacturing

SCOPE

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.

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 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

U.S. Census Bureau, 2002 Economic Census

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 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.

The reports described below cover all manufacturing establishments with one or more paid employees.

Definitions. Industry categories are defined in Appendix B, NAICS Codes, Titles, and Descriptions. Other terms are defined in Appendix A, Explanation of Terms.

REPORTS

The following reports provide statistics on this sector:

Industry Series. There are 473 reports, each covering a single NAICS industry (six-digit code). These reports include such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, capital expenditures, etc. The industry reports also include data for states with 100 employees or more in the industry. The data in industry reports are preliminary and subject to change in the following reports.

Geographic Area Series. There are 51 separate reports, one for each state and the District of Columbia. Each state report presents similar statistics at the "all manufacturing" level for each state and its metropolitan and micropolitan areas with 250 employees or more, and for counties, consolidated cities, and places with 500 employees or more. The state reports also include six-digit NAICS level data for industries with 100 employees or more in the state.

Subject Series:

- **Industry-Product Analysis Summary.** This report presents value of shipments, value of product shipments, percentage of product shipments of the total value of shipments, and percentage of distribution of value of product shipments on the NAICS six-digit industry level and by the six- and seven-digit product code levels. It also includes miscellaneous receipts at the six- and seven-digit product code levels by NAICS six-digit industry levels.
- **General Summary.** This report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports, as well as revisions to the data made after the release of the industry and state reports.
- **Product Summary.** This report summarizes the products data published in the industry reports. This report also includes a table with data for products that are primary to more than one industry, which are not in the industry reports.
- **Materials Summary.** This report summarizes the materials data published in the industry reports.
- **Concentration Ratio Summary.** This report publishes data on the percentage of value of shipments and value added accounted for by the 4-, 8-, 20-, and 50-largest companies for each manufacturing industry. Also shown in this report are Herfindahl-Herschmann indexes for each industry.
- **Location of Manufacturing Plants Summary.** This report contains statistics on the number of establishments for the three-and six-digit NAICS industry by state, county, place, and ZIP Code by employment-size of the establishment.

ZIP Code Statistics. This report contain statistics on the number of establishments for the three- and six-digit NAICS industry by employment-size of the establishment by ZIP Code.

Other reports. Data for this sector are also included in 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

The level of geographic detail varies by report. Maps are available at www.census.gov/econ2002maps. Notes specific to areas in the state are included in Appendix D, Geographic Notes.

1. The United States as a whole.
2. States and the District of Columbia.
3. Metropolitan and micropolitan statistical areas with 250 employees or more. A core based statistical areas (CBSA) contains a core area with a substantial population nucleus, together with adjacent communities having a high degree of social and economic integration with that core. CBSAs are differentiated into metropolitan and micropolitan statistical areas based on size criteria. Both metropolitan and micropolitan areas are defined in terms of entire counties, and are listed in Appendix E, Metropolitan and Micropolitan Statistical Areas.
   a. Metropolitan Statistical Areas (metro areas). Metro areas have at least one urbanized area of 50,000 or more population, plus adjacent territory that has a high degree of social and economic integration with the core as measured by commuting ties.
   b. Micropolitan Statistical Areas (micro areas). Micro areas have at least one urban cluster of at least 10,000 but less than 50,000 population, plus adjacent territory that has a high degree of social and economic integration with the core as measured by commuting ties.
   c. Metropolitan Divisions (metro divisions). If specified criteria are met, a metro area containing a single core with a population of 2.5 million or more may be subdivided to form smaller groupings of counties referred to as Metropolitan Divisions.

d. Combined Statistical Areas (combined areas). If specified criteria are met, adjacent metro and micro areas, in various combinations, may become the components of a new set of areas called Combined Statistical Areas. The areas that combine retain their own designations as metro or micro areas within the larger combined area.

4. Counties and county equivalents defined as of January 1, 2002, with 500 employees or more. Counties are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs, census areas, and city and boroughs. Maryland, Missouri, Nevada, and Virginia have one place or more that is independent of any county organization and constitutes primary divisions of their states. These places are treated as counties and as places.

5. Economic places with 500 employees or more.

   a. Municipalities of 2,500 inhabitants or more defined as of January 1, 2002. These are areas of significant population incorporated as cities, boroughs, villages, or towns according to the 2000 Census of Population. For the economic census, boroughs and census areas in Alaska and boroughs in New York are not included in this category.

   b. Consolidated cities defined as of January 1, 2002. Consolidated cities are consolidated governments that consist of separately incorporated municipalities.

   c. Townships in Michigan, New Jersey, and Pennsylvania, and towns in New York, Wisconsin, and the six New England states with 10,000 inhabitants or more (according to the 2000 Census of Population).

   d. Balance of county. Areas outside the entities listed above, including incorporated municipalities with populations of fewer than 2,500, town and townships not qualifying as noted above, and the remainders of counties outside places are categorized as "Balance of county."

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 2002 data are expressed in 2002 dollars, and 1997 data, in 1997 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 1997 AND 2002 ECONOMIC CENSUSES

Both the 2002 Economic Census and the 1997 Economic Census present data based on the North American Industry Classification System (NAICS). While there were revisions to selected industries for 2002, this sector is not affected by those revisions.

For 2002, there have been several additional data tables added, which did not exist in 1997. These tables for 2002 include products primary to more than one industry, industry-product analysis, e-commerce value of shipments, and leased and nonleased detail employment statistics by subsectors.

RELIABILITY OF DATA

All data compiled for this sector are subject to 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. Selected data in tables titled "Detailed Statistics" are based on the Annual Survey of Manufactures and are subject to sampling errors as well as nonsampling errors.

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 Census Bureau conducts the Annual Survey of Manufactures (ASM) in each of the 4 years between the economic censuses. 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. 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 substate geographic data. In addition to the ASM, 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 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
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue
N	Not available or not comparable
S	Withheld because estimates did not meet publication standards
X	Not applicable
Z	Less than half the unit shown
a	0 to 19 employees
b	20 to 99 employees
c	100 to 249 employees

e	250 to 499 employees
f	500 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
p	10 to 19 percent estimated
q	20 to 29 percent estimated
r	Revised
s	Sampling error exceeds 40 percent
nsk	Not specified by kind
–	Represents zero (page image/print only)
(CC)	Consolidated city
(IC)	Independent city

Table 1. **Industry Statistics for the State: 2002**

[Includes data for industry groups and industries with 100 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	TENNESSEE												
31-33	Manufacturing	–	6 948	r2 547	r411 495	r14 824 828	r310 738	r616 290	r9 612 293	r49 811 004	r59 640 864	r109 293 454	r4 526 574
311	Food manufacturing	–	370	151	39 831	1 311 337	28 417	56 862	818 988	6 577 070	5 430 884	12 052 760	414 664
3111	Animal food manufacturing	2	25	14	f	D	D	D	D	D	D	D	12 983
31111	Animal food manufacturing	2	25	14	f	D	D	D	D	D	D	D	12 983
311111	Dog and cat food manufacturing	4	5	5	e	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing	–	20	9	464	13 987	319	644	8 703	146 125	131 906	277 880	D
3112	Grain and oilseed milling	–	17	14	2 417	115 828	1 775	4 103	78 906	804 058	1 118 788	1 940 469	35 528
31121	Flour milling and malt manufacturing	–	7	5	e	D	D	D	D	D	D	D	D
311211	Flour milling	–	7	5	e	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing	–	8	7	1 364	66 416	967	2 183	42 650	406 223	814 164	1 238 110	24 730
311221	Wet corn milling	–	2	2	f	D	D	D	D	D	D	D	D
311222	Soybean processing	–	2	1	e	D	D	D	D	D	D	D	D
311225	Fats and oils refining and blending	–	4	4	463	21 023	335	723	13 081	79 681	360 157	450 427	3 763
31123	Breakfast cereal manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	–	36	11	3 898	155 734	2 947	5 712	103 997	1 043 396	516 322	1 566 486	53 978
31132	Chocolate and confectionery manufacturing from cacao beans	–	3	2	c	D	D	D	D	D	D	D	D
311320	Chocolate and confectionery manufacturing from cacao beans	–	3	2	c	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	–	19	4	g	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate	–	19	4	g	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing	–	14	5	1 655	72 217	1 053	1 959	35 068	305 656	177 909	486 653	D
311340	Nonchocolate confectionery manufacturing	–	14	5	1 655	72 217	1 053	1 959	35 068	305 656	177 909	486 653	D
3114	Fruit and vegetable preserving and specialty food manufacturing	1	26	13	3 391	133 124	2 833	5 861	102 480	923 730	650 785	1 573 627	86 610
31141	Frozen food manufacturing	–	9	7	2 211	84 359	1 921	3 807	68 510	432 235	314 007	745 268	52 414
311411	Frozen fruit, juice, and vegetable manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	–	8	6	g	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	3	17	6	1 180	48 765	912	2 054	33 970	491 495	336 778	828 359	34 196
311421	Fruit and vegetable canning	6	13	4	f	D	D	D	D	D	D	D	D
311422	Specialty canning	–	1	1	e	D	D	D	D	D	D	D	D
311423	Dried and dehydrated food manufacturing	–	3	1	c	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	1	20	13	2 077	80 757	1 134	2 399	39 041	436 417	525 718	966 263	D
31151	Dairy product (except frozen) manufacturing	2	16	10	1 397	51 974	758	1 675	26 210	175 389	397 744	573 878	D
311511	Fluid milk manufacturing	1	9	7	1 157	44 138	575	1 292	21 039	153 917	307 920	461 642	9 749
311513	Cheese manufacturing	9	3	2	c	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	–	4	3	680	28 783	376	724	12 831	261 028	127 974	392 385	4 424
311520	Ice cream and frozen dessert manufacturing	–	4	3	680	28 783	376	724	12 831	261 028	127 974	392 385	4 424
3116	Animal slaughtering and processing	1	71	30	10 483	248 594	8 842	18 670	187 998	785 325	1 158 468	1 941 242	49 231
31161	Animal slaughtering and processing	1	71	30	10 483	248 594	8 842	18 670	187 998	785 325	1 158 468	1 941 242	49 231
311611	Animal (except poultry) slaughtering	–	38	11	1 500	43 942	1 201	2 500	31 720	229 303	238 542	464 868	14 159
311612	Meat processed from carcasses	–	19	9	2 436	62 731	2 027	4 506	45 671	136 956	426 003	560 954	12 490
311613	Rendering and meat byproduct processing	–	5	2	124	4 714	51	104	1 684	39 988	26 736	68 148	1 527
311615	Poultry processing	2	9	8	6 423	137 207	5 563	11 560	108 923	379 078	467 187	847 272	21 055
3118	Bakeries and tortilla manufacturing	–	118	36	13 487	435 932	7 712	13 942	206 822	1 222 306	788 719	2 014 142	110 483
31181	Bread and bakery product manufacturing	–	106	27	11 840	384 714	6 339	11 351	167 037	991 549	642 418	1 636 191	96 284
311811	Retail bakeries	4	66	4	412	6 203	262	351	3 567	11 235	5 649	16 900	306
311812	Commercial bakeries	–	35	20	11 035	367 880	5 830	10 417	157 459	921 822	596 637	1 518 689	94 099
311813	Frozen cakes, pies, and other pastries manufacturing	–	5	3	393	10 631	247	583	6 011	58 492	40 132	100 602	1 879
31182	Cookie, cracker, and pasta manufacturing	–	11	8	g	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	–	6	5	1 215	34 987	989	1 896	26 401	158 125	93 259	250 415	D
311822	Flour mixes and dough manufacturing from purchased flour	1	3	3	e	D	D	D	D	D	D	D	D

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	TENNESSEE—Con.												
311	Food manufacturing—Con.												
3119	Other food manufacturing	–	56	20	3 318	117 143	2 645	5 095	84 655	1 081 416	462 559	1 560 771	49 993
31191	Snack food manufacturing	–	8	4	g	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	–	8	4	g	D	D	D	D	D	D	D	D
31192	Coffee and tea manufacturing	8	5	3	152	4 022	133	273	2 974	14 894	19 209	35 341	40
311920	Coffee and tea manufacturing	8	5	3	152	4 022	133	273	2 974	14 894	19 209	35 341	40
31194	Seasoning and dressing manufacturing	–	11	4	e	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	–	5	3	291	10 154	227	453	7 901	33 748	46 315	80 290	1 349
31199	All other food manufacturing	–	29	8	820	21 871	617	1 032	13 691	86 928	51 687	138 345	D
311991	Perishable prepared food manufacturing	–	7	6	431	11 898	267	334	5 395	38 356	21 838	59 942	D
311999	All other miscellaneous food manufacturing	1	22	2	389	9 973	350	698	8 296	48 572	29 849	78 403	853
312	Beverage and tobacco product manufacturing	–	64	25	3 264	126 847	2 237	4 540	82 622	2 145 134	1 077 608	3 213 792	82 273
3121	Beverage manufacturing	–	55	16	2 370	97 946	1 600	3 282	63 499	1 285 022	829 694	2 097 846	72 427
31211	Soft drink and ice manufacturing	–	38	13	g	D	D	D	D	D	D	D	28 096
312111	Soft drink manufacturing	–	15	9	967	34 815	607	1 334	20 200	315 278	516 197	832 343	20 432
312112	Bottled water manufacturing	–	9	2	c	D	D	D	D	D	D	D	D
312113	Ice manufacturing	1	14	2	c	D	D	D	D	D	D	D	D
31212	Breweries	–	1	1	f	D	D	D	D	D	D	D	D
312120	Breweries	–	1	1	f	D	D	D	D	D	D	D	D
31214	Distilleries	–	4	2	e	D	D	D	D	D	D	D	D
312140	Distilleries	–	4	2	e	D	D	D	D	D	D	D	D
3122	Tobacco manufacturing	–	9	9	894	28 901	637	1 258	19 123	860 112	247 914	1 115 946	9 846
31221	Tobacco stemming and redrying	9	2	2	c	D	D	D	D	D	D	D	D
312210	Tobacco stemming and redrying	9	2	2	c	D	D	D	D	D	D	D	D
31222	Tobacco product manufacturing	–	7	7	f	D	D	D	D	D	D	D	D
312229	Other tobacco product manufacturing	–	7	7	f	D	D	D	D	D	D	D	D
313	Textile mills	–	75	40	6 424	206 302	5 126	10 000	148 646	611 938	978 460	1 559 388	23 973
3131	Fiber, yarn, and thread mills	–	21	12	2 688	72 085	2 306	4 173	54 975	177 113	260 818	438 947	3 109
31311	Fiber, yarn, and thread mills	–	21	12	2 688	72 085	2 306	4 173	54 975	177 113	260 818	438 947	3 109
313111	Yarn spinning mills	1	12	7	1 589	42 355	1 291	2 075	28 808	100 397	92 121	193 715	1 936
313112	Yarn texturizing, throwing, and twisting mills	–	5	4	g	D	D	D	D	D	D	D	937
3132	Fabric mills	–	24	17	2 600	100 601	1 873	3 920	70 058	358 352	609 503	934 724	16 062
31321	Broadwoven fabric mills	3	7	4	765	21 571	678	1 427	17 727	57 439	36 431	94 446	1 664
313210	Broadwoven fabric mills	3	7	4	765	21 571	678	1 427	17 727	57 439	36 431	94 446	1 664
31323	Nonwoven fabric mills	–	7	6	1 457	68 488	904	1 923	45 964	279 957	556 743	802 778	13 849
313230	Nonwoven fabric mills	–	7	6	1 457	68 488	904	1 923	45 964	279 957	556 743	802 778	13 849
31324	Knit fabric mills	–	7	5	329	8 706	260	503	5 593	18 445	15 019	33 434	D
313241	Weft knit fabric mills	–	4	2	c	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	2	30	11	1 136	33 616	947	1 907	23 613	76 473	108 139	185 717	4 802
31331	Textile and fabric finishing mills	3	24	8	725	19 774	611	1 197	13 870	40 603	48 544	89 628	1 009
313311	Broadwoven fabric finishing mills	4	18	6	506	15 038	413	831	9 991	31 501	28 358	59 995	808
313312	Textile and fabric finishing (except broadwoven fabric) mills	3	6	2	219	4 736	198	366	3 879	9 102	20 186	29 633	201
31332	Fabric coating mills	–	6	3	411	13 842	336	710	9 743	35 870	59 595	96 089	3 793
313320	Fabric coating mills	–	6	3	411	13 842	336	710	9 743	35 870	59 595	96 089	3 793
314	Textile product mills	2	140	42	4 081	108 766	3 420	6 575	77 497	354 535	386 845	739 572	18 567
3141	Textile furnishings mills	4	52	10	1 396	32 702	1 241	2 330	26 209	135 325	172 459	309 820	2 175
31411	Carpet and rug mills	4	9	5	1 044	25 380	943	1 812	21 018	116 893	153 731	272 852	2 017
314110	Carpet and rug mills	4	9	5	1 044	25 380	943	1 812	21 018	116 893	153 731	272 852	2 017
31412	Curtain and linen mills	2	43	5	352	7 322	298	518	5 191	18 432	18 728	36 968	158
314121	Curtain and drapery mills	3	35	3	216	3 988	175	301	2 392	8 924	6 842	15 498	118
314129	Other household textile product mills	1	8	2	136	3 334	123	217	2 799	9 508	11 886	21 470	40
3149	Other textile product mills	1	88	32	2 685	76 064	2 179	4 245	51 288	219 210	214 386	429 752	16 392
31491	Textile bag and canvas mills	–	30	12	681	17 507	519	981	9 573	52 019	61 534	109 197	855
314911	Textile bag mills	–	8	7	302	7 121	244	486	3 850	19 592	29 750	46 281	345
314912	Canvas and related product mills	–	22	5	379	10 386	275	495	5 723	32 427	31 784	62 916	510
31499	All other textile product mills	1	58	20	2 004	58 557	1 660	3 264	41 715	167 191	152 852	320 555	15 537
314992	Tire cord and tire fabric mills	–	3	2	f	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	2	51	18	g	D	D	D	D	D	D	D	D

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	TENNESSEE—Con.												
315	Apparel manufacturing	1	181	92	11 355	247 252	9 445	16 548	166 297	628 719	684 088	1 328 551	D
3151	Apparel knitting mills	–	23	14	2 765	73 908	2 287	4 171	50 223	158 893	136 480	300 344	D
31511	Hosiery and sock mills	–	14	10	2 009	60 793	1 620	2 921	40 400	117 594	91 986	215 053	4 368
315111	Sheer hosiery mills	–	3	2	f	D	D	D	D	D	D	D	D
315119	Other hosiery and sock mills	–	11	8	g	D	D	D	D	D	D	D	D
31519	Other apparel knitting mills	–	9	4	756	13 115	667	1 250	9 823	41 299	44 494	85 291	D
315191	Outerwear knitting mills	–	3	2	e	D	D	D	D	D	D	D	D
315192	Underwear and nightwear knitting mills	–	6	2	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	1	138	73	8 254	164 977	6 884	11 881	110 748	454 534	521 572	986 754	8 018
31521	Cut and sew apparel contractors	5	70	28	2 184	34 417	1 837	3 083	23 701	50 951	20 399	79 332	1 553
315211	Men's and boys' cut and sew apparel contractors	2	25	17	1 100	13 349	962	1 319	9 573	18 017	3 698	22 525	302
315212	Women's, girls', and infants' cut and sew apparel contractors	7	45	11	1 084	21 068	875	1 764	14 128	32 934	16 701	56 807	1 251
31522	Men's and boys' cut and sew apparel manufacturing	–	35	27	4 794	103 452	3 983	6 778	68 871	309 426	418 776	734 402	5 647
315221	Men's and boys' cut and sew underwear and nightwear manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	–	5	4	1 059	25 147	821	1 498	13 296	23 259	64 889	88 049	992
315223	Men's and boys' cut and sew shirt (except work shirt) manufacturing	–	5	3	195	3 244	161	217	2 303	6 264	7 738	14 825	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	–	3	3	1 029	20 947	977	1 242	18 523	33 723	22 394	57 441	107
315225	Men's and boys' cut and sew work clothing manufacturing	1	14	10	1 639	29 913	1 362	2 510	21 791	194 362	242 020	433 903	2 753
315228	Men's and boys' cut and sew other outerwear manufacturing	–	7	6	e	D	D	D	D	D	D	D	D
31523	Women's and girls' cut and sew apparel manufacturing	2	22	10	385	7 936	336	593	5 342	57 898	58 063	116 092	235
315239	Women's and girls' cut and sew other outerwear manufacturing	–	10	5	197	3 226	183	290	2 643	49 985	47 387	97 318	71
31529	Other cut and sew apparel manufacturing	–	11	8	891	19 172	728	1 427	12 834	36 259	24 334	56 928	583
315299	All other cut and sew apparel manufacturing	–	9	7	f	D	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing	3	20	5	336	8 367	274	496	5 326	15 292	26 036	41 453	56
31599	Apparel accessories and other apparel manufacturing	3	20	5	336	8 367	274	496	5 326	15 292	26 036	41 453	56
315999	Other apparel accessories and other apparel manufacturing	2	16	3	243	6 705	193	363	4 163	12 287	24 540	37 025	D
316	Leather and allied product manufacturing	3	37	16	1 494	32 356	1 226	1 957	19 996	81 832	68 907	148 754	D
3162	Footwear manufacturing	3	9	5	f	D	D	D	D	D	D	D	1 046
31621	Footwear manufacturing	3	9	5	f	D	D	D	D	D	D	D	1 046
316211	Rubber and plastics footwear manufacturing	–	2	1	c	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing	5	4	3	300	6 215	252	434	4 054	19 793	20 298	41 424	D
3169	Other leather and allied product manufacturing	2	26	10	952	22 482	751	1 281	12 996	49 929	32 804	80 541	D
31699	Other leather and allied product manufacturing	2	26	10	952	22 482	751	1 281	12 996	49 929	32 804	80 541	D
316991	Luggage manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
316992	Women's handbag and purse manufacturing	–	2	1	c	D	D	D	D	D	D	D	D
316999	All other leather goods manufacturing	6	19	7	392	8 227	336	616	5 806	20 973	12 459	32 294	D
321	Wood product manufacturing	1	593	171	16 379	426 228	13 496	25 667	304 883	967 977	1 373 245	2 329 735	66 400
3211	Sawmills and wood preservation	3	209	45	2 687	71 107	2 277	4 286	56 035	160 083	278 316	440 672	14 880
32111	Sawmills and wood preservation	3	209	45	2 687	71 107	2 277	4 286	56 035	160 083	278 316	440 672	14 880
321113	Sawmills	3	204	41	2 438	65 970	2 104	3 918	52 721	145 132	240 574	389 238	13 407
321114	Wood preservation	6	5	4	249	5 137	173	368	3 314	14 951	37 742	51 434	1 473
3212	Veneer, plywood, and engineered wood product manufacturing	1	40	17	1 167	35 029	951	1 984	24 257	91 077	105 269	195 292	6 080
32121	Veneer, plywood, and engineered wood product manufacturing	1	40	17	1 167	35 029	951	1 984	24 257	91 077	105 269	195 292	6 080
321214	Truss manufacturing	2	28	12	700	20 521	529	1 112	11 940	38 379	36 625	75 239	1 780
321219	Reconstituted wood product manufacturing	–	5	3	385	12 467	355	703	10 810	46 800	61 444	107 033	D

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	TENNESSEE—Con.												
321	Wood product manufacturing—Con.												
3219	Other wood product manufacturing	1	344	109	12 525	320 092	10 268	19 397	224 591	716 817	989 660	1 693 771	45 440
32191	Millwork	1	117	38	5 958	157 214	5 107	9 887	117 166	350 337	505 625	843 836	27 944
321911	Wood window and door manufacturing	3	15	11	1 321	31 972	1 132	1 982	24 256	104 135	105 610	208 613	4 134
321912	Cut stock, resawing lumber, and planing	1	51	12	1 327	32 245	1 170	2 156	25 251	56 334	89 969	146 792	3 130
321918	Other millwork (including flooring)	–	51	15	3 310	92 997	2 805	5 749	67 659	189 868	310 046	488 431	20 680
32192	Wood container and pallet manufacturing	2	120	28	1 537	32 644	1 226	2 295	22 153	72 268	75 790	148 604	4 388
321920	Wood container and pallet manufacturing	2	120	28	1 537	32 644	1 226	2 295	22 153	72 268	75 790	148 604	4 388
32199	All other wood product manufacturing	1	107	43	5 030	130 234	3 935	7 215	85 272	294 212	408 245	701 331	13 108
321991	Manufactured home (mobile home) manufacturing	–	21	17	3 524	90 674	2 791	5 181	61 885	194 711	327 509	521 179	5 897
321992	Prefabricated wood building manufacturing	2	32	12	783	23 294	536	923	10 915	52 216	58 805	109 978	4 113
321999	All other miscellaneous wood product manufacturing	1	54	14	723	16 266	608	1 111	12 472	47 285	21 931	70 174	3 098
322	Paper manufacturing	–	157	114	16 001	642 159	12 568	26 277	434 531	2 076 453	2 273 837	4 358 558	297 762
3221	Pulp, paper, and paperboard mills	–	15	13	3 584	225 697	2 540	5 499	152 159	867 714	668 124	1 544 859	209 850
32211	Pulp mills	–	2	2	f	D	D	D	D	D	D	D	D
322110	Pulp mills	–	2	2	f	D	D	D	D	D	D	D	D
32212	Paper mills	–	7	6	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	–	6	5	f	D	D	D	D	D	D	D	D
322122	Newsprint mills	–	1	1	g	D	D	D	D	D	D	D	D
32213	Paperboard mills	–	6	5	1 019	64 914	812	1 858	50 252	316 930	238 980	555 443	39 040
322130	Paperboard mills	–	6	5	1 019	64 914	812	1 858	50 252	316 930	238 980	555 443	39 040
3222	Converted paper product manufacturing	1	142	101	12 417	416 462	10 028	20 778	282 372	1 208 739	1 605 713	2 813 699	87 912
32221	Paperboard container manufacturing	–	91	69	6 773	240 244	5 319	11 344	156 383	636 743	918 381	1 555 530	68 963
322211	Corrugated and solid fiber box manufacturing	1	62	46	3 633	135 553	2 727	5 915	81 133	325 171	565 617	891 006	D
322212	Folding paperboard box manufacturing	–	20	17	2 231	77 793	1 766	3 766	52 659	217 884	227 966	445 800	33 500
322214	Fiber can, tube, drum, and similar products manufacturing	–	7	5	e	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	–	23	13	3 304	105 593	2 746	5 647	72 096	290 126	385 386	676 928	9 236
322221	Coated and laminated packaging paper and plastics film manufacturing	–	5	2	c	D	D	D	D	D	D	D	1 771
322222	Coated and laminated paper manufacturing	–	12	7	2 237	69 709	1 843	3 583	45 460	191 976	235 165	425 674	D
322224	Uncoated paper and multiwall bag manufacturing	2	4	3	732	21 034	657	1 542	16 774	47 988	81 595	131 011	2 831
32223	Stationery product manufacturing	2	15	11	1 720	53 091	1 448	2 779	40 428	236 684	269 875	505 164	8 196
322231	Die-cut paper and paperboard office supplies manufacturing	3	7	3	e	D	D	D	D	D	D	D	D
322232	Envelope manufacturing	–	6	6	742	23 000	617	1 271	18 294	51 541	99 032	152 969	643
322233	Stationery, tablet, and related product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing	–	13	8	620	17 534	515	1 008	13 465	45 186	32 071	76 077	1 517
322291	Sanitary paper product manufacturing	2	3	3	155	2 855	126	233	1 988	9 925	7 567	17 444	D
322299	All other converted paper product manufacturing	–	10	5	465	14 679	389	775	11 477	35 261	24 504	58 633	D
323	Printing and related support activities	1	786	171	22 050	763 387	16 467	32 054	492 797	1 763 395	1 038 790	2 796 966	153 393
3231	Printing and related support activities	1	786	171	22 050	763 387	16 467	32 054	492 797	1 763 395	1 038 790	2 796 966	153 393
32311	Printing	1	701	153	20 703	713 611	15 501	30 127	465 191	1 668 240	1 017 331	2 680 325	149 829
323110	Commercial lithographic printing	1	327	79	10 707	370 285	8 154	15 068	242 611	819 731	448 008	1 264 841	59 282
323111	Commercial gravure printing	–	11	5	1 709	68 099	1 444	3 218	53 237	194 699	193 513	387 424	15 780
323112	Commercial flexographic printing	–	22	14	1 537	55 681	1 002	2 114	31 972	114 165	96 302	210 505	7 031
323113	Commercial screen printing	3	105	14	1 627	46 559	1 154	1 987	26 780	90 119	53 218	146 898	D
323114	Quick printing	4	118	4	f	D	D	D	D	D	D	D	D
323115	Digital printing	–	23	5	461	15 737	263	460	6 161	58 775	12 171	71 432	D
323116	Manifold business forms printing	1	24	13	798	26 047	558	1 088	17 520	107 260	77 183	185 356	7 532
323117	Books printing	–	15	10	2 575	89 035	2 056	4 632	63 297	196 420	83 751	274 590	D
323119	Other commercial printing	1	53	7	649	24 203	434	845	12 850	49 847	35 066	84 897	D
32312	Support activities for printing	2	85	18	1 347	49 776	966	1 927	27 606	95 155	21 459	116 641	3 564
323121	Tradebinding and related work	1	34	8	677	18 149	556	1 094	11 649	35 225	12 051	47 411	2 047
323122	Prepress services	4	51	10	670	31 627	410	833	15 957	59 930	9 408	69 230	1 517

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	TENNESSEE—Con.												
324	Petroleum and coal products manufacturing	–	r59	r10	r1 164	r55 752	r846	r1 616	r42 526	r466 202	r2 283 406	r2 704 108	r144 680
3241	Petroleum and coal products manufacturing	–	r59	r10	r1 164	r55 752	r846	r1 616	r42 526	r466 202	r2 283 406	r2 704 108	r144 680
32411	Petroleum refineries	–	r2	r2	e	D	D	D	D	D	D	D	D
324110	Petroleum refineries	–	r2	r2	e	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing	3	46	6	f	D	D	D	D	D	D	D	D
324121	Asphalt paving mixture and block manufacturing	1	44	5	e	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing	9	2	1	c	D	D	D	D	D	D	D	D
32419	Other petroleum and coal products manufacturing	2	11	2	e	D	D	D	D	D	D	D	D
324191	Petroleum lubricating oil and grease manufacturing	2	10	2	e	D	D	D	D	D	D	D	3 016
325	Chemical manufacturing	–	278	122	28 557	1 524 420	14 906	32 074	640 440	5 474 114	5 225 855	10 693 754	691 119
3251	Basic chemical manufacturing	–	63	28	16 089	981 205	6 673	15 397	351 930	1 984 149	2 678 876	4 636 252	518 544
32512	Industrial gas manufacturing	–	16	4	c	D	D	D	D	D	D	D	D
325120	Industrial gas manufacturing	–	16	4	c	D	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing	–	7	4	1 345	72 328	831	2 212	43 604	269 627	366 933	635 774	D
325131	Inorganic dye and pigment manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	–	21	10	i	D	D	D	D	D	D	D	D
325181	Alkalies and chlorine manufacturing	–	1	1	c	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	–	20	9	5 652	348 302	1 130	2 183	62 740	953 854	252 118	1 207 840	19 445
32519	Other basic organic chemical manufacturing	–	18	10	i	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	–	16	10	8 687	537 690	4 491	10 539	233 132	639 015	1 989 079	2 599 641	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	1	21	15	2 837	143 291	1 926	4 280	84 056	499 147	556 709	1 058 557	36 228
32521	Resin and synthetic rubber manufacturing	1	13	9	1 195	60 654	779	1 706	35 527	283 885	352 288	637 022	D
325211	Plastics material and resin manufacturing	1	10	7	g	D	D	D	D	D	D	D	14 758
325212	Synthetic rubber manufacturing	–	3	2	c	D	D	D	D	D	D	D	D
32522	Artificial and synthetic fibers and filaments manufacturing	–	8	6	1 642	82 637	1 147	2 574	48 529	215 262	204 421	421 535	D
325221	Cellulosic organic fiber manufacturing	3	3	3	f	D	D	D	D	D	D	D	D
325222	Noncellulosic organic fiber manufacturing	–	5	3	g	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	1	17	5	506	19 591	368	729	11 909	47 160	113 910	161 500	4 260
32531	Fertilizer manufacturing	–	10	2	221	10 696	158	343	7 411	26 294	79 637	105 855	3 290
325311	Nitrogenous fertilizer manufacturing	–	1	1	c	D	D	D	D	D	D	D	D
32532	Pesticide and other agricultural chemical manufacturing	2	7	3	285	8 895	210	386	4 498	20 866	34 273	55 645	970
325320	Pesticide and other agricultural chemical manufacturing	2	7	3	285	8 895	210	386	4 498	20 866	34 273	55 645	970
3254	Pharmaceutical and medicine manufacturing	–	22	10	2 389	116 411	1 630	3 115	54 783	2 064 827	832 955	2 914 742	73 423
32541	Pharmaceutical and medicine manufacturing	–	22	10	2 389	116 411	1 630	3 115	54 783	2 064 827	832 955	2 914 742	73 423
325411	Medicinal and botanical manufacturing	–	5	2	e	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	10	5	1 908	101 181	1 220	2 324	43 757	1 927 500	780 176	2 725 744	69 446
3255	Paint, coating, and adhesive manufacturing	6	40	17	1 264	52 523	721	1 519	21 804	179 298	220 546	400 289	D
32551	Paint and coating manufacturing	7	28	10	963	39 178	538	1 138	15 855	122 324	166 301	289 079	4 575
325510	Paint and coating manufacturing	7	28	10	963	39 178	538	1 138	15 855	122 324	166 301	289 079	4 575
32552	Adhesive manufacturing	2	12	7	301	13 345	183	381	5 949	56 974	54 245	111 210	D
325520	Adhesive manufacturing	2	12	7	301	13 345	183	381	5 949	56 974	54 245	111 210	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	1	41	16	2 504	96 274	1 510	3 047	42 073	261 434	292 476	543 805	D
32561	Soap and cleaning compound manufacturing	1	32	8	789	34 080	379	740	12 040	131 772	120 249	252 664	D
325611	Soap and other detergent manufacturing	2	18	4	527	22 495	212	390	6 428	70 418	65 811	137 474	D
325612	Polish and other sanitation good manufacturing	1	12	2	c	D	D	D	D	D	D	D	949

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	TENNESSEE—Con.												
325	Chemical manufacturing—Con.												
3256	Soap, cleaning compound, and toilet preparation manufacturing—Con.												
32562	Toilet preparation manufacturing	1	9	8	1 715	62 194	1 131	2 307	30 033	129 662	172 227	291 141	6 016
325620	Toilet preparation manufacturing	1	9	8	1 715	62 194	1 131	2 307	30 033	129 662	172 227	291 141	6 016
3259	Other chemical product and preparation manufacturing	3	74	31	2 968	115 125	2 078	3 987	73 885	438 099	530 383	978 609	40 840
32591	Printing ink manufacturing	5	19	4	241	10 441	144	275	5 626	32 729	54 606	88 856	1 892
325910	Printing ink manufacturing	5	19	4	241	10 441	144	275	5 626	32 729	54 606	88 856	1 892
32599	All other chemical product and preparation manufacturing	2	50	25	2 643	101 959	1 888	3 619	67 163	398 952	468 714	876 237	38 680
325991	Custom compounding of purchased resins	2	27	14	1 341	52 749	944	1 965	33 298	160 981	326 888	490 493	26 371
325992	Photographic film, paper, plate, and chemical manufacturing	–	5	2	c	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing	4	18	9	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	r362	r216	r34 855	r1 187 993	r27 921	r55 563	r842 528	r3 142 337	r3 152 051	r6 296 620	r274 266
3261	Plastics product manufacturing	1	r287	r178	r21 609	r655 772	r17 222	r33 688	r436 376	r2 006 578	r1 902 700	r3 911 663	r202 442
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	1	29	17	1 785	70 142	1 384	2 812	45 640	344 975	291 657	638 134	17 317
326111	Plastics bag manufacturing	–	8	5	474	19 061	397	889	13 964	83 068	70 623	153 359	6 277
326112	Plastics packaging film and sheet (including laminated) manufacturing	3	7	5	519	22 138	339	685	10 455	74 573	83 396	163 281	1 616
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	1	14	7	792	28 943	648	1 238	21 221	187 334	137 638	321 494	9 424
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	2	23	11	1 459	49 512	1 143	2 464	30 526	109 907	112 857	226 866	4 773
326121	Unlaminated plastics profile shape manufacturing	4	15	8	839	28 393	648	1 449	18 203	92 223	62 411	154 667	4 094
326122	Plastics pipe and pipe fitting manufacturing	–	8	3	620	21 119	495	1 015	12 323	17 684	50 446	72 199	679
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	–	7	4	694	27 667	529	1 103	19 687	96 802	110 736	205 119	10 244
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	–	7	4	694	27 667	529	1 103	19 687	96 802	110 736	205 119	10 244
32614	Polystyrene foam product manufacturing	–	12	8	526	15 555	408	833	11 259	41 519	60 668	102 440	4 144
326140	Polystyrene foam product manufacturing	–	12	8	526	15 555	408	833	11 259	41 519	60 668	102 440	4 144
32615	Urethane and other foam product (except polystyrene) manufacturing	–	25	19	2 144	62 210	1 684	2 969	40 350	181 491	226 166	407 399	12 151
326150	Urethane and other foam product (except polystyrene) manufacturing	–	25	19	2 144	62 210	1 684	2 969	40 350	181 491	226 166	407 399	12 151
32616	Plastics bottle manufacturing	–	6	6	329	11 293	299	619	9 338	46 265	41 091	87 090	1 975
326160	Plastics bottle manufacturing	–	6	6	329	11 293	299	619	9 338	46 265	41 091	87 090	1 975
32619	Other plastics product manufacturing	1	r185	r113	r14 672	r419 393	r11 775	r22 888	r279 576	r1 185 619	r1 059 525	r2 244 615	r151 838
326191	Plastics plumbing fixture manufacturing	–	18	8	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	1	r166	r105	r12 980	r382 132	r10 339	r20 517	r254 000	r1 065 962	r978 439	r2 043 699	r149 780
3262	Rubber product manufacturing	–	75	38	13 246	532 221	10 699	21 875	406 152	1 135 759	1 249 351	2 384 957	71 824
32621	Tire manufacturing	–	30	9	7 309	345 081	6 180	12 496	276 956	686 771	747 649	1 435 833	52 231
326211	Tire manufacturing (except retreading)	–	9	6	7 074	337 786	6 057	12 240	274 207	670 590	724 709	1 398 480	51 571
326212	Tire retreading	1	21	3	235	7 295	123	256	2 749	16 181	22 940	37 353	660
32622	Rubber and plastics hoses and belting manufacturing	–	9	7	1 927	61 772	1 550	3 462	46 162	139 933	181 710	322 282	6 304
326220	Rubber and plastics hoses and belting manufacturing	–	9	7	1 927	61 772	1 550	3 462	46 162	139 933	181 710	322 282	6 304
32629	Other rubber product manufacturing	–	36	22	4 010	125 368	2 969	5 917	83 034	309 055	319 992	626 842	13 289
326291	Rubber product manufacturing for mechanical use	–	10	7	2 527	71 820	1 883	3 738	52 036	167 454	128 235	294 857	7 858
326299	All other rubber product manufacturing	–	26	15	1 483	53 548	1 086	2 179	30 998	141 601	191 757	331 985	5 431
327	Nonmetallic mineral product manufacturing	1	387	130	13 004	474 941	10 480	21 461	346 314	1 462 926	1 122 428	2 581 798	111 177

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	TENNESSEE—Con.												
327	Nonmetallic mineral product manufacturing—Con.												
3271	Clay product and refractory manufacturing	1	37	16	2 000	73 847	1 509	3 126	46 316	222 885	120 137	344 567	11 057
32711	Pottery, ceramics, and plumbing fixture manufacturing	–	21	5	579	20 769	433	938	12 706	54 331	38 200	96 635	3 778
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	–	17	2	c	D	D	D	D	D	D	D	D
327113	Porcelain electrical supply manufacturing	–	3	3	420	15 290	310	698	9 248	41 829	33 324	79 374	D
32712	Clay building material and refractories manufacturing	1	16	11	1 421	53 078	1 076	2 188	33 610	168 554	81 937	247 932	7 279
327121	Brick and structural clay tile manufacturing	–	4	4	e	D	D	D	D	D	D	D	D
327122	Ceramic wall and floor tile manufacturing	2	8	4	843	33 653	594	1 224	18 699	103 544	52 189	153 414	4 291
327125	Nonclay refractory manufacturing	2	2	2	c	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	–	39	17	5 095	200 359	4 406	9 103	161 254	567 851	518 966	1 084 697	53 900
32721	Glass and glass product manufacturing	–	39	17	5 095	200 359	4 406	9 103	161 254	567 851	518 966	1 084 697	53 900
327211	Flat glass manufacturing	–	3	3	g	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	–	7	3	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	–	29	11	2 498	72 154	2 188	4 457	57 647	190 629	286 923	477 618	12 121
3273	Cement and concrete product manufacturing	3	225	71	4 277	145 069	3 303	6 628	101 711	499 118	362 740	858 936	39 647
32731	Cement manufacturing	–	7	2	242	12 585	194	408	9 373	92 116	34 424	127 576	2 021
327310	Cement manufacturing	–	7	2	242	12 585	194	408	9 373	92 116	34 424	127 576	2 021
32732	Ready-mix concrete manufacturing	4	124	37	2 103	68 351	1 714	3 399	53 408	200 714	201 761	401 910	23 933
327320	Ready-mix concrete manufacturing	4	124	37	2 103	68 351	1 714	3 399	53 408	200 714	201 761	401 910	23 933
32733	Concrete pipe, brick, and block manufacturing	–	38	15	818	28 737	551	1 091	15 596	97 387	56 639	152 075	8 013
327331	Concrete block and brick manufacturing	1	32	11	530	19 633	319	633	9 240	54 389	43 846	96 473	7 048
327332	Concrete pipe manufacturing	–	6	4	288	9 104	232	458	6 356	42 998	12 793	55 602	965
32739	Other concrete product manufacturing	4	56	17	1 114	35 396	844	1 730	23 334	108 901	69 916	177 375	5 680
327390	Other concrete product manufacturing	4	56	17	1 114	35 396	844	1 730	23 334	108 901	69 916	177 375	5 680
3274	Lime and gypsum product manufacturing	–	7	3	312	13 882	259	620	10 515	48 580	45 514	93 880	1 296
32741	Lime manufacturing	–	3	1	c	D	D	D	D	D	D	D	D
327410	Lime manufacturing	–	3	1	c	D	D	D	D	D	D	D	D
32742	Gypsum product manufacturing	1	4	2	c	D	D	D	D	D	D	D	D
327420	Gypsum product manufacturing	1	4	2	c	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	1	79	23	1 320	41 784	1 003	1 984	26 518	124 492	75 071	199 718	5 277
32791	Abrasive product manufacturing	2	4	3	201	6 889	145	324	4 417	16 586	4 594	21 090	D
327910	Abrasive product manufacturing	2	4	3	201	6 889	145	324	4 417	16 586	4 594	21 090	D
32799	All other nonmetallic mineral product manufacturing	1	75	20	1 119	34 895	858	1 660	22 101	107 906	70 477	178 628	D
327991	Cut stone and stone product manufacturing	2	44	10	496	16 784	406	827	11 568	43 213	16 982	59 423	2 737
327992	Ground or treated mineral and earth manufacturing	1	7	2	163	4 465	141	182	3 202	16 088	8 569	24 666	D
327993	Mineral wool manufacturing	–	12	4	291	8 363	214	443	4 624	32 335	30 846	63 667	220
327999	All other miscellaneous nonmetallic mineral product manufacturing	1	12	4	169	5 283	97	208	2 707	16 270	14 080	30 872	628
331	Primary metal manufacturing	–	120	81	13 495	583 130	10 614	22 621	415 596	1 765 476	2 726 347	4 449 011	129 143
3311	Iron and steel mills and ferroalloy manufacturing	–	9	4	607	31 218	464	915	20 879	78 331	206 474	284 560	7 573
33111	Iron and steel mills and ferroalloy manufacturing	–	9	4	607	31 218	464	915	20 879	78 331	206 474	284 560	7 573
331111	Iron and steel mills	–	9	4	607	31 218	464	915	20 879	78 331	206 474	284 560	7 573
3312	Steel product manufacturing from purchased steel	–	20	17	1 834	69 132	1 467	3 032	50 178	266 008	353 797	615 838	21 560
33121	Iron and steel pipe and tube manufacturing from purchased steel	–	8	8	1 092	36 878	873	1 775	26 375	95 071	136 437	230 126	4 917
331210	Iron and steel pipe and tube manufacturing from purchased steel	–	8	8	1 092	36 878	873	1 775	26 375	95 071	136 437	230 126	4 917

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	TENNESSEE—Con.												
331	Primary metal manufacturing—Con.												
3312	Steel product manufacturing from purchased steel—Con.												
33122	Rolling and drawing of purchased steel	–	12	9	742	32 254	594	1 257	23 803	170 937	217 360	385 712	16 643
331221	Rolled steel shape manufacturing	1	4	4	308	13 161	246	538	9 888	106 995	87 934	194 669	D
331222	Steel wire drawing	–	8	5	434	19 093	348	719	13 915	63 942	129 426	191 043	D
3313	Alumina and aluminum production and processing	–	18	18	4 357	226 465	3 208	7 120	155 545	653 879	1 617 173	2 239 513	70 230
33131	Alumina and aluminum production and processing	–	18	18	4 357	226 465	3 208	7 120	155 545	653 879	1 617 173	2 239 513	70 230
331312	Primary aluminum production	–	1	1	f	D	D	D	D	D	D	D	D
331314	Secondary smelting and alloying of aluminum	–	8	8	714	29 429	448	1 012	16 851	101 684	305 627	406 190	8 355
331315	Aluminum sheet, plate, and foil manufacturing	–	3	3	1 634	97 185	1 186	2 751	65 524	318 924	964 601	1 251 274	D
331316	Aluminum extruded product manufacturing	3	6	6	g	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	–	20	12	1 295	52 768	879	1 898	30 736	145 341	240 940	390 729	3 881
33141	Nonferrous metal (except aluminum) smelting and refining	–	4	3	366	17 317	223	480	8 390	39 436	42 497	82 617	1 466
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	–	4	3	366	17 317	223	480	8 390	39 436	42 497	82 617	1 466
33142	Copper rolling, drawing, extruding, and alloying	1	9	6	656	24 226	488	1 048	16 367	63 374	150 357	217 108	1 271
331421	Copper rolling, drawing, and extruding	–	3	2	c	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing	–	3	2	e	D	D	D	D	D	D	D	D
331423	Secondary smelting, refining, and alloying of copper	7	3	2	148	6 139	99	221	3 495	15 021	16 582	31 411	674
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	–	7	3	273	11 225	168	370	5 979	42 531	48 086	91 004	1 144
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	–	3	2	c	D	D	D	D	D	D	D	D
3315	Foundries	–	53	30	5 402	203 547	4 596	9 656	158 258	621 917	307 963	918 371	25 899
33151	Ferrous metal foundries	–	25	13	2 930	112 173	2 411	5 000	84 076	368 625	122 673	479 815	8 843
331511	Iron foundries	–	16	9	2 568	97 793	2 120	4 406	73 363	321 499	82 202	392 504	8 083
331512	Steel investment foundries	6	6	3	c	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment)	–	3	1	c	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	–	28	17	2 472	91 374	2 185	4 656	74 182	253 292	185 290	438 556	17 056
331521	Aluminum die-casting foundries	–	11	8	1 353	49 355	1 185	2 586	39 018	142 973	94 523	235 848	6 881
331522	Nonferrous (except aluminum) die-casting foundries	–	4	3	337	11 645	291	611	8 820	18 148	24 164	45 270	D
331524	Aluminum foundries (except die-casting)	–	8	3	628	25 590	588	1 191	22 867	76 526	58 680	133 768	D
331525	Copper foundries (except die-casting)	–	4	3	c	D	D	D	D	D	D	D	306
332	Fabricated metal product manufacturing	1	1 186	391	37 563	1 260 990	28 995	57 206	841 322	3 075 059	2 863 920	5 923 754	202 418
3321	Forging and stamping	2	57	32	2 797	94 528	2 138	4 285	62 446	188 728	247 970	440 059	40 165
33211	Forging and stamping	2	57	32	2 797	94 528	2 138	4 285	62 446	188 728	247 970	440 059	40 165
332111	Iron and steel forging	–	10	4	986	33 856	727	1 505	23 055	76 574	54 233	131 622	D
332114	Custom roll forming	7	9	5	318	11 121	240	504	6 774	25 271	75 193	104 006	1 524
332115	Crown and closure manufacturing	–	2	1	c	D	D	D	D	D	D	D	D
332116	Metal stamping	1	31	20	1 043	31 515	802	1 586	20 143	66 011	49 001	114 171	D
332117	Powder metallurgy part manufacturing	–	5	2	c	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	–	34	12	1 647	53 675	1 358	2 693	39 430	114 762	117 800	235 054	9 715
33221	Cutlery and handtool manufacturing	–	34	12	1 647	53 675	1 358	2 693	39 430	114 762	117 800	235 054	9 715
332211	Cutlery and flatware (except precious) manufacturing	–	1	1	c	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	–	26	8	1 239	41 350	1 010	1 962	30 178	61 802	71 204	133 428	8 842
332214	Kitchen utensil, pot, and pan manufacturing	1	3	1	c	D	D	D	D	D	D	D	D

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	TENNESSEE—Con.												
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing	1	291	107	9 479	325 552	6 844	13 959	198 092	761 224	705 628	1 445 961	51 312
33231	Plate work and fabricated structural product manufacturing	1	144	51	3 971	145 561	2 756	5 438	83 945	323 646	302 212	623 900	10 149
332311	Prefabricated metal building and component manufacturing	–	15	5	1 064	36 131	629	1 203	17 717	74 936	97 766	172 537	2 405
332312	Fabricated structural metal manufacturing	2	109	38	2 392	90 775	1 720	3 410	53 893	216 834	188 483	404 178	5 300
332313	Plate work manufacturing	1	20	8	515	18 655	407	825	12 335	31 876	15 963	47 185	2 444
33232	Ornamental and architectural metal products manufacturing	1	147	56	5 508	179 991	4 088	8 521	114 147	437 578	403 416	822 061	41 163
332321	Metal window and door manufacturing	–	33	16	2 809	86 696	2 029	4 128	52 827	207 104	242 782	451 645	12 350
332322	Sheet metal work manufacturing	1	78	32	2 084	71 810	1 620	3 545	49 003	192 471	132 342	298 166	27 973
332323	Ornamental and architectural metal work manufacturing	4	36	8	615	21 485	439	848	12 317	38 003	28 292	72 250	840
3324	Boiler, tank, and shipping container manufacturing	1	41	26	2 898	98 872	2 263	4 430	67 236	215 327	345 945	586 017	12 712
33241	Power boiler and heat exchanger manufacturing	–	8	4	632	20 293	529	1 019	14 378	60 488	57 122	117 951	1 885
332410	Power boiler and heat exchanger manufacturing	–	8	4	632	20 293	529	1 019	14 378	60 488	57 122	117 951	1 885
33242	Metal tank (heavy gauge) manufacturing	–	20	13	1 119	37 453	842	1 568	23 963	80 582	106 106	201 509	6 154
332420	Metal tank (heavy gauge) manufacturing	–	20	13	1 119	37 453	842	1 568	23 963	80 582	106 106	201 509	6 154
33243	Metal can, box, and other metal container (light gauge) manufacturing	2	13	9	1 147	41 126	892	1 843	28 895	74 257	182 717	266 557	4 673
332431	Metal can manufacturing	–	5	4	340	13 375	298	635	10 840	40 936	126 679	166 893	3 445
332439	Other metal container manufacturing	7	8	5	807	27 751	594	1 208	18 055	33 321	56 038	99 664	1 228
3325	Hardware manufacturing	–	19	12	3 386	103 787	2 709	4 767	72 106	323 236	563 632	884 334	14 324
33251	Hardware manufacturing	–	19	12	3 386	103 787	2 709	4 767	72 106	323 236	563 632	884 334	14 324
332510	Hardware manufacturing	–	19	12	3 386	103 787	2 709	4 767	72 106	323 236	563 632	884 334	14 324
3326	Spring and wire product manufacturing	2	56	25	2 263	63 403	1 839	3 777	44 024	148 740	139 159	285 832	6 275
33261	Spring and wire product manufacturing	2	56	25	2 263	63 403	1 839	3 777	44 024	148 740	139 159	285 832	6 275
332612	Spring (light gauge) manufacturing	1	10	4	219	6 532	188	353	4 866	13 678	15 311	29 218	513
332618	Other fabricated wire product manufacturing	2	46	21	2 044	56 871	1 651	3 424	39 158	135 062	123 848	256 614	5 762
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	459	85	6 022	217 239	4 647	8 894	147 176	459 783	245 425	691 622	23 129
33271	Machine shops	2	404	58	3 951	146 852	2 998	5 721	99 552	303 457	129 916	418 824	13 917
332710	Machine shops	2	404	58	3 951	146 852	2 998	5 721	99 552	303 457	129 916	418 824	13 917
33272	Turned product and screw, nut, and bolt manufacturing	1	55	27	2 071	70 387	1 649	3 173	47 624	156 326	115 509	272 798	9 212
332721	Precision turned product manufacturing	2	35	17	905	29 947	720	1 435	21 132	59 134	27 666	86 840	3 881
332722	Bolt, nut, screw, rivet, and washer manufacturing	–	20	10	1 166	40 440	929	1 738	26 492	97 192	87 843	185 958	5 331
3328	Coating, engraving, heat treating, and allied activities	1	115	44	2 833	80 335	2 294	4 378	56 406	164 950	74 951	238 194	12 190
33281	Coating, engraving, heat treating, and allied activities	1	115	44	2 833	80 335	2 294	4 378	56 406	164 950	74 951	238 194	12 190
332811	Metal heat treating	1	16	5	343	9 932	273	580	7 174	25 697	6 383	31 836	2 194
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers	2	46	21	1 260	34 806	1 014	1 926	23 272	72 354	33 626	104 776	3 439
332813	Electroplating, plating, polishing, anodizing, and coloring	1	53	18	1 230	35 597	1 007	1 872	25 960	66 899	34 942	101 582	6 557
3329	Other fabricated metal product manufacturing	–	114	48	6 238	223 599	4 903	10 023	154 406	698 309	423 410	1 116 681	32 596
33291	Metal valve manufacturing	–	14	11	1 974	74 978	1 597	3 388	52 968	260 064	158 707	415 973	16 590
332911	Industrial valve manufacturing	–	6	4	905	41 097	619	1 322	25 496	136 891	74 651	209 445	10 941
332912	Fluid power valve and hose fitting manufacturing	3	3	2	c	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
332919	Other metal valve and pipe fitting manufacturing	–	3	3	398	11 095	375	730	9 045	56 553	28 865	85 652	D
33299	All other fabricated metal product manufacturing	1	100	37	4 264	148 621	3 306	6 635	101 438	438 245	264 703	700 708	16 006
332991	Ball and roller bearing manufacturing	–	8	7	1 400	52 702	1 206	2 390	41 414	185 061	89 955	278 577	6 194
332993	Ammunition (except small arms) manufacturing	–	4	2	f	D	D	D	D	D	D	D	D

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	TENNESSEE—Con.												
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	1	13	6	484	15 134	405	784	10 057	42 711	40 473	83 127	794
332998	Enameled iron and metal sanitary ware manufacturing	–	2	1	c	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	2	61	18	1 312	44 083	986	1 983	29 336	105 903	91 142	193 272	7 136
333	Machinery manufacturing	1	r528	r191	r32 503	r1 159 235	r24 102	r47 235	r716 634	r3 768 643	r4 635 856	r8 481 151	r179 417
3331	Agriculture, construction, and mining machinery manufacturing	1	49	21	6 584	219 497	5 217	10 341	148 219	763 654	1 492 277	2 301 151	51 493
33311	Agricultural implement manufacturing	–	26	12	4 229	122 708	3 522	7 125	86 928	497 161	1 008 209	1 555 273	41 359
333111	Farm machinery and equipment manufacturing	1	19	7	858	23 605	671	1 299	15 838	69 890	48 064	118 206	2 479
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	–	7	5	3 371	99 103	2 851	5 826	71 090	427 271	960 145	1 437 067	38 880
33312	Construction machinery manufacturing	2	19	9	2 328	95 878	1 678	3 183	60 777	265 178	482 548	743 045	10 093
333120	Construction machinery manufacturing	2	19	9	2 328	95 878	1 678	3 183	60 777	265 178	482 548	743 045	10 093
3332	Industrial machinery manufacturing	2	70	21	1 541	59 962	1 012	1 990	31 009	118 463	147 183	277 502	5 462
33321	Sawmill and woodworking machinery manufacturing	–	9	5	426	13 911	302	564	6 796	36 890	65 449	113 249	825
333210	Sawmill and woodworking machinery manufacturing	–	9	5	426	13 911	302	564	6 796	36 890	65 449	113 249	825
33322	Plastics and rubber industry machinery manufacturing	5	16	3	180	8 236	117	248	4 330	14 089	9 040	23 520	343
333220	Plastics and rubber industry machinery manufacturing	5	16	3	180	8 236	117	248	4 330	14 089	9 040	23 520	343
33329	Other industrial machinery manufacturing	2	45	13	935	37 815	593	1 178	19 883	67 484	72 694	140 733	4 294
333292	Textile machinery manufacturing	1	10	3	271	13 424	169	362	6 648	16 160	24 869	40 592	919
333298	All other industrial machinery manufacturing	4	22	7	453	17 115	295	548	9 540	34 526	35 388	70 557	1 926
3333	Commercial and service industry machinery manufacturing	4	29	12	1 444	47 160	998	2 055	28 631	200 833	203 796	404 818	11 698
33331	Commercial and service industry machinery manufacturing	4	29	12	1 444	47 160	998	2 055	28 631	200 833	203 796	404 818	11 698
333312	Commercial laundry, drycleaning, and pressing machine manufacturing	–	1	1	c	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing	6	21	9	994	33 876	680	1 381	19 026	168 295	144 820	314 481	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1	53	35	9 218	298 662	7 494	14 203	212 720	1 199 562	1 238 830	2 427 518	29 706
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1	53	35	9 218	298 662	7 494	14 203	212 720	1 199 562	1 238 830	2 427 518	29 706
333411	Air purification equipment manufacturing	4	13	7	f	D	D	D	D	D	D	D	641
333414	Heating equipment (except warm air furnaces) manufacturing	–	12	6	1 227	32 030	972	1 755	20 191	95 889	66 178	164 206	2 735
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	1	27	22	7 267	241 539	5 960	11 309	177 187	1 057 757	1 128 818	2 175 359	26 330
3335	Metalworking machinery manufacturing	2	r185	r45	r4 495	r184 548	r3 167	r6 165	r107 447	r347 628	r145 244	r496 339	r13 133
33351	Metalworking machinery manufacturing	2	r185	r45	r4 495	r184 548	r3 167	r6 165	r107 447	r347 628	r145 244	r496 339	r13 133
333511	Industrial mold manufacturing	3	r37	r13	r1 222	r39 160	r990	r1 993	r26 554	r77 063	r39 306	r116 093	r3 364
333514	Special die and tool, die set, jig, and fixture manufacturing	3	107	20	1 330	53 538	984	1 779	36 288	90 347	35 963	125 000	5 047
333515	Cutting tool and machine tool accessory manufacturing	1	28	6	1 074	44 926	775	1 496	26 328	136 179	16 980	153 398	1 532
333518	Other metalworking machinery manufacturing	1	7	3	693	38 953	289	640	13 453	32 898	41 466	79 446	D

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	TENNESSEE—Con.												
333	Machinery manufacturing—Con.												
3336	Engine, turbine, and power transmission equipment manufacturing	–	16	7	1 576	45 006	1 306	2 635	31 540	170 295	280 963	471 092	5 073
33361	Engine, turbine, and power transmission equipment manufacturing	–	16	7	1 576	45 006	1 306	2 635	31 540	170 295	280 963	471 092	5 073
333613	Mechanical power transmission equipment manufacturing	–	7	3	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	–	7	4	1 022	25 917	903	1 885	18 484	120 287	253 355	388 603	2 131
3339	Other general purpose machinery manufacturing	–	126	50	7 645	304 400	4 908	9 846	157 068	968 208	1 127 563	2 102 731	62 852
33391	Pump and compressor manufacturing	–	16	6	1 467	56 739	898	1 808	28 664	171 759	306 078	488 422	D
333911	Pump and pumping equipment manufacturing	–	7	2	c	D	D	D	D	D	D	D	585
333912	Air and gas compressor manufacturing	–	8	3	979	37 660	646	1 377	20 857	125 906	267 412	400 010	2 614
333913	Measuring and dispensing pump manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	–	40	17	2 144	80 306	1 516	3 056	46 860	210 020	234 974	444 070	D
333921	Elevator and moving stairway manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing	1	23	11	856	42 613	472	982	18 857	64 503	130 787	195 270	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing	–	9	5	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	–	70	27	4 034	167 355	2 494	4 982	81 544	586 429	586 511	1 170 239	18 418
333991	Power-driven handtool manufacturing	–	4	4	g	D	D	D	D	D	D	D	6 920
333994	Industrial process furnace and oven manufacturing	–	4	3	173	3 486	104	224	1 978	21 095	20 745	41 186	D
333995	Fluid power cylinder and actuator manufacturing	–	6	2	c	D	D	D	D	D	D	D	740
333996	Fluid power pump and motor manufacturing	–	5	3	525	24 201	367	810	15 106	55 281	39 232	95 118	D
333999	All other miscellaneous general purpose machinery manufacturing	1	46	14	1 273	48 295	767	1 170	24 695	101 541	58 658	159 653	3 386
334	Computer and electronic product manufacturing	–	r150	61	r12 236	r474 649	8 153	16 214	236 550	r3 603 507	r6 425 458	r10 004 405	74 391
3341	Computer and peripheral equipment manufacturing	–	r14	4	h	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	–	r14	4	h	D	D	D	D	D	D	D	D
334111	Electronic computer manufacturing	–	7	2	h	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing	3	14	4	e	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing	1	6	2	e	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing	1	6	2	e	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	7	7	2	c	D	D	D	D	D	D	D	1 290
334220	Radio and television broadcasting and wireless communications equipment manufacturing	7	7	2	c	D	D	D	D	D	D	D	1 290
3343	Audio and video equipment manufacturing	–	8	3	2 221	77 119	1 702	3 246	47 445	196 089	898 231	1 096 967	D
33431	Audio and video equipment manufacturing	–	8	3	2 221	77 119	1 702	3 246	47 445	196 089	898 231	1 096 967	D
334310	Audio and video equipment manufacturing	–	8	3	2 221	77 119	1 702	3 246	47 445	196 089	898 231	1 096 967	D
3344	Semiconductor and other electronic component manufacturing	–	32	16	h	D	D	D	D	D	D	D	14 317
33441	Semiconductor and other electronic component manufacturing	–	32	16	h	D	D	D	D	D	D	D	14 317
334412	Bare printed circuit board manufacturing	–	5	2	c	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, and other inductor manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
334417	Electronic connector manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	–	11	8	g	D	D	D	D	D	D	D	11 906
334419	Other electronic component manufacturing	5	9	3	c	D	D	D	D	D	D	D	212

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	TENNESSEE—Con.												
334	Computer and electronic product manufacturing—Con.												
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	60	28	h	D	D	D	D	D	D	D	17 709
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	60	28	h	D	D	D	D	D	D	D	17 709
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	–	6	1	e	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	–	10	8	1 363	40 168	1 059	1 963	25 475	83 938	60 053	141 392	3 279
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	1	13	6	645	24 378	459	856	12 685	51 160	33 296	84 514	1 119
334514	Totalizing fluid meter and counting device manufacturing	–	1	1	c	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing	–	5	3	e	D	D	D	D	D	D	D	454
334517	Irradiation apparatus manufacturing	–	7	4	e	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing	–	9	3	403	19 848	170	336	5 644	54 935	21 947	74 228	1 215
3346	Manufacturing and reproducing magnetic and optical media	2	22	6	e	D	D	D	D	D	D	D	1 051
33461	Manufacturing and reproducing magnetic and optical media	2	22	6	e	D	D	D	D	D	D	D	1 051
334612	Prerecorded compact disc (except software), tape, and record reproducing	2	16	6	e	D	D	D	D	D	D	D	1 017
335	Electrical equipment, appliance, and component manufacturing	–	131	83	20 957	635 619	17 227	32 691	453 863	2 014 022	2 312 976	4 328 354	140 748
3351	Electric lighting equipment manufacturing	–	18	10	1 517	42 453	1 222	2 061	29 952	110 787	116 605	231 116	8 661
33511	Electric lamp bulb and part manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing	–	17	9	g	D	D	D	D	D	D	D	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing	–	10	6	863	24 497	652	1 149	16 122	68 136	89 830	162 365	8 071
335129	Other lighting equipment manufacturing	2	2	2	c	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	21	18	10 798	304 053	9 131	17 532	224 269	883 792	1 497 653	2 369 561	68 470
33521	Small electrical appliance manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	17	15	j	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	10	9	6 091	169 556	5 246	10 015	127 551	475 763	917 310	1 381 542	40 375
335222	Household refrigerator and home freezer manufacturing	–	1	1	c	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	5	4	h	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	1	56	33	5 409	172 041	4 344	8 220	122 025	473 472	406 983	879 651	23 012
33531	Electrical equipment manufacturing	1	56	33	5 409	172 041	4 344	8 220	122 025	473 472	406 983	879 651	23 012
335311	Power, distribution, and specialty transformer manufacturing	–	8	5	1 045	36 662	722	1 271	19 562	129 317	123 238	252 471	3 127
335312	Motor and generator manufacturing	–	23	17	3 041	85 877	2 597	4 877	68 384	168 215	146 566	314 107	15 930
335313	Switchgear and switchboard apparatus manufacturing	2	13	8	1 143	41 135	946	1 896	31 765	161 139	129 642	290 546	3 492
335314	Relay and industrial control manufacturing	1	12	3	180	8 367	79	176	2 314	14 801	7 537	22 527	463
3359	Other electrical equipment and component manufacturing	–	36	22	3 233	117 072	2 530	4 878	77 617	545 971	291 735	848 026	40 605
33591	Battery manufacturing	1	8	3	f	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing	9	6	2	c	D	D	D	D	D	D	D	D
335912	Primary battery manufacturing	–	2	1	f	D	D	D	D	D	D	D	D

Table 1. **Industry Statistics for the State: 2002**—Con.

[Includes data for industry groups and industries with 100 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	TENNESSEE—Con.												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3359	Other electrical equipment and component manufacturing—Con.												
33592	Communication and energy wire and cable manufacturing	–	6	5	f	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing	–	5	4	714	19 465	542	1 055	11 743	102 515	64 709	169 458	17 279
33593	Wiring device manufacturing	–	8	5	f	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing	–	5	2	e	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing	–	3	3	405	13 386	316	569	7 964	38 667	18 620	57 220	1 493
33599	All other electrical equipment and component manufacturing	–	14	9	858	31 981	647	1 335	21 284	128 311	78 174	207 203	D
335991	Carbon and graphite product manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing	2	9	5	e	D	D	D	D	D	D	D	785
336	Transportation equipment manufacturing	–	318	178	57 360	2 445 353	45 527	91 089	1 810 085	6 587 898	13 414 697	19 959 736	1 358 694
3361	Motor vehicle manufacturing	–	5	4	14 682	935 049	11 921	25 659	750 057	1 620 178	7 124 609	8 727 234	D
33611	Automobile and light duty motor vehicle manufacturing	–	4	3	j	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	–	3	2	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	–	55	21	2 063	66 177	1 603	3 135	45 807	142 658	257 247	401 548	D
33621	Motor vehicle body and trailer manufacturing	–	55	21	2 063	66 177	1 603	3 135	45 807	142 658	257 247	401 548	D
336211	Motor vehicle body manufacturing	–	15	5	663	23 280	465	936	14 689	41 605	150 630	195 239	D
336212	Truck trailer manufacturing	–	14	4	825	26 880	685	1 402	20 643	56 603	50 559	107 352	D
336214	Travel trailer and camper manufacturing	2	24	11	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	191	117	33 368	1 174 507	26 359	51 652	828 535	4 033 865	5 264 063	9 292 528	407 410
33631	Motor vehicle gasoline engine and engine parts manufacturing	–	24	9	h	D	D	D	D	D	D	D	24 141
336311	Carburetor, piston, piston ring, and valve manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	–	21	7	768	28 437	504	1 097	11 672	84 894	111 062	194 860	D
33632	Motor vehicle electrical and electronic equipment manufacturing	–	25	15	h	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	–	22	13	3 884	141 513	2 970	5 974	101 955	765 035	1 081 076	1 833 296	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	12	9	4 159	157 746	3 143	5 942	104 726	503 586	609 019	1 116 071	45 760
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	12	9	4 159	157 746	3 143	5 942	104 726	503 586	609 019	1 116 071	45 760
33634	Motor vehicle brake system manufacturing	2	13	8	2 929	141 261	2 515	4 931	114 753	321 949	583 602	906 498	35 192
336340	Motor vehicle brake system manufacturing	2	13	8	2 929	141 261	2 515	4 931	114 753	321 949	583 602	906 498	35 192
33635	Motor vehicle transmission and power train parts manufacturing	1	14	5	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	1	14	5	g	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	15	11	3 881	111 129	3 258	6 654	79 794	334 998	630 132	970 028	55 250
336360	Motor vehicle seating and interior trim manufacturing	–	15	11	3 881	111 129	3 258	6 654	79 794	334 998	630 132	970 028	55 250
33637	Motor vehicle metal stamping	1	23	15	2 830	122 724	2 156	4 385	87 699	225 108	309 429	532 560	60 924
336370	Motor vehicle metal stamping	1	23	15	2 830	122 724	2 156	4 385	87 699	225 108	309 429	532 560	60 924
33639	Other motor vehicle parts manufacturing	–	65	45	j	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	63	43	10 783	324 296	8 746	17 690	229 387	1 360 206	1 279 242	2 632 424	90 951

Table 1. **Industry Statistics for the State: 2002**—Con.

[Includes data for industry groups and industries with 100 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	TENNESSEE—Con.												
336	Transportation equipment manufacturing—Con.												
3364	Aerospace product and parts manufacturing	–	16	7	2 320	119 497	1 608	3 121	75 891	315 313	169 546	449 828	D
33641	Aerospace product and parts manufacturing	–	16	7	2 320	119 497	1 608	3 121	75 891	315 313	169 546	449 828	D
336413	Other aircraft parts and auxiliary equipment manufacturing	–	13	6	2 228	116 916	1 593	3 090	75 428	311 073	166 275	442 317	D
3365	Railroad rolling stock manufacturing	–	1	1	c	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing	–	1	1	c	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing	–	1	1	c	D	D	D	D	D	D	D	D
3366	Ship and boat building	–	30	19	4 017	117 774	3 362	6 180	90 186	416 990	490 815	907 805	D
33661	Ship and boat building	–	30	19	4 017	117 774	3 362	6 180	90 186	416 990	490 815	907 805	D
336611	Ship building and repairing	9	3	2	e	D	D	D	D	D	D	D	D
336612	Boat building	–	27	17	h	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	2	20	9	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	2	20	9	f	D	D	D	D	D	D	D	D
336999	All other transportation equipment manufacturing	–	12	7	661	21 160	510	994	13 679	30 178	69 951	113 218	D
337	Furniture and related product manufacturing	1	478	124	21 481	563 670	17 903	35 349	416 246	1 309 943	1 079 786	2 363 407	38 632
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	374	73	16 485	418 398	14 055	27 590	325 513	969 595	809 368	1 753 861	25 179
33711	Wood kitchen cabinet and countertop manufacturing	2	220	17	1 912	49 865	1 574	3 001	35 778	96 518	78 433	174 611	3 554
337110	Wood kitchen cabinet and countertop manufacturing	2	220	17	1 912	49 865	1 574	3 001	35 778	96 518	78 433	174 611	3 554
33712	Household and institutional furniture manufacturing	1	154	56	14 573	368 533	12 481	24 589	289 735	873 077	730 935	1 579 250	21 625
337121	Upholstered household furniture manufacturing	–	46	20	9 454	247 917	8 254	16 441	203 740	541 438	466 220	1 002 680	10 004
337122	Nonupholstered wood household furniture manufacturing	–	67	16	2 320	51 109	2 088	4 167	41 808	140 792	116 976	241 226	8 089
337124	Metal household furniture manufacturing	2	9	4	213	4 333	177	337	2 902	7 807	10 011	17 470	103
337127	Institutional furniture manufacturing	3	25	15	2 535	63 826	1 922	3 572	40 529	181 213	136 187	314 506	3 386
3372	Office furniture (including fixtures) manufacturing	–	82	39	4 328	126 822	3 339	6 785	80 199	291 593	217 047	507 361	11 179
33721	Office furniture (including fixtures) manufacturing	–	82	39	4 328	126 822	3 339	6 785	80 199	291 593	217 047	507 361	11 179
337211	Wood office furniture manufacturing	3	10	3	227	5 779	184	366	3 824	12 161	9 909	22 202	670
337212	Custom architectural woodwork and millwork manufacturing	2	33	15	827	25 198	571	1 161	14 109	45 577	26 120	71 586	2 014
337214	Office furniture (except wood) manufacturing	–	8	4	765	21 013	630	1 114	14 123	75 332	33 870	109 038	817
337215	Showcase, partition, shelving, and locker manufacturing	–	31	17	2 509	74 832	1 954	4 144	48 143	158 523	147 148	304 535	7 678
3379	Other furniture related product manufacturing	2	22	12	668	18 450	509	974	10 534	48 755	53 371	102 185	2 274
33791	Mattress manufacturing	2	17	8	458	13 351	345	658	7 573	39 023	44 091	83 246	2 061
337910	Mattress manufacturing	2	17	8	458	13 351	345	658	7 573	39 023	44 091	83 246	2 061
33792	Blind and shade manufacturing	2	5	4	210	5 099	164	316	2 961	9 732	9 280	18 939	213
337920	Blind and shade manufacturing	2	5	4	210	5 099	164	316	2 961	9 732	9 280	18 939	213
339	Miscellaneous manufacturing	1	548	138	17 441	594 442	11 662	22 691	303 932	1 933 824	1 085 420	2 979 280	109 172
3391	Medical equipment and supplies manufacturing	1	227	43	6 166	248 805	3 162	6 254	84 582	1 000 859	342 597	1 293 291	80 861
33911	Medical equipment and supplies manufacturing	1	227	43	6 166	248 805	3 162	6 254	84 582	1 000 859	342 597	1 293 291	80 861
339111	Laboratory apparatus and furniture manufacturing	–	6	2	109	3 372	76	85	1 813	6 711	4 911	11 157	759
339112	Surgical and medical instrument manufacturing	1	23	9	559	18 011	453	925	11 474	107 206	33 104	140 337	3 643
339113	Surgical appliance and supplies manufacturing	1	40	19	4 020	187 394	1 603	3 337	46 106	781 733	262 230	999 344	71 432
339114	Dental equipment and supplies manufacturing	–	11	2	409	10 831	358	711	7 970	33 853	10 826	39 522	2 319
339115	Ophthalmic goods manufacturing	2	16	8	517	13 785	247	437	6 002	44 902	25 620	70 536	1 630
339116	Dental laboratories	4	131	3	552	15 412	425	759	11 217	26 454	5 906	32 395	1 078

Table 1. **Industry Statistics for the State: 2002**—Con.

[Includes data for industry groups and industries with 100 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	TENNESSEE—Con.												
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing	1	321	95	11 275	345 637	8 500	16 437	219 350	932 965	742 823	1 685 989	28 311
33991	Jewelry and silverware manufacturing	–	13	2	120	3 574	85	147	2 046	9 809	33 146	41 581	318
339911	Jewelry (except costume) manufacturing	–	9	2	114	3 396	80	139	1 941	9 423	32 926	40 975	309
33992	Sporting and athletic goods manufacturing	3	29	11	1 143	29 648	839	1 771	17 780	104 079	127 978	233 559	4 567
339920	Sporting and athletic goods manufacturing	3	29	11	1 143	29 648	839	1 771	17 780	104 079	127 978	233 559	4 567
33993	Doll, toy, and game manufacturing	5	11	2	103	2 181	89	143	1 372	6 010	4 414	10 365	85
339932	Game, toy, and children's vehicle manufacturing	5	10	2	c	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	2	21	11	2 460	70 882	1 968	3 801	50 267	229 560	150 765	381 101	5 419
339941	Pen and mechanical pencil manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
339942	Lead pencil and art good manufacturing	2	7	6	1 015	26 509	828	1 304	18 819	83 528	67 212	152 837	2 849
339943	Marking device manufacturing	9	9	2	e	D	D	D	D	D	D	D	D
339944	Carbon paper and inked ribbon manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing	3	121	21	2 060	80 518	1 226	2 343	41 037	93 767	96 479	192 123	3 436
339950	Sign manufacturing	3	121	21	2 060	80 518	1 226	2 343	41 037	93 767	96 479	192 123	3 436
33999	All other miscellaneous manufacturing	–	126	48	5 389	158 834	4 293	8 232	106 848	489 740	330 041	827 260	14 486
339991	Gasket, packing, and sealing device manufacturing	–	14	11	1 253	41 107	997	1 977	27 430	86 170	102 674	180 608	2 168
339992	Musical instrument manufacturing	–	21	5	f	D	D	D	D	D	D	D	1 436
339993	Fastener, button, needle, and pin manufacturing	–	2	2	c	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
339995	Burial casket manufacturing	–	7	5	730	24 448	623	1 322	18 522	114 110	52 327	171 895	791
339999	All other miscellaneous manufacturing	1	78	22	1 576	42 024	1 130	1 782	23 549	113 833	69 388	190 310	D

[1]Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

[2]Includes establishments with payroll at any time during the year.

[3]Industries with 100 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 100 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c–100 to 249 employees; e–250 to 499 employees; f–500 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.

[4]Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2]		All employees		Production workers			Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA												
31-33	Manufacturing	–	892	337	59 008	2 076 578	44 384	87 459	1 314 981	7 204 590	6 278 916	13 461 763	471 853
311	Food manufacturing	–	50	24	j	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling	–	5	4	e	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	–	1	1	f	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate	–	1	1	f	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	4	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	4	2	g	D	D	D	D	D	D	D	D
311615	Poultry processing	–	2	2	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	26	10	i	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	22	6	i	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	6	5	i	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	3	4	4	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	3	4	4	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	–	8	2	e	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	–	8	2	e	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	–	6	2	e	D	D	D	D	D	D	D	D
313	Textile mills	1	28	18	i	D	D	D	D	D	D	D	D
3131	Fiber, yarn, and thread mills	–	12	9	h	D	D	D	D	D	D	D	D
31311	Fiber, yarn, and thread mills	–	12	9	h	D	D	D	D	D	D	D	D
313111	Yarn spinning mills	1	8	6	g	D	D	D	D	D	D	D	D
313112	Yarn texturizing, throwing, and twisting mills	–	4	3	f	D	D	D	D	D	D	D	D
3132	Fabric mills	1	7	4	g	D	D	D	D	D	D	D	D
31321	Broadwoven fabric mills	1	5	3	g	D	D	D	D	D	D	D	D
313210	Broadwoven fabric mills	1	5	3	g	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	–	9	5	f	D	D	D	D	D	D	D	D
31331	Textile and fabric finishing mills	–	7	5	f	D	D	D	D	D	D	D	D
313311	Broadwoven fabric finishing mills	–	3	2	e	D	D	D	D	D	D	D	D
313312	Textile and fabric finishing (except broadwoven fabric) mills	–	4	3	389	8 774	350	648	6 965	13 679	32 889	46 714	D
314	Textile product mills	1	22	10	f	D	D	D	D	D	D	D	D
3141	Textile furnishings mills	1	9	6	f	D	D	D	D	D	D	D	D
31411	Carpet and rug mills	1	8	5	f	D	D	D	D	D	D	D	D
314110	Carpet and rug mills	1	8	5	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing	2	25	12	g	D	D	D	D	D	D	D	D
3151	Apparel knitting mills	–	13	7	g	D	D	D	D	D	D	D	D
31511	Hosiery and sock mills	–	10	7	g	D	D	D	D	D	D	D	D
315119	Other hosiery and sock mills	–	8	7	g	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	6	9	5	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	6	4	3	f	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing	9	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA—Con.												
316	Leather and allied product manufacturing	5	12	6	e	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	6	11	5	e	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	6	11	5	e	D	D	D	D	D	D	D	D
316999	All other leather goods manufacturing	6	11	5	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	35	11	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	2	27	7	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	19	16	h	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	–	5	4	g	D	D	D	D	D	D	D	D
32212	Paper mills	–	1	1	g	D	D	D	D	D	D	D	D
322122	Newsprint mills	–	1	1	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	1	14	12	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	1	11	10	g	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	2	7	6	f	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing	–	3	3	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	99	17	1 748	63 005	1 207	2 058	35 828	132 226	78 286	210 171	D
3231	Printing and related support activities	1	99	17	1 748	63 005	1 207	2 058	35 828	132 226	78 286	210 171	D
32311	Printing	1	86	17	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	1	39	10	f	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	–	3	2	e	D	D	D	D	D	D	D	D
323113	Commercial screen printing	–	19	4	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	60	26	h	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	16	9	f	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	–	4	2	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	–	6	3	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	–	6	3	e	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	1	9	7	1 471	83 269	912	2 117	46 208	325 945	254 468	586 388	15 814
32521	Resin and synthetic rubber manufacturing	3	6	4	e	D	D	D	D	D	D	D	D
325212	Synthetic rubber manufacturing	3	4	3	e	D	D	D	D	D	D	D	D
32522	Artificial and synthetic fibers and filaments manufacturing	–	3	3	g	D	D	D	D	D	D	D	D
325222	Noncellulosic organic fiber manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	5	3	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	5	3	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	1	15	5	540	23 455	342	686	15 649	110 112	69 686	183 392	8 875
32599	All other chemical product and preparation manufacturing	1	11	4	e	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing	1	6	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA—Con.												
326	Plastics and rubber products manufacturing	1	55	30	2 771	84 022	2 152	4 256	54 973	262 391	308 593	568 836	D
3261	Plastics product manufacturing	1	41	26	h	D	D	D	D	D	D	D	D
32615	Urethane and other foam product (except polystyrene) manufacturing	–	8	8	g	D	D	D	D	D	D	D	D
326150	Urethane and other foam product (except polystyrene) manufacturing	–	8	8	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	22	12	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	1	18	10	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	–	38	13	g	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	–	20	9	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	–	21	12	g	D	D	D	D	D	D	D	D
3315	Foundries	–	13	7	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	–	9	6	g	D	D	D	D	D	D	D	D
331511	Iron foundries	–	7	5	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	161	48	h	D	D	D	D	D	D	D	D
3321	Forging and stamping	1	10	5	e	D	D	D	D	D	D	D	D
33211	Forging and stamping	1	10	5	e	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	3	44	15	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	4	18	5	429	17 249	317	674	11 807	49 015	26 466	76 620	1 129
332312	Fabricated structural metal manufacturing	4	14	5	387	15 688	290	614	11 022	46 266	24 741	72 165	D
33232	Ornamental and architectural metal products manufacturing	2	26	10	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	–	17	9	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	–	8	3	e	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing	–	6	3	387	15 405	231	430	7 193	29 589	24 927	56 531	1 876
332420	Metal tank (heavy gauge) manufacturing	–	6	3	387	15 405	231	430	7 193	29 589	24 927	56 531	1 876
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	59	10	f	D	D	D	D	D	D	D	D
33271	Machine shops	3	52	6	e	D	D	D	D	D	D	D	D
332710	Machine shops	3	52	6	e	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing	1	7	4	253	9 104	195	415	5 611	18 987	19 776	38 627	2 915
3328	Coating, engraving, heat treating, and allied activities	3	14	7	e	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities	3	14	7	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing	–	16	4	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	3	15	3	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	66	28	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	–	13	7	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	–	6	4	g	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing	–	6	4	g	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing	2	12	6	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	–	8	3	263	13 207	171	380	6 914	18 752	24 179	42 537	D
333292	Textile machinery manufacturing	–	6	3	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	5	7	5	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	5	7	5	f	D	D	D	D	D	D	D	D
333411	Air purification equipment manufacturing	7	3	3	e	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing	3	3	2	e	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	3	19	6	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	5	14	5	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	19	14	i	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	5	5	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	5	5	h	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	5	5	h	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	6	3	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	6	3	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	1	7	6	g	D	D	D	D	D	D	D	D
33591	Battery manufacturing	1	2	2	f	D	D	D	D	D	D	D	D
335912	Primary battery manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	19	10	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	–	5	4	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	–	5	4	g	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing	–	3	2	f	D	D	D	D	D	D	D	D

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	CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA—Con.												
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing	–	9	4	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	69	17	2 460	61 734	2 057	4 144	42 844	159 774	138 497	295 785	3 790
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	55	10	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	–	25	8	g	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	–	14	5	g	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	–	10	6	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	–	10	6	f	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	–	7	4	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	2	69	16	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	2	30	5	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	2	30	5	f	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	–	9	4	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	2	39	11	g	D	D	D	D	D	D	D	D
33995	Sign manufacturing	7	13	4	e	D	D	D	D	D	D	D	D
339950	Sign manufacturing	7	13	4	e	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	–	15	4	f	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
	Athens, TN Micropolitan Statistical Area												
31-33	Manufacturing	–	65	28	5 804	228 832	4 356	8 557	152 770	777 056	707 280	1 487 086	76 232
311	Food manufacturing	–	4	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing	–	4	3	418	10 056	353	665	6 840	25 043	18 917	45 204	308
3151	Apparel knitting mills	–	3	2	e	D	D	D	D	D	D	D	308
31511	Hosiery and sock mills	–	3	2	e	D	D	D	D	D	D	D	308
315119	Other hosiery and sock mills	–	3	2	e	D	D	D	D	D	D	D	308
322	Paper manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	–	1	1	g	D	D	D	D	D	D	D	D
32212	Paper mills	–	1	1	g	D	D	D	D	D	D	D	D
322122	Newsprint mills	–	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	7	5	894	28 281	633	1 273	17 221	65 395	122 572	187 848	D
3261	Plastics product manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
32615	Urethane and other foam product (except polystyrene) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326150	Urethane and other foam product (except polystyrene) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D

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	Athens, TN Micropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing	–	10	2	496	17 208	416	784	12 868	18 593	59 503	79 236	D
3322	Cutlery and handtool manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	4	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	8	3	293	7 786	212	423	4 827	15 003	13 729	28 697	569
	Chattanooga, TN-GA Metropolitan Statistical Area												
31-33	Manufacturing	–	684	254	42 080	1 446 891	31 114	61 406	882 697	4 223 360	4 090 434	8 282 216	287 643
311	Food manufacturing	–	36	19	10 964	362 607	6 883	13 238	173 852	936 172	816 388	1 747 670	103 622
3112	Grain and oilseed milling	–	4	4	421	13 550	303	688	8 774	47 330	189 358	236 419	3 417
3113	Sugar and confectionery product manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	4	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	4	2	g	D	D	D	D	D	D	D	D
311615	Poultry processing	–	2	2	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	19	8	i	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	15	4	i	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	3	3	i	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	3	4	4	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	3	4	4	f	D	D	D	D	D	D	D	D
313	Textile mills	–	25	18	5 603	144 971	5 124	10 369	122 310	345 506	418 504	763 203	26 882
3131	Fiber, yarn, and thread mills	–	11	9	2 675	62 257	2 530	5 145	55 828	118 198	254 554	373 544	D
31311	Fiber, yarn, and thread mills	–	11	9	2 675	62 257	2 530	5 145	55 828	118 198	254 554	373 544	D
313111	Yarn spinning mills	1	8	6	g	D	D	D	D	D	D	D	D
313112	Yarn texturizing, throwing, and twisting mills	–	3	3	f	D	D	D	D	D	D	D	D
3132	Fabric mills	1	6	4	g	D	D	D	D	D	D	D	D
31321	Broadwoven fabric mills	1	5	3	g	D	D	D	D	D	D	D	D
313210	Broadwoven fabric mills	1	5	3	g	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	–	8	5	f	D	D	D	D	D	D	D	D
31331	Textile and fabric finishing mills	–	7	5	f	D	D	D	D	D	D	D	D
313311	Broadwoven fabric finishing mills	–	3	2	e	D	D	D	D	D	D	D	D
313312	Textile and fabric finishing (except broadwoven fabric) mills	–	4	3	389	8 774	350	648	6 965	13 679	32 889	46 714	D
314	Textile product mills	–	19	9	759	20 263	643	1 277	15 514	82 595	124 679	208 467	1 473
3141	Textile furnishings mills	–	8	5	f	D	D	D	D	D	D	D	503
31411	Carpet and rug mills	–	7	4	581	16 453	518	1 118	13 577	75 364	117 599	193 898	D
314110	Carpet and rug mills	–	7	4	581	16 453	518	1 118	13 577	75 364	117 599	193 898	D
315	Apparel manufacturing	3	15	6	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	2	21	7	336	7 625	277	459	4 776	16 905	16 795	34 547	1 467

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA—Con.												
	Chattanooga, TN-GA Metropolitan Statistical Area—Con.												
322	Paper manufacturing	–	13	11	1 612	59 139	1 264	2 629	40 623	175 571	168 802	341 337	10 553
3221	Pulp, paper, and paperboard mills	–	3	3	381	18 613	296	669	12 818	61 647	49 794	111 562	3 760
3222	Converted paper product manufacturing	–	10	8	1 231	40 526	968	1 960	27 805	113 924	119 008	229 775	6 793
32221	Paperboard container manufacturing	–	7	6	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	–	4	3	391	12 539	310	633	8 361	25 951	44 910	70 639	D
322212	Folding paperboard box manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	80	14	1 597	58 997	1 090	1 895	33 256	123 426	73 014	196 045	7 729
3231	Printing and related support activities	–	80	14	1 597	58 997	1 090	1 895	33 256	123 426	73 014	196 045	7 729
32311	Printing	–	68	14	g	D	D	D	D	D	D	D	7 641
323110	Commercial lithographic printing	–	28	7	517	19 437	326	625	10 388	38 427	23 504	61 422	3 690
323112	Commercial flexographic printing	–	3	2	e	D	D	D	D	D	D	D	D
323113	Commercial screen printing	–	17	4	488	16 204	369	555	9 233	41 325	19 198	60 643	2 461
325	Chemical manufacturing	1	49	19	2 889	167 395	1 670	3 691	78 470	672 362	504 186	1 180 314	D
3251	Basic chemical manufacturing	–	13	7	529	28 765	299	662	15 243	119 910	153 128	273 357	5 488
32519	Other basic organic chemical manufacturing	–	6	3	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	–	6	3	e	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	1	9	7	1 471	83 269	912	2 117	46 208	325 945	254 468	586 388	15 814
32521	Resin and synthetic rubber manufacturing	3	6	4	e	D	D	D	D	D	D	D	D
325212	Synthetic rubber manufacturing	3	4	3	e	D	D	D	D	D	D	D	D
32522	Artificial and synthetic fibers and filaments manufacturing	–	3	3	g	D	D	D	D	D	D	D	D
325222	Noncellulosic organic fiber manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	40	19	1 575	48 062	1 277	2 642	33 388	173 710	163 122	334 245	13 088
3261	Plastics product manufacturing	2	30	16	1 399	43 080	1 146	2 389	30 423	156 028	146 269	299 939	D
32615	Urethane and other foam product (except polystyrene) manufacturing	2	4	4	337	9 664	246	489	6 140	24 591	32 737	56 807	1 952
326150	Urethane and other foam product (except polystyrene) manufacturing	2	4	4	337	9 664	246	489	6 140	24 591	32 737	56 807	1 952
32619	Other plastics product manufacturing	1	16	7	691	20 230	606	1 185	14 667	87 968	70 699	158 595	5 020
326199	All other plastics product manufacturing	1	14	7	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	30	8	748	27 824	515	1 068	17 774	106 735	55 183	164 196	6 900
3271	Clay product and refractory manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	–	16	6	440	15 669	293	610	10 726	67 500	34 549	102 664	3 066
331	Primary metal manufacturing	–	19	12	2 365	89 656	1 907	4 017	65 567	325 870	117 320	429 039	D
3315	Foundries	–	12	7	2 085	80 121	1 699	3 586	59 707	292 896	61 055	342 367	7 262
33151	Ferrous metal foundries	–	8	6	1 999	76 983	1 638	3 444	57 508	282 962	57 007	328 495	7 030
331511	Iron foundries	–	6	5	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA—Con.												
	Chattanooga, TN-GA Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing	1	136	42	3 545	126 113	2 679	5 400	81 873	343 425	183 225	518 065	22 023
3321	Forging and stamping	1	8	4	338	9 874	275	545	6 443	20 212	18 436	38 623	818
33211	Forging and stamping	1	8	4	338	9 874	275	545	6 443	20 212	18 436	38 623	818
3323	Architectural and structural metals manufacturing	3	38	13	860	28 887	661	1 378	19 207	71 597	39 723	112 303	3 126
33231	Plate work and fabricated structural product manufacturing	4	18	5	429	17 249	317	674	11 807	49 015	26 466	76 620	1 129
332312	Fabricated structural metal manufacturing	4	14	5	387	15 688	290	614	11 022	46 266	24 741	72 165	D
33232	Ornamental and architectural metal products manufacturing	2	20	8	431	11 638	344	704	7 400	22 582	13 257	35 683	1 997
332322	Sheet metal work manufacturing	1	13	7	290	9 340	224	479	5 711	18 617	9 724	28 296	1 807
3324	Boiler, tank, and shipping container manufacturing	–	8	3	e	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing	–	6	3	387	15 405	231	430	7 193	29 589	24 927	56 531	1 876
332420	Metal tank (heavy gauge) manufacturing	–	6	3	387	15 405	231	430	7 193	29 589	24 927	56 531	1 876
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	54	9	684	24 661	531	1 040	15 786	48 306	33 657	81 999	3 968
33271	Machine shops	3	47	5	431	15 557	336	625	10 175	29 319	13 881	43 372	1 053
332710	Machine shops	3	47	5	431	15 557	336	625	10 175	29 319	13 881	43 372	1 053
33272	Turned product and screw, nut, and bolt manufacturing	1	7	4	253	9 104	195	415	5 611	18 987	19 776	38 627	2 915
3328	Coating, engraving, heat treating, and allied activities	2	10	6	278	9 219	214	423	6 306	20 499	5 672	26 132	D
33281	Coating, engraving, heat treating, and allied activities	2	10	6	278	9 219	214	423	6 306	20 499	5 672	26 132	D
3329	Other fabricated metal product manufacturing	–	13	4	756	30 778	583	1 235	22 195	138 427	52 998	179 924	11 472
33291	Metal valve manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	3	12	3	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	52	21	3 310	131 342	2 401	4 639	77 485	329 657	519 321	854 132	11 091
3331	Agriculture, construction, and mining machinery manufacturing	–	6	4	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	–	5	4	1 484	65 545	1 056	1 956	41 991	166 668	337 950	503 956	5 007
333120	Construction machinery manufacturing	–	5	4	1 484	65 545	1 056	1 956	41 991	166 668	337 950	503 956	5 007
3332	Industrial machinery manufacturing	2	11	5	386	19 075	245	539	9 101	28 365	31 518	59 339	D
33329	Other industrial machinery manufacturing	–	8	3	263	13 207	171	380	6 914	18 752	24 179	42 537	D
333292	Textile machinery manufacturing	–	6	3	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3	6	4	515	16 258	387	730	8 492	34 342	22 341	56 296	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3	6	4	515	16 258	387	730	8 492	34 342	22 341	56 296	D
333414	Heating equipment (except warm air furnaces) manufacturing	3	3	2	e	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA—Con.												
	Chattanooga, TN-GA Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3339	Other general purpose machinery manufacturing	4	17	4	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	13	8	2 449	68 420	2 216	4 089	55 063	259 535	436 146	698 469	23 582
3352	Household appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	4	6	5	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	14	7	1 181	36 808	941	1 882	27 331	82 811	279 032	356 870	4 312
3362	Motor vehicle body and trailer manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	38	9	806	23 150	597	1 172	14 092	84 103	57 543	141 433	2 480
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	32	5	462	11 891	367	704	8 167	56 852	37 441	93 633	1 459
33712	Household and institutional furniture manufacturing	–	9	3	259	7 054	205	441	4 854	20 656	11 666	31 651	485
3372	Office furniture (including fixtures) manufacturing	–	3	3	299	10 282	199	417	5 486	23 082	17 148	40 667	D
33721	Office furniture (including fixtures) manufacturing	–	3	3	299	10 282	199	417	5 486	23 082	17 148	40 667	D
339	Miscellaneous manufacturing	2	55	13	1 425	48 642	922	1 808	26 400	104 846	102 361	200 265	3 523
3391	Medical equipment and supplies manufacturing	1	25	4	614	26 159	367	710	14 230	57 202	34 088	85 314	2 023
33911	Medical equipment and supplies manufacturing	1	25	4	614	26 159	367	710	14 230	57 202	34 088	85 314	2 023
339113	Surgical appliance and supplies manufacturing	–	7	3	462	20 489	266	517	11 278	42 434	29 281	65 752	D
3399	Other miscellaneous manufacturing	3	30	9	811	22 483	555	1 098	12 170	47 644	68 273	114 951	1 500
33995	Sign manufacturing	7	11	4	492	13 172	331	665	7 385	25 949	21 558	47 621	919
339950	Sign manufacturing	7	11	4	492	13 172	331	665	7 385	25 949	21 558	47 621	919
	Cleveland, TN Metropolitan Statistical Area												
31-33	Manufacturing	–	143	55	11 124	400 855	8 914	17 496	279 514	2 204 174	1 481 202	3 692 461	107 978
311	Food manufacturing	–	10	4	1 303	65 204	1 105	2 425	53 873	648 031	322 134	975 324	D
3113	Sugar and confectionery product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	–	1	1	f	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate	–	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	5	2	e	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	5	2	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	3	2	e	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	–	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2]		All employees		Production workers			Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA—Con.												
	Cleveland, TN Metropolitan Statistical Area—Con.												
315	Apparel manufacturing	3	6	3	1 401	48 209	987	1 895	26 931	80 197	68 617	149 833	951
3151	Apparel knitting mills	–	3	1	f	D	D	D	D	D	D	D	D
31511	Hosiery and sock mills	–	2	1	f	D	D	D	D	D	D	D	D
315119	Other hosiery and sock mills	–	1	1	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	7	3	2	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	2	5	4	581	21 945	467	1 022	15 039	54 897	101 889	157 699	D
3222	Converted paper product manufacturing	2	4	4	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	2	4	4	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	2	3	3	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	8	6	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	1	4	3	343	15 668	216	423	11 471	88 589	39 490	130 659	6 080
32599	All other chemical product and preparation manufacturing	1	3	2	e	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing	1	2	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	8	6	302	7 679	242	341	4 364	23 286	22 899	46 743	1 196
3261	Plastics product manufacturing	–	6	6	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	8	7	3	293	12 417	172	337	5 838	26 485	20 458	44 567	209
335	Electrical equipment, appliance, and component manufacturing	–	4	4	3 095	109 804	2 554	4 877	78 904	512 181	381 354	900 373	D
3352	Household appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33591	Battery manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335912	Primary battery manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	23	5	1 361	30 798	1 248	2 549	23 925	60 668	67 225	125 655	741
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	18	3	1 252	28 096	1 156	2 380	22 025	54 298	62 845	114 767	672
33712	Household and institutional furniture manufacturing	–	13	3	1 220	27 080	1 133	2 331	21 376	52 876	61 894	112 375	D
337121	Upholstered household furniture manufacturing	–	10	3	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA—Con.												
	Cleveland, TN Metropolitan Statistical Area—Con.												
339	Miscellaneous manufacturing	–	10	2	436	12 827	358	720	7 913	33 592	20 843	52 052	806
3399	Other miscellaneous manufacturing	–	7	2	e	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	–	4	2	e	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
	JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA COMBINED STATISTICAL AREA												
31-33	Manufacturing	–	538	215	38 815	1 501 895	27 935	56 832	872 226	4 018 433	4 590 354	8 616 520	814 982
311	Food manufacturing	3	22	8	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	2	4	2	e	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
313	Textile mills	2	12	10	1 273	40 086	1 016	2 106	26 790	91 476	111 864	201 577	5 671
3132	Fabric mills	4	4	4	e	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	1	6	4	f	D	D	D	D	D	D	D	D
31331	Textile and fabric finishing mills	6	3	2	e	D	D	D	D	D	D	D	D
313311	Broadwoven fabric finishing mills	6	3	2	e	D	D	D	D	D	D	D	D
31332	Fabric coating mills	–	3	2	e	D	D	D	D	D	D	D	D
313320	Fabric coating mills	–	3	2	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	7	11	7	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	8	6	3	e	D	D	D	D	D	D	D	D
31523	Women's and girls' cut and sew apparel manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
315239	Women's and girls' cut and sew other outerwear manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	2	41	11	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	–	21	6	f	D	D	D	D	D	D	D	D
32191	Millwork	–	7	3	e	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	–	3	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	11	9	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	–	1	1	e	D	D	D	D	D	D	D	D
32212	Paper mills	–	1	1	e	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	–	1	1	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	3	10	8	e	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	3	7	6	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	61	18	h	D	D	D	D	D	D	D	51 443
3231	Printing and related support activities	–	61	18	h	D	D	D	D	D	D	D	51 443
32311	Printing	–	56	18	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	2	29	7	f	D	D	D	D	D	D	D	D
323111	Commercial gravure printing	–	1	1	e	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	–	4	3	e	D	D	D	D	D	D	D	D
323117	Books printing	–	5	5	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA COMBINED STATISTICAL AREA—Con.												
325	Chemical manufacturing	–	17	5	i	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	7	1	i	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
32522	Artificial and synthetic fibers and filaments manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
325222	Noncellulosic organic fiber manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	31	20	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	1	23	15	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	2	15	10	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	2	15	10	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	8	5	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	–	2	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	–	34	15	g	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	–	6	4	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	6	4	g	D	D	D	D	D	D	D	D
327211	Flat glass manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	4	18	7	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	4	17	12	g	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	–	2	2	e	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	–	2	2	e	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	–	2	2	e	D	D	D	D	D	D	D	D
3315	Foundries	5	10	6	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	3	6	4	e	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries	4	3	3	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	104	36	3 516	119 896	2 808	5 550	84 579	344 979	223 544	569 535	12 285
3321	Forging and stamping	–	8	5	f	D	D	D	D	D	D	D	D
33211	Forging and stamping	–	8	5	f	D	D	D	D	D	D	D	D
332111	Iron and steel forging	–	3	2	e	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	–	5	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing	–	17	9	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	–	8	4	e	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing	–	8	4	e	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	–	9	5	e	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
332431	Metal can manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	54	10	f	D	D	D	D	D	D	D	D
33271	Machine shops	1	48	8	f	D	D	D	D	D	D	D	D
332710	Machine shops	1	48	8	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	1	7	4	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	1	6	4	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	1	3	3	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	38	14	4 262	155 040	3 354	6 662	107 158	204 060	187 568	426 958	D
3331	Agriculture, construction, and mining machinery manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	–	3	3	e	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing	–	3	3	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	3	3	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	–	8	1	e	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	–	8	1	e	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	12	5	f	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
333913	Measuring and dispensing pump manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	–	6	2	e	D	D	D	D	D	D	D	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	9	5	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2]		All employees		Production workers			Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA COMBINED STATISTICAL AREA—Con.												
334	Computer and electronic product manufacturing—Con.												
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	6	3	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	6	3	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	–	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	17	10	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	1	2	2	g	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	11	7	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	11	7	g	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	–	8	5	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	20	13	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	2	5	4	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	2	5	4	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	12	8	h	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	30	8	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	3	21	3	e	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	3	9	3	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	44	11	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	3	19	3	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	3	19	3	e	D	D	D	D	D	D	D	D
339114	Dental equipment and supplies manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	–	25	8	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	–	14	5	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

U.S. Census Bureau, 2002 Economic Census

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA COMBINED STATISTICAL AREA—Con.												
	Bristol, VA Metropolitan Statistical Area												
31-33	Manufacturing	2	102	45	7 675	267 259	5 794	11 964	174 080	469 494	582 582	1 083 781	17 868
311	Food manufacturing	5	8	4	672	20 908	376	762	10 102	80 608	82 317	161 737	2 621
3119	Other food manufacturing	2	3	2	e	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	8	3	2	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
31523	Women's and girls' cut and sew apparel manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
315239	Women's and girls' cut and sew other outerwear manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32522	Artificial and synthetic fibers and filaments manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
325222	Noncellulosic organic fiber manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	5	3	e	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	5	3	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	20	10	863	32 445	694	1 303	22 212	106 815	100 394	204 815	2 019
3324	Boiler, tank, and shipping container manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
332431	Metal can manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	10	6	2 899	108 285	2 382	4 930	79 372	32 577	109 923	180 259	2 024
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	2	6	4	g	D	D	D	D	D	D	D	1 422
3352	Household appliance manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA COMBINED STATISTICAL AREA—Con.												
	Bristol, VA Metropolitan Statistical Area—Con.												
336	Transportation equipment manufacturing	–	8	7	665	21 666	533	1 227	14 690	68 458	63 776	128 090	4 546
3362	Motor vehicle body and trailer manufacturing	2	5	4	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	2	5	4	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	3	3	e	D	D	D	D	D	D	D	D
	Johnson City, TN Metropolitan Statistical Area												
31-33	Manufacturing	–	212	83	11 329	337 488	8 799	16 432	216 338	838 115	989 747	1 821 530	42 793
313	Textile mills	2	7	6	652	20 409	492	1 038	12 399	37 849	34 643	72 711	3 162
3133	Textile and fabric finishing and fabric coating mills	6	3	2	269	8 093	214	476	5 383	15 118	14 484	29 732	D
31331	Textile and fabric finishing mills	6	2	2	e	D	D	D	D	D	D	D	D
313311	Broadwoven fabric finishing mills	6	2	2	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	20	5	607	18 664	473	987	10 871	31 833	93 500	123 023	967
3219	Other wood product manufacturing	–	9	3	459	14 700	352	778	8 284	24 058	84 083	105 974	705
32191	Millwork	–	2	1	e	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	–	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	18	6	688	17 148	507	983	10 944	48 998	17 187	66 059	2 547
3231	Printing and related support activities	–	18	6	688	17 148	507	983	10 944	48 998	17 187	66 059	2 547
32311	Printing	–	16	6	f	D	D	D	D	D	D	D	D
323117	Books printing	–	3	3	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	14	8	646	18 448	529	1 012	13 764	47 653	79 861	127 552	3 875
3261	Plastics product manufacturing	–	11	6	e	D	D	D	D	D	D	D	1 373
3262	Rubber product manufacturing	–	3	2	e	D	D	D	D	D	D	D	2 502
331	Primary metal manufacturing	7	3	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	41	15	1 511	48 360	1 242	2 496	35 665	92 719	71 165	165 111	7 464
3322	Cutlery and handtool manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	–	6	4	385	10 098	315	615	7 533	18 802	24 870	43 897	D
33232	Ornamental and architectural metal products manufacturing	–	6	4	385	10 098	315	615	7 533	18 802	24 870	43 897	D
332321	Metal window and door manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	–	22	4	270	8 359	208	414	5 875	15 425	10 736	26 149	1 141
3329	Other fabricated metal product manufacturing	3	4	3	310	12 795	255	518	9 185	25 244	23 769	50 289	2 043
33299	All other fabricated metal product manufacturing	3	4	3	310	12 795	255	518	9 185	25 244	23 769	50 289	2 043
332991	Ball and roller bearing manufacturing	3	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2]		All employees		Production workers			Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA COMBINED STATISTICAL AREA—Con.												
	Johnson City, TN Metropolitan Statistical Area—Con.												
333	Machinery manufacturing	–	15	5	960	33 265	696	1 223	20 570	133 137	36 557	166 874	2 250
3335	Metalworking machinery manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	7	2	350	12 418	174	259	4 764	32 489	19 967	52 089	836
33391	Pump and compressor manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333913	Measuring and dispensing pump manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	8	4	1 291	37 219	866	1 527	19 433	73 695	85 197	158 230	D
3344	Semiconductor and other electronic component manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	6	3	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	6	3	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	–	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	10	6	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	8	5	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	8	5	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	15	4	495	10 515	421	721	7 047	16 320	21 160	38 782	1 682
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	10	1	259	5 364	244	391	4 543	9 158	10 912	21 141	68
339	Miscellaneous manufacturing	1	21	7	846	22 562	719	1 490	18 034	55 090	33 225	85 095	1 711
3391	Medical equipment and supplies manufacturing	2	8	2	335	8 656	317	634	7 774	23 466	9 727	29 303	878
33911	Medical equipment and supplies manufacturing	2	8	2	335	8 656	317	634	7 774	23 466	9 727	29 303	878
339114	Dental equipment and supplies manufacturing	–	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA COMBINED STATISTICAL AREA—Con.												
	Johnson City, TN Metropolitan Statistical Area—Con.												
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing	–	13	5	511	13 906	402	856	10 260	31 624	23 498	55 792	833
33999	All other miscellaneous manufacturing	–	8	3	434	11 606	349	753	8 933	27 347	22 221	50 243	D
	Kingsport-Bristol, TN-VA Metropolitan Statistical Area												
31-33	Manufacturing	–	224	87	19 811	897 148	13 342	28 436	481 808	2 710 824	3 018 025	5 711 209	754 321
313	Textile mills	2	5	4	621	19 677	524	1 068	14 391	53 627	77 221	128 866	2 509
3132	Fabric mills	6	2	2	e	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	–	3	2	e	D	D	D	D	D	D	D	D
31332	Fabric coating mills	–	2	2	e	D	D	D	D	D	D	D	D
313320	Fabric coating mills	–	2	2	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	2	5	4	263	5 295	228	232	4 026	9 568	9 202	18 705	D
321	Wood product manufacturing	4	17	5	420	8 433	376	729	6 784	21 916	40 963	63 058	1 022
322	Paper manufacturing	1	5	5	560	26 697	414	930	19 383	59 887	108 879	173 680	D
3221	Pulp, paper, and paperboard mills	–	1	1	e	D	D	D	D	D	D	D	D
32212	Paper mills	–	1	1	e	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	–	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	36	12	2 343	86 755	1 895	4 331	60 773	164 922	120 881	280 974	48 854
3231	Printing and related support activities	–	36	12	2 343	86 755	1 895	4 331	60 773	164 922	120 881	280 974	48 854
32311	Printing	–	33	12	2 327	86 117	1 882	4 304	60 349	163 771	120 519	279 461	48 820
323110	Commercial lithographic printing	1	17	5	364	10 161	265	487	5 920	28 551	11 645	39 954	D
323111	Commercial gravure printing	–	1	1	e	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	–	4	3	e	D	D	D	D	D	D	D	D
323117	Books printing	–	2	2	g	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	10	3	8 110	509 029	4 130	9 614	211 061	1 539 165	2 060 561	3 585 515	D
3251	Basic chemical manufacturing	–	6	1	i	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	12	9	1 221	40 210	996	2 025	28 422	126 774	80 385	204 695	19 933
3261	Plastics product manufacturing	3	7	6	625	19 394	509	1 008	13 193	57 221	37 979	93 662	D
32619	Other plastics product manufacturing	3	6	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	3	6	5	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	5	3	596	20 816	487	1 017	15 229	69 553	42 406	111 033	D
32629	Other rubber product manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	–	2	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	–	15	9	1 418	46 297	1 187	2 530	36 824	192 198	89 398	280 873	8 991
3272	Glass and glass product manufacturing	–	5	4	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	5	4	g	D	D	D	D	D	D	D	D
327211	Flat glass manufacturing	–	2	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA COMBINED STATISTICAL AREA—Con.												
	Kingsport-Bristol, TN-VA Metropolitan Statistical Area—Con.												
331	Primary metal manufacturing	2	10	7	687	22 790	561	1 161	16 896	44 684	68 652	114 224	D
3312	Steel product manufacturing from purchased steel	–	2	2	e	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	–	2	2	e	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	–	2	2	e	D	D	D	D	D	D	D	D
3315	Foundries	3	6	3	345	11 681	311	653	10 065	19 523	16 597	36 127	D
332	Fabricated metal product manufacturing	–	43	11	1 142	39 091	872	1 751	26 702	145 445	51 985	199 609	2 802
3321	Forging and stamping	–	3	3	465	16 007	377	816	11 507	37 175	23 245	60 976	841
33211	Forging and stamping	–	3	3	465	16 007	377	816	11 507	37 175	23 245	60 976	841
332111	Iron and steel forging	–	2	2	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	13	3	403	13 490	276	509	7 216	38 346	41 088	79 825	D
336	Transportation equipment manufacturing	–	9	4	1 904	59 943	1 372	2 572	38 080	237 519	180 250	415 692	18 322
3363	Motor vehicle parts manufacturing	–	7	3	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	12	4	266	7 956	206	389	4 960	50 803	36 484	87 365	D
	KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA												
31-33	Manufacturing	–	925	317	k	D	D	D	D	D	D	D	D
311	Food manufacturing	–	59	23	h	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling	–	3	2	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	12	7	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	12	7	f	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	–	6	4	e	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	–	5	2	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	17	5	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	17	5	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	5	4	1 013	27 363	242	427	6 925	65 247	32 337	97 631	D
3119	Other food manufacturing	3	8	5	f	D	D	D	D	D	D	D	D
31199	All other food manufacturing	–	4	2	e	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
313	Textile mills	–	11	3	f	D	D	D	D	D	D	D	D
3131	Fiber, yarn, and thread mills	–	3	1	e	D	D	D	D	D	D	D	D
31311	Fiber, yarn, and thread mills	–	3	1	e	D	D	D	D	D	D	D	D
313111	Yarn spinning mills	–	3	1	e	D	D	D	D	D	D	D	D
3132	Fabric mills	–	4	2	e	D	D	D	D	D	D	D	D
31321	Broadwoven fabric mills	–	1	1	e	D	D	D	D	D	D	D	D
313210	Broadwoven fabric mills	–	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	–	21	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA—Con.												
315	Apparel manufacturing	–	23	14	g	D	D	D	D	D	D	D	D
3151	Apparel knitting mills	–	2	2	e	D	D	D	D	D	D	D	D
31511	Hosiery and sock mills	–	2	2	e	D	D	D	D	D	D	D	D
315111	Sheer hosiery mills	–	1	1	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	–	17	11	g	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	–	6	5	1 250	25 987	1 144	1 577	22 348	32 346	36 382	75 698	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31529	Other cut and sew apparel manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
315299	All other cut and sew apparel manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	2	45	14	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	2	34	9	g	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing	2	15	7	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) manufacturing	2	6	4	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	14	8	1 131	48 826	896	1 919	34 498	337 435	156 131	499 209	26 238
3221	Pulp, paper, and paperboard mills	–	2	2	e	D	D	D	D	D	D	D	D
32212	Paper mills	–	2	2	e	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	–	2	2	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	2	12	6	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	2	11	6	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	4	7	3	275	11 175	210	441	7 151	22 893	36 934	59 880	931
322212	Folding paperboard box manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	110	18	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	1	110	18	g	D	D	D	D	D	D	D	D
32311	Printing	1	104	17	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	1	44	6	e	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	–	4	3	346	9 783	176	413	5 159	17 960	13 281	30 818	D
323113	Commercial screen printing	3	18	4	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	26	13	i	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	11	5	i	D	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	–	5	3	h	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	–	5	3	h	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
325411	Medicinal and botanical manufacturing	–	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA—Con.												
326	Plastics and rubber products manufacturing	–	37	21	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	30	20	g	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	–	6	4	e	D	D	D	D	D	D	D	852
326121	Unlaminated plastics profile shape manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	22	15	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	22	15	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	7	1	e	D	D	D	D	D	D	D	D
32621	Tire manufacturing	–	5	1	e	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	65	24	g	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	–	8	3	e	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	–	6	2	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	6	2	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	–	6	2	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	1	38	14	f	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing	3	16	6	e	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing	3	16	6	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	–	14	10	g	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
331111	Iron and steel mills	–	3	2	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	–	3	3	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing	–	3	3	g	D	D	D	D	D	D	D	D
331312	Primary aluminum production	–	1	1	f	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	178	53	4 469	148 254	3 517	6 801	99 794	357 996	312 305	648 556	D
3323	Architectural and structural metals manufacturing	2	47	16	g	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	2	29	12	g	D	D	D	D	D	D	D	D
332311	Prefabricated metal building and component manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing	3	24	10	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	2	18	4	e	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	2	9	3	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	1	2	2	e	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	1	2	2	e	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	1	2	2	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	65	12	f	D	D	D	D	D	D	D	D
33271	Machine shops	2	61	10	f	D	D	D	D	D	D	D	D
332710	Machine shops	2	61	10	f	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	–	16	4	e	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities	–	16	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing	–	25	12	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	–	22	10	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	1	12	5	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	5	53	17	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	9	4	2	e	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	5	1	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	5	1	e	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	14	6	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	–	9	4	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	–	7	3	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	r36	19	g	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	26	14	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	26	14	g	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing	–	5	3	275	16 711	130	238	6 284	31 635	9 900	41 511	454
334517	Irradiation apparatus manufacturing	–	3	3	e	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing	–	6	3	392	19 290	165	327	5 453	53 824	21 259	72 429	D
335	Electrical equipment, appliance, and component manufacturing	1	16	8	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	57	28	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	32	17	i	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	–	4	3	h	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	–	3	2	h	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	–	2	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA—Con.												
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing—Con.												
33636	Motor vehicle seating and interior trim manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	11	8	2 519	80 000	2 244	4 481	63 695	372 835	319 134	687 650	15 076
336399	All other motor vehicle parts manufacturing	–	11	8	2 519	80 000	2 244	4 481	63 695	372 835	319 134	687 650	15 076
3364	Aerospace product and parts manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
3366	Ship and boat building	–	10	6	g	D	D	D	D	D	D	D	D
33661	Ship and boat building	–	10	6	g	D	D	D	D	D	D	D	D
336612	Boat building	–	10	6	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	4	57	15	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	6	48	10	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	4	31	5	430	11 172	364	632	8 213	12 774	14 108	27 005	D
337110	Wood kitchen cabinet and countertop manufacturing	4	31	5	430	11 172	364	632	8 213	12 774	14 108	27 005	D
33712	Household and institutional furniture manufacturing	7	17	5	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	2	85	20	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	2	43	13	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	2	43	13	f	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	3	9	7	e	D	D	D	D	D	D	D	D
339115	Ophthalmic goods manufacturing	2	3	3	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	42	7	f	D	D	D	D	D	D	D	D
33995	Sign manufacturing	4	23	3	f	D	D	D	D	D	D	D	D
339950	Sign manufacturing	4	23	3	f	D	D	D	D	D	D	D	D
	Harriman, TN Micropolitan Statistical Area												
31-33	Manufacturing	–	32	13	g	D	D	D	D	D	D	D	5 083
315	Apparel manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
3151	Apparel knitting mills	–	1	1	e	D	D	D	D	D	D	D	D
31511	Hosiery and sock mills	–	1	1	e	D	D	D	D	D	D	D	D
315111	Sheer hosiery mills	–	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	5	4	518	13 176	452	922	9 752	28 616	24 938	52 555	2 345
3272	Glass and glass product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	–	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	10	3	296	9 490	249	517	6 900	21 701	41 689	67 115	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA—Con.												
	Knoxville, TN Metropolitan Statistical Area												
31-33	Manufacturing	–	765	r276	r40 131	r1 590 135	r26 720	r53 038	r879 904	r5 327 839	r5 064 609	r10 298 190	r333 841
311	Food manufacturing	–	42	19	2 625	80 588	1 375	2 907	39 936	337 420	312 945	652 726	15 768
3112	Grain and oilseed milling	–	3	2	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	9	6	565	15 669	393	836	9 410	29 945	68 956	98 358	7 020
31161	Animal slaughtering and processing	–	9	6	565	15 669	393	836	9 410	29 945	68 956	98 358	7 020
311612	Meat processed from carcasses	–	3	2	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	16	5	1 105	28 808	300	531	7 826	67 435	33 422	100 910	D
31181	Bread and bakery product manufacturing	–	16	5	1 105	28 808	300	531	7 826	67 435	33 422	100 910	D
311812	Commercial bakeries	–	5	4	1 013	27 363	242	427	6 925	65 247	32 337	97 631	D
3119	Other food manufacturing	3	7	4	e	D	D	D	D	D	D	D	D
313	Textile mills	–	10	2	357	13 488	306	640	10 266	23 435	15 439	38 724	D
3131	Fiber, yarn, and thread mills	–	3	1	e	D	D	D	D	D	D	D	D
31311	Fiber, yarn, and thread mills	–	3	1	e	D	D	D	D	D	D	D	D
313111	Yarn spinning mills	–	3	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	–	19	3	254	8 109	186	367	4 243	28 226	31 052	55 824	485
315	Apparel manufacturing	–	18	11	2 014	42 681	1 778	2 823	33 810	61 857	58 562	123 210	636
3152	Cut and sew apparel manufacturing	–	14	9	g	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	–	6	5	1 250	25 987	1 144	1 577	22 348	32 346	36 382	75 698	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31529	Other cut and sew apparel manufacturing	–	4	4	583	13 210	472	957	8 722	23 440	18 788	38 190	D
315299	All other cut and sew apparel manufacturing	–	4	4	583	13 210	472	957	8 722	23 440	18 788	38 190	D
321	Wood product manufacturing	2	31	11	1 240	32 654	999	2 049	23 111	94 442	131 860	226 152	3 828
3219	Other wood product manufacturing	2	24	8	1 020	26 079	814	1 618	18 614	81 380	115 740	196 816	3 185
32199	All other wood product manufacturing	2	9	6	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) manufacturing	2	5	4	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	14	8	1 131	48 826	896	1 919	34 498	337 435	156 131	499 209	26 238
3221	Pulp, paper, and paperboard mills	–	2	2	e	D	D	D	D	D	D	D	D
32212	Paper mills	–	2	2	e	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	–	2	2	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	2	12	6	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	2	11	6	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	4	7	3	275	11 175	210	441	7 151	22 893	36 934	59 880	931
322212	Folding paperboard box manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	97	18	1 361	40 695	875	1 686	24 356	90 913	53 755	149 110	5 537
3231	Printing and related support activities	1	97	18	1 361	40 695	875	1 686	24 356	90 913	53 755	149 110	5 537
32311	Printing	1	91	17	1 315	38 854	842	1 635	23 207	87 537	52 965	144 944	5 332
323110	Commercial lithographic printing	1	39	6	336	10 755	214	399	6 549	27 112	18 370	45 650	1 918
323112	Commercial flexographic printing	–	4	3	346	9 783	176	413	5 159	17 960	13 281	30 818	D
323113	Commercial screen printing	2	13	4	313	9 235	228	411	5 141	11 697	6 569	21 993	276

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA—Con.												
	Knoxville, TN Metropolitan Statistical Area—Con.												
325	Chemical manufacturing	–	23	12	5 942	338 812	1 576	3 631	69 404	938 343	301 446	1 239 122	23 394
3251	Basic chemical manufacturing	–	8	4	h	D	D	D	D	D	D	D	11 984
32513	Synthetic dye and pigment manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	–	2	2	h	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	–	2	2	h	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
325411	Medicinal and botanical manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	33	19	2 093	65 989	1 650	3 391	46 229	194 731	138 875	329 872	30 720
3261	Plastics product manufacturing	–	27	18	g	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	–	6	4	e	D	D	D	D	D	D	D	852
326121	Unlaminated plastics profile shape manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	19	13	1 013	30 646	744	1 527	19 346	104 584	67 906	169 351	28 429
326199	All other plastics product manufacturing	–	19	13	1 013	30 646	744	1 527	19 346	104 584	67 906	169 351	28 429
3262	Rubber product manufacturing	–	6	1	e	D	D	D	D	D	D	D	D
32621	Tire manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	46	18	1 323	48 661	1 049	2 343	34 311	177 760	98 802	278 987	7 857
3271	Clay product and refractory manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	1	28	9	622	22 783	488	1 007	16 197	112 653	51 525	164 296	6 003
331	Primary metal manufacturing	–	11	8	g	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
331111	Iron and steel mills	–	3	2	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	–	3	3	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing	–	3	3	g	D	D	D	D	D	D	D	D
331312	Primary aluminum production	–	1	1	f	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	146	45	3 420	115 617	2 740	5 265	79 829	302 142	219 366	496 143	14 358
3323	Architectural and structural metals manufacturing	3	38	15	1 051	36 028	841	1 779	24 372	87 142	61 669	124 807	3 096
33231	Plate work and fabricated structural product manufacturing	3	24	11	656	23 598	488	977	14 148	40 794	41 963	82 342	2 064
332312	Fabricated structural metal manufacturing	3	20	10	615	22 196	457	907	13 286	37 314	41 064	77 963	D
33232	Ornamental and architectural metal products manufacturing	2	14	4	395	12 430	353	802	10 224	46 348	19 706	42 465	1 032
332322	Sheet metal work manufacturing	2	7	3	340	11 089	306	714	9 282	43 387	16 057	35 794	999

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Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA—Con.												
	Knoxville, TN Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing—Con.												
3325	Hardware manufacturing	1	2	2	e	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	1	2	2	e	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	1	2	2	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	53	10	523	18 279	423	850	13 202	35 711	18 358	53 912	2 637
33271	Machine shops	3	50	9	479	16 704	389	778	12 060	33 099	17 136	50 078	2 522
332710	Machine shops	3	50	9	479	16 704	389	778	12 060	33 099	17 136	50 078	2 522
3329	Other fabricated metal product manufacturing	–	20	9	782	27 870	618	1 214	18 944	58 428	51 692	110 540	3 142
33299	All other fabricated metal product manufacturing	–	18	8	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	5	49	17	1 969	75 912	1 352	2 423	45 517	194 523	200 779	393 515	8 269
3331	Agriculture, construction, and mining machinery manufacturing	9	4	2	e	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	5	1	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	5	1	e	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	13	6	789	31 513	508	770	18 598	57 164	31 580	88 418	2 383
33399	All other general purpose machinery manufacturing	–	8	4	638	25 189	415	551	15 762	47 193	23 580	70 438	D
333999	All other miscellaneous general purpose machinery manufacturing	–	6	3	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	r33	17	r2 123	r107 573	1 035	2 057	36 540	r339 569	r291 413	r605 133	14 636
3343	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	25	13	1 374	77 945	544	1 037	22 036	269 467	203 293	446 782	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	25	13	1 374	77 945	544	1 037	22 036	269 467	203 293	446 782	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing	–	5	3	275	16 711	130	238	6 284	31 635	9 900	41 511	454
334517	Irradiation apparatus manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing	–	6	3	392	19 290	165	327	5 453	53 824	21 259	72 429	D
335	Electrical equipment, appliance, and component manufacturing	4	13	6	256	8 422	153	328	4 136	19 520	18 882	37 698	852

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA—Con.												
	Knoxville, TN Metropolitan Statistical Area—Con.												
336	Transportation equipment manufacturing	–	47	24	8 776	314 095	7 062	13 699	232 950	1 501 200	1 820 612	3 303 946	110 414
3363	Motor vehicle parts manufacturing	–	29	16	6 657	245 682	5 404	10 923	186 404	1 233 957	1 570 870	2 792 651	100 376
33632	Motor vehicle electrical and electronic equipment manufacturing	–	3	2	h	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	–	3	2	h	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	11	8	2 519	80 000	2 244	4 481	63 695	372 835	319 134	687 650	15 076
336399	All other motor vehicle parts manufacturing	–	11	8	2 519	80 000	2 244	4 481	63 695	372 835	319 134	687 650	15 076
3364	Aerospace product and parts manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3366	Ship and boat building	–	7	5	1 450	40 438	1 189	1 933	29 721	211 488	223 922	435 410	D
33661	Ship and boat building	–	7	5	1 450	40 438	1 189	1 933	29 721	211 488	223 922	435 410	D
336612	Boat building	–	7	5	1 450	40 438	1 189	1 933	29 721	211 488	223 922	435 410	D
337	Furniture and related product manufacturing	4	48	15	977	25 044	805	1 475	17 989	43 863	38 663	83 246	1 333
3371	Household and institutional furniture and kitchen cabinet manufacturing	5	39	10	718	18 275	616	1 095	13 816	30 623	28 622	59 957	994
33711	Wood kitchen cabinet and countertop manufacturing	3	28	5	420	10 873	356	616	8 008	12 243	13 740	26 106	362
337110	Wood kitchen cabinet and countertop manufacturing	3	28	5	420	10 873	356	616	8 008	12 243	13 740	26 106	362
33712	Household and institutional furniture manufacturing	7	11	5	298	7 402	260	479	5 808	18 380	14 882	33 851	632
339	Miscellaneous manufacturing	2	71	18	1 556	60 815	896	1 669	30 474	125 595	66 160	191 006	6 898
3391	Medical equipment and supplies manufacturing	2	37	12	841	19 210	550	1 052	10 408	86 725	50 287	134 753	6 062
33911	Medical equipment and supplies manufacturing	2	37	12	841	19 210	550	1 052	10 408	86 725	50 287	134 753	6 062
339113	Surgical appliance and supplies manufacturing	3	7	6	e	D	D	D	D	D	D	D	748
339115	Ophthalmic goods manufacturing	2	3	3	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	34	6	715	41 605	346	617	20 066	38 870	15 873	56 253	836
33995	Sign manufacturing	4	20	2	568	37 432	222	405	16 998	5 046	9 733	15 533	547
339950	Sign manufacturing	4	20	2	568	37 432	222	405	16 998	5 046	9 733	15 533	547
	La Follette, TN Micropolitan Statistical Area												
31-33	Manufacturing	1	46	13	1 463	41 984	1 118	2 142	27 184	112 290	108 437	222 905	D
311	Food manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
31199	All other food manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	14	3	624	20 358	404	743	10 565	29 890	49 241	78 950	D
3323	Architectural and structural metals manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
332311	Prefabricated metal building and component manufacturing	–	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA—Con.												
	Sevierville, TN Micropolitan Statistical Area												
31-33	Manufacturing	2	82	15	1 607	49 054	1 225	2 518	30 756	117 345	88 847	208 272	5 998
311	Food manufacturing	3	14	3	299	7 578	232	441	5 213	14 657	28 158	43 032	587
313	Textile mills	–	1	1	e	D	D	D	D	D	D	D	D
3132	Fabric mills	–	1	1	e	D	D	D	D	D	D	D	D
31321	Broadwoven fabric mills	–	1	1	e	D	D	D	D	D	D	D	D
313210	Broadwoven fabric mills	–	1	1	e	D	D	D	D	D	D	D	D
	MORRISTOWN-NEWPORT, TN COMBINED STATISTICAL AREA												
31-33	Manufacturing	1	253	110	20 031	606 949	15 912	30 561	421 537	2 025 853	1 980 734	3 983 484	139 445
311	Food manufacturing	4	12	7	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	5	3	2	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	5	3	2	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning	9	2	1	e	D	D	D	D	D	D	D	D
311422	Specialty canning	–	1	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	4	2	728	15 501	563	1 020	11 292	14 093	10 968	25 108	D
31161	Animal slaughtering and processing	–	4	2	728	15 501	563	1 020	11 292	14 093	10 968	25 108	D
311615	Poultry processing	–	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
311813	Frozen cakes, pies, and other pastries manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	4	7	5	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	4	5	5	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	–	41	14	1 500	35 729	1 216	2 407	24 043	87 673	139 593	226 917	D
3219	Other wood product manufacturing	–	30	13	1 407	33 127	1 141	2 253	22 376	83 278	132 493	215 359	D
32191	Millwork	1	16	8	f	D	D	D	D	D	D	D	D
321912	Cut stock, resawing lumber, and planing	–	9	3	282	7 436	243	495	5 102	9 940	24 389	35 104	D
32199	All other wood product manufacturing	–	8	5	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	2	10	9	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	2	9	8	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	–	3	3	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	3	3	3	570	17 941	509	1 085	14 739	148 523	132 658	279 387	D
322231	Die-cut paper and paperboard office supplies manufacturing	4	2	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	13	3	e	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	13	3	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	1	8	6	g	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
32522	Artificial and synthetic fibers and filaments manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
325221	Cellulosic organic fiber manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	2	4	4	e	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing	2	3	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	MORRISTOWN-NEWPORT, TN COMBINED STATISTICAL AREA—Con.												
326	Plastics and rubber products manufacturing	–	23	13	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	19	11	f	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	–	5	4	311	12 737	244	533	8 612	119 026	71 182	189 524	D
32615	Urethane and other foam product (except polystyrene) manufacturing	2	5	4	309	8 460	262	462	5 853	21 417	29 410	50 839	D
326150	Urethane and other foam product (except polystyrene) manufacturing	2	5	4	309	8 460	262	462	5 853	21 417	29 410	50 839	D
332	Fabricated metal product manufacturing	–	29	10	g	D	D	D	D	D	D	D	D
3321	Forging and stamping	–	3	1	e	D	D	D	D	D	D	D	D
33211	Forging and stamping	–	3	1	e	D	D	D	D	D	D	D	D
332111	Iron and steel forging	–	1	1	e	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	21	11	1 479	50 108	1 064	2 026	29 682	110 214	166 761	283 407	10 186
3335	Metalworking machinery manufacturing	8	4	2	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	8	4	2	f	D	D	D	D	D	D	D	D
333511	Industrial mold manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	9	3	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	8	4	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	6	3	h	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	–	1	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	–	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	40	16	i	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	35	13	i	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	1	26	12	i	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	–	3	3	h	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	–	17	5	f	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	4	4	3	g	D	D	D	D	D	D	D	D

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Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	MORRISTOWN-NEWPORT, TN COMBINED STATISTICAL AREA—Con.												
339	Miscellaneous manufacturing	1	13	4	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	9	3	e	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	–	6	2	e	D	D	D	D	D	D	D	D
	Morristown, TN Metropolitan Statistical Area												
31-33	Manufacturing	1	218	99	17 798	533 515	14 160	27 205	370 365	1 763 040	1 669 206	3 413 686	123 663
311	Food manufacturing	–	11	6	1 565	41 260	1 115	2 294	28 159	273 291	147 631	422 915	27 408
3114	Fruit and vegetable preserving and specialty food manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	–	2	1	e	D	D	D	D	D	D	D	D
311422	Specialty canning	–	1	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	4	2	728	15 501	563	1 020	11 292	14 093	10 968	25 108	D
31161	Animal slaughtering and processing	–	4	2	728	15 501	563	1 020	11 292	14 093	10 968	25 108	D
311615	Poultry processing	–	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
311813	Frozen cakes, pies, and other pastries manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	4	6	5	330	6 757	274	531	4 632	14 971	15 088	29 801	991
3149	Other textile product mills	4	5	5	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	–	34	14	1 477	35 106	1 202	2 377	23 693	86 235	138 915	224 794	10 120
3219	Other wood product manufacturing	–	26	13	1 388	32 595	1 130	2 228	22 085	81 952	132 113	213 646	9 893
32191	Millwork	1	16	8	f	D	D	D	D	D	D	D	D
321912	Cut stock, resawing lumber, and planing	–	9	3	282	7 436	243	495	5 102	9 940	24 389	35 104	D
32199	All other wood product manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	2	8	7	1 040	33 993	863	1 838	23 830	199 717	196 739	392 104	5 806
3222	Converted paper product manufacturing	2	8	7	1 040	33 993	863	1 838	23 830	199 717	196 739	392 104	5 806
32223	Stationery product manufacturing	3	3	3	570	17 941	509	1 085	14 739	148 523	132 658	279 387	D
322231	Die-cut paper and paperboard office supplies manufacturing	4	2	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	11	3	310	7 081	231	361	3 890	13 398	8 005	21 275	D
3231	Printing and related support activities	–	11	3	310	7 081	231	361	3 890	13 398	8 005	21 275	D
325	Chemical manufacturing	1	7	5	823	31 734	632	1 239	22 236	107 247	153 028	259 912	8 476
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32522	Artificial and synthetic fibers and filaments manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
325221	Cellulosic organic fiber manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	2	4	4	e	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing	2	3	3	e	D	D	D	D	D	D	D	D

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Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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NAICS code	Geographic area and industry	E[1]	All establishments[2]		All employees		Production workers			Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	MORRISTOWN-NEWPORT, TN COMBINED STATISTICAL AREA—Con.												
	Morristown, TN Metropolitan Statistical Area—Con.												
326	Plastics and rubber products manufacturing	–	19	11	802	27 022	641	1 286	17 950	154 352	109 679	263 044	5 972
3261	Plastics product manufacturing	–	17	11	f	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	–	5	4	311	12 737	244	533	8 612	119 026	71 182	189 524	D
32615	Urethane and other foam product (except polystyrene) manufacturing	2	5	4	309	8 460	262	462	5 853	21 417	29 410	50 839	D
326150	Urethane and other foam product (except polystyrene) manufacturing	2	5	4	309	8 460	262	462	5 853	21 417	29 410	50 839	D
332	Fabricated metal product manufacturing	–	26	8	730	27 738	583	1 075	20 134	69 760	130 278	202 225	4 732
3321	Forging and stamping	–	3	1	e	D	D	D	D	D	D	D	D
33211	Forging and stamping	–	3	1	e	D	D	D	D	D	D	D	D
332111	Iron and steel forging	–	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	21	11	1 479	50 108	1 064	2 026	29 682	110 214	166 761	283 407	10 186
3335	Metalworking machinery manufacturing	8	4	2	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	8	4	2	f	D	D	D	D	D	D	D	D
333511	Industrial mold manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	9	3	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	7	4	3 037	117 010	2 323	4 184	78 898	321 886	268 834	591 477	D
3363	Motor vehicle parts manufacturing	–	5	3	h	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	–	1	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	–	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	35	14	5 178	127 026	4 366	8 330	96 031	330 044	251 437	559 787	9 185
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	31	11	4 989	122 277	4 208	7 977	92 816	318 319	244 042	540 749	7 651
33712	Household and institutional furniture manufacturing	–	22	10	4 783	116 381	4 025	7 578	88 162	294 951	227 714	501 296	7 394
337121	Upholstered household furniture manufacturing	–	3	3	h	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	–	14	4	f	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	11	3	324	7 765	269	525	4 856	17 270	18 982	34 913	D
3399	Other miscellaneous manufacturing	1	7	2	284	7 065	232	449	4 278	15 906	18 631	33 191	D
33999	All other miscellaneous manufacturing	–	4	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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	MORRISTOWN-NEWPORT, TN COMBINED STATISTICAL AREA—Con.												
	Newport, TN Micropolitan Statistical Area												
31-33	Manufacturing	6	35	11	2 233	73 434	1 752	3 356	51 172	262 813	311 528	569 798	15 782
311	Food manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	9	1	1	e	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning	9	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	9	5	2	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	9	4	2	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	9	4	2	f	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA												
31-33	Manufacturing	–	1 661	566	90 186	3 623 941	68 923	138 181	2 501 493	12 000 431	20 906 814	32 854 538	D
311	Food manufacturing	–	89	37	5 838	193 429	4 234	8 784	128 071	725 804	1 051 105	1 776 313	79 847
3111	Animal food manufacturing	3	5	4	310	10 125	229	470	6 951	154 327	83 800	238 042	D
31111	Animal food manufacturing	3	5	4	310	10 125	229	470	6 951	154 327	83 800	238 042	D
3114	Fruit and vegetable preserving and specialty food manufacturing	–	4	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	17	8	2 065	52 794	1 716	3 867	38 035	119 760	398 057	516 210	9 730
31161	Animal slaughtering and processing	–	17	8	2 065	52 794	1 716	3 867	38 035	119 760	398 057	516 210	9 730
311612	Meat processed from carcasses	–	9	5	1 951	49 167	1 649	3 716	36 643	110 546	362 565	470 871	9 469
3118	Bakeries and tortilla manufacturing	1	37	12	1 302	43 706	813	1 454	24 669	158 910	89 766	250 358	14 505
31181	Bread and bakery product manufacturing	–	32	9	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	11	5	702	23 930	330	592	9 260	76 935	31 214	107 957	D
31182	Cookie, cracker, and pasta manufacturing	1	4	2	e	D	D	D	D	D	D	D	D
311822	Flour mixes and dough manufacturing from purchased flour	1	2	2	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	–	13	5	e	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	–	12	8	763	26 215	543	1 075	17 261	954 740	302 673	1 267 956	10 642
3122	Tobacco manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
31222	Tobacco product manufacturing	–	3	3	e	D	D	D	D	D	D	D	D
312229	Other tobacco product manufacturing	–	3	3	e	D	D	D	D	D	D	D	D

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Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
313	Textile mills	–	16	12	1 771	75 890	1 185	2 471	52 488	304 389	568 142	843 118	14 916
3132	Fabric mills	–	6	6	1 417	66 188	882	1 887	45 647	279 998	544 422	793 594	14 290
31323	Nonwoven fabric mills	–	4	4	g	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	–	4	4	g	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	2	8	5	e	D	D	D	D	D	D	D	D
314	Textile product mills	6	39	11	g	D	D	D	D	D	D	D	D
3141	Textile furnishings mills	9	17	2	f	D	D	D	D	D	D	D	D
31411	Carpet and rug mills	9	3	2	e	D	D	D	D	D	D	D	D
314110	Carpet and rug mills	9	3	2	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	2	22	9	f	D	D	D	D	D	D	D	D
31499	All other textile product mills	2	16	8	f	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	2	16	8	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing	2	27	9	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	1	23	8	f	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors	1	15	4	e	D	D	D	D	D	D	D	D
315211	Men's and boys' cut and sew apparel contractors	–	4	4	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	–	5	3	e	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing	2	8	3	f	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
316991	Luggage manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	3	104	25	2 570	75 944	2 120	3 932	53 995	128 792	207 089	337 141	D
3211	Sawmills and wood preservation	4	34	3	e	D	D	D	D	D	D	D	D
32111	Sawmills and wood preservation	4	34	3	e	D	D	D	D	D	D	D	D
321113	Sawmills	5	33	3	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	3	65	20	2 183	64 811	1 801	3 311	45 710	107 888	166 881	275 693	D
32191	Millwork	5	20	7	772	21 959	665	1 342	16 817	56 031	71 934	129 573	3 916
321911	Wood window and door manufacturing	9	4	4	260	6 706	209	409	4 555	30 787	34 964	65 945	1 263
321918	Other millwork (including flooring)	1	10	2	401	12 752	357	786	10 233	22 520	28 968	52 896	D
32199	All other wood product manufacturing	–	25	8	1 183	38 075	956	1 646	25 972	41 840	86 558	127 604	D
321991	Manufactured home (mobile home) manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	38	25	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	–	38	25	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	–	23	17	g	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	–	17	12	f	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing	–	5	4	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	2	10	5	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	–	4	2	e	D	D	D	D	D	D	D	D
322224	Uncoated paper and multiwall bag manufacturing	6	2	2	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
322233	Stationery, tablet, and related product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D

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	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
323	Printing and related support activities	2	258	60	i	D	D	D	D	D	D	D	D
3231	Printing and related support activities	2	258	60	i	D	D	D	D	D	D	D	D
32311	Printing	1	219	49	i	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	2	102	26	g	D	D	D	D	D	D	D	D
323111	Commercial gravure printing	–	5	2	f	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	–	7	5	383	16 327	267	571	9 855	34 276	21 046	55 288	2 094
323113	Commercial screen printing	7	31	4	623	15 791	426	801	9 933	27 341	19 942	46 999	986
323115	Digital printing	–	11	3	376	13 020	201	355	4 430	52 448	10 577	63 530	1 913
32312	Support activities for printing	2	39	11	903	34 503	624	1 360	18 673	67 147	14 804	81 843	2 631
323121	Tradebinding and related work	–	20	5	461	13 712	366	821	8 468	27 412	9 431	36 991	1 656
323122	Prepress services	4	19	6	442	20 791	258	539	10 205	39 735	5 373	44 852	975
325	Chemical manufacturing	–	59	16	g	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	8	3	e	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	–	6	2	f	D	D	D	D	D	D	D	3 186
32562	Toilet preparation manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	1	24	6	f	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing	–	13	5	f	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resins	–	8	4	428	18 238	289	594	10 771	55 843	95 321	150 517	D
326	Plastics and rubber products manufacturing	1	77	45	i	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	1	66	38	h	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	–	7	3	327	9 490	284	550	7 789	36 440	29 158	63 369	1 941
32619	Other plastics product manufacturing	–	52	30	h	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	45	28	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	11	7	2 057	99 360	1 584	3 191	69 732	193 738	193 452	386 414	D
32621	Tire manufacturing	–	5	3	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	g	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	–	6	4	e	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	–	4	4	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	2	95	28	h	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	1	13	4	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	1	13	4	g	D	D	D	D	D	D	D	D
327211	Flat glass manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	4	59	18	g	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing	4	33	8	f	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing	4	33	8	f	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing	5	16	6	f	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing	5	16	6	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	1	18	5	e	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	1	18	5	e	D	D	D	D	D	D	D	D

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	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
331	Primary metal manufacturing	–	26	19	h	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	–	6	5	627	28 822	466	1 012	21 080	148 688	185 488	331 198	15 557
33122	Rolling and drawing of purchased steel	–	5	4	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	–	4	4	f	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing	–	4	4	f	D	D	D	D	D	D	D	D
331314	Secondary smelting and alloying of aluminum	–	3	3	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	–	5	4	e	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying	–	4	3	e	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing	–	3	2	e	D	D	D	D	D	D	D	D
3315	Foundries	–	9	6	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	–	6	4	808	32 167	754	1 550	28 577	88 284	65 488	152 624	D
331522	Nonferrous (except aluminum) die-casting foundries	–	3	2	e	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	–	2	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	240	85	7 630	260 708	5 679	10 580	163 533	569 578	647 292	1 236 937	D
3321	Forging and stamping	7	11	5	e	D	D	D	D	D	D	D	D
33211	Forging and stamping	7	11	5	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	1	63	25	g	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	1	35	13	g	D	D	D	D	D	D	D	D
332311	Prefabricated metal building and component manufacturing	–	5	2	482	17 750	299	604	9 113	38 268	43 505	81 641	D
332312	Fabricated structural metal manufacturing	1	26	9	450	17 875	315	634	10 124	42 356	40 165	82 577	1 048
33232	Ornamental and architectural metal products manufacturing	1	28	12	g	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	–	5	3	e	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	2	12	5	e	D	D	D	D	D	D	D	D
332323	Ornamental and architectural metal work manufacturing	2	11	4	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	7	3	3	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	–	5	5	933	30 866	702	998	18 061	76 031	147 556	224 637	3 834
33251	Hardware manufacturing	–	5	5	933	30 866	702	998	18 061	76 031	147 556	224 637	3 834
332510	Hardware manufacturing	–	5	5	933	30 866	702	998	18 061	76 031	147 556	224 637	3 834
3326	Spring and wire product manufacturing	–	14	6	532	14 161	427	760	10 709	34 815	29 530	64 227	D
33261	Spring and wire product manufacturing	–	14	6	532	14 161	427	760	10 709	34 815	29 530	64 227	D
332618	Other fabricated wire product manufacturing	–	11	5	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	87	20	g	D	D	D	D	D	D	D	D
33271	Machine shops	3	74	13	f	D	D	D	D	D	D	D	D
332710	Machine shops	3	74	13	f	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing	–	13	7	644	25 151	489	791	15 291	59 442	48 345	108 582	4 046
332721	Precision turned product manufacturing	–	6	3	255	9 188	205	415	6 644	20 002	8 193	28 121	1 722
332722	Bolt, nut, screw, rivet, and washer manufacturing	–	7	4	389	15 963	284	376	8 647	39 440	40 152	80 461	2 324

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities	2	33	13	1 035	31 104	850	1 597	22 690	62 888	29 127	91 760	4 408
33281	Coating, engraving, heat treating, and allied activities	2	33	13	1 035	31 104	850	1 597	22 690	62 888	29 127	91 760	4 408
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers	4	14	7	606	16 902	483	833	11 107	33 511	17 654	51 136	D
332813	Electroplating, plating, polishing, anodizing, and coloring	–	13	4	321	10 132	292	602	8 977	16 618	8 320	24 861	2 211
3329	Other fabricated metal product manufacturing	2	17	6	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	2	16	5	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	131	38	h	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	2	10	5	537	20 271	378	785	12 074	77 058	74 964	153 307	D
33331	Commercial and service industry machinery manufacturing	2	10	5	537	20 271	378	785	12 074	77 058	74 964	153 307	D
333319	Other commercial and service industry machinery manufacturing	2	9	4	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	8	2	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	8	2	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	4	1	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	2	67	20	g	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	2	67	20	g	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing	4	42	11	f	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing	1	8	3	e	D	D	D	D	D	D	D	D
333518	Other metalworking machinery manufacturing	1	4	2	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	21	8	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	–	14	3	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	49	17	i	D	D	D	D	D	D	D	40 827
3341	Computer and peripheral equipment manufacturing	–	5	2	h	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	–	5	2	h	D	D	D	D	D	D	D	D
334111	Electronic computer manufacturing	–	2	1	h	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	–	5	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	5	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	5	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	–	7	4	462	20 932	186	354	3 873	45 927	37 773	83 762	D
33441	Semiconductor and other electronic component manufacturing	–	7	4	462	20 932	186	354	3 873	45 927	37 773	83 762	D
334418	Printed circuit assembly (electronic assembly) manufacturing	–	2	2	e	D	D	D	D	D	D	D	D

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	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
334	Computer and electronic product manufacturing—Con.												
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	13	5	671	27 310	429	787	12 503	55 736	44 569	100 309	2 243
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	13	5	671	27 310	429	787	12 503	55 736	44 569	100 309	2 243
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	–	4	2	e	D	D	D	D	D	D	D	D
3346	Manufacturing and reproducing magnetic and optical media	2	15	4	290	9 080	224	327	6 447	18 751	11 473	30 297	D
33461	Manufacturing and reproducing magnetic and optical media	2	15	4	290	9 080	224	327	6 447	18 751	11 473	30 297	D
334612	Prerecorded compact disc (except software), tape, and record reproducing	1	12	4	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	35	20	i	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	6	5	4 272	115 096	3 718	7 249	92 745	300 415	604 650	910 992	D
33521	Small electrical appliance manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	4	3	h	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	12	8	1 392	50 375	1 050	2 092	32 896	140 885	135 428	276 440	3 745
33531	Electrical equipment manufacturing	–	12	8	1 392	50 375	1 050	2 092	32 896	140 885	135 428	276 440	3 745
335311	Power, distribution, and specialty transformer manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing	–	3	3	e	D	D	D	D	D	D	D	693
3359	Other electrical equipment and component manufacturing	–	10	4	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	87	52	j	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	–	5	4	j	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	–	4	3	j	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	–	3	2	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	1	13	7	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	1	13	7	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	53	32	i	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	–	6	3	530	20 279	371	881	8 016	53 587	84 463	137 818	D
336312	Gasoline engine and engine parts manufacturing	–	5	2	e	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	–	3	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing—Con.												
33636	Motor vehicle seating and interior trim manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	–	10	6	1 557	56 057	1 208	2 362	41 037	132 758	200 750	331 303	55 410
336370	Motor vehicle metal stamping	–	10	6	1 557	56 057	1 208	2 362	41 037	132 758	200 750	331 303	55 410
33639	Other motor vehicle parts manufacturing	–	19	13	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	19	13	g	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3366	Ship and boat building	2	9	6	g	D	D	D	D	D	D	D	D
33661	Ship and boat building	2	9	6	g	D	D	D	D	D	D	D	D
336611	Ship building and repairing	9	2	1	e	D	D	D	D	D	D	D	D
336612	Boat building	1	7	5	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	119	27	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	91	12	g	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	2	61	4	f	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing	2	61	4	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	3	30	8	f	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	–	13	2	440	13 489	393	864	11 247	26 591	18 513	44 930	D
337127	Institutional furniture manufacturing	6	8	5	315	11 340	222	448	6 528	24 081	23 019	47 098	D
3372	Office furniture (including fixtures) manufacturing	–	22	11	1 804	56 217	1 369	2 843	34 871	120 153	103 735	224 698	5 762
33721	Office furniture (including fixtures) manufacturing	–	22	11	1 804	56 217	1 369	2 843	34 871	120 153	103 735	224 698	5 762
337212	Custom architectural woodwork and millwork manufacturing	4	12	6	e	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	–	7	4	1 235	37 622	977	2 115	24 807	79 993	80 641	160 982	D
339	Miscellaneous manufacturing	2	139	27	2 943	93 130	2 093	4 119	57 094	304 177	225 241	538 112	D
3391	Medical equipment and supplies manufacturing	8	49	6	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	8	49	6	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	90	21	h	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
339944	Carbon paper and inked ribbon manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing	1	37	7	f	D	D	D	D	D	D	D	1 082
339950	Sign manufacturing	1	37	7	f	D	D	D	D	D	D	D	1 082
33999	All other miscellaneous manufacturing	–	34	11	g	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
339992	Musical instrument manufacturing	–	10	3	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing	3	19	5	e	D	D	D	D	D	D	D	D

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	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
	Columbia, TN Micropolitan Statistical Area												
31-33	Manufacturing	–	77	30	9 093	599 721	7 631	17 593	501 837	1 659 273	2 315 808	3 965 812	D
332	Fabricated metal product manufacturing	5	13	7	326	12 800	254	498	8 484	24 205	22 001	54 092	D
336	Transportation equipment manufacturing	–	5	3	i	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
	Nashville-Davidson--Murfreesboro, TN Metropolitan Statistical Area												
31-33	Manufacturing	–	1 584	536	81 093	3 024 220	61 292	120 588	1 999 656	10 341 158	18 591 006	28 888 726	1 093 897
311	Food manufacturing	–	89	37	5 838	193 429	4 234	8 784	128 071	725 804	1 051 105	1 776 313	79 847
3111	Animal food manufacturing	3	5	4	310	10 125	229	470	6 951	154 327	83 800	238 042	D
31111	Animal food manufacturing	3	5	4	310	10 125	229	470	6 951	154 327	83 800	238 042	D
3114	Fruit and vegetable preserving and specialty food manufacturing	–	4	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	17	8	2 065	52 794	1 716	3 867	38 035	119 760	398 057	516 210	9 730
31161	Animal slaughtering and processing	–	17	8	2 065	52 794	1 716	3 867	38 035	119 760	398 057	516 210	9 730
311612	Meat processed from carcasses	–	9	5	1 951	49 167	1 649	3 716	36 643	110 546	362 565	470 871	9 469
3118	Bakeries and tortilla manufacturing	1	37	12	1 302	43 706	813	1 454	24 669	158 910	89 766	250 358	14 505
31181	Bread and bakery product manufacturing	–	32	9	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	11	5	702	23 930	330	592	9 260	76 935	31 214	107 957	D
31182	Cookie, cracker, and pasta manufacturing	1	4	2	e	D	D	D	D	D	D	D	D
311822	Flour mixes and dough manufacturing from purchased flour	1	2	2	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	–	13	5	e	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	–	12	8	763	26 215	543	1 075	17 261	954 740	302 673	1 267 956	10 642
3122	Tobacco manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
31222	Tobacco product manufacturing	–	3	3	e	D	D	D	D	D	D	D	D
312229	Other tobacco product manufacturing	–	3	3	e	D	D	D	D	D	D	D	D
313	Textile mills	–	16	12	1 771	75 890	1 185	2 471	52 488	304 389	568 142	843 118	14 916
3132	Fabric mills	–	6	6	1 417	66 188	882	1 887	45 647	279 998	544 422	793 594	14 290
31323	Nonwoven fabric mills	–	4	4	g	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	–	4	4	g	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	2	8	5	e	D	D	D	D	D	D	D	D
314	Textile product mills	7	36	10	g	D	D	D	D	D	D	D	10 053
3141	Textile furnishings mills	9	17	2	f	D	D	D	D	D	D	D	D
31411	Carpet and rug mills	9	3	2	e	D	D	D	D	D	D	D	D
314110	Carpet and rug mills	9	3	2	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	3	19	8	703	19 586	570	1 157	13 692	36 569	29 152	65 504	D
31499	All other textile product mills	4	13	7	612	15 849	520	1 055	12 137	30 495	27 485	57 281	D
314999	All other miscellaneous textile product mills	4	13	7	612	15 849	520	1 055	12 137	30 495	27 485	57 281	D

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	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
	Nashville-Davidson--Murfreesboro, TN Metropolitan Statistical Area—Con.												
315	Apparel manufacturing	3	24	7	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	2	20	6	f	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors	1	14	4	e	D	D	D	D	D	D	D	D
315211	Men's and boys' cut and sew apparel contractors	–	4	4	e	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing	2	8	3	f	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
316991	Luggage manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	3	98	23	2 494	73 519	2 059	3 801	52 288	124 194	200 390	325 842	D
3211	Sawmills and wood preservation	5	32	2	e	D	D	D	D	D	D	D	D
32111	Sawmills and wood preservation	5	32	2	e	D	D	D	D	D	D	D	D
321113	Sawmills	5	31	2	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	2	62	19	2 147	63 744	1 772	3 256	45 023	105 901	164 213	271 038	D
32191	Millwork	5	20	7	772	21 959	665	1 342	16 817	56 031	71 934	129 573	3 916
321911	Wood window and door manufacturing	9	4	4	260	6 706	209	409	4 555	30 787	34 964	65 945	1 263
321918	Other millwork (including flooring)	1	10	2	401	12 752	357	786	10 233	22 520	28 968	52 896	D
32199	All other wood product manufacturing	–	22	7	1 147	37 008	927	1 591	25 285	39 853	83 890	122 949	1 404
321991	Manufactured home (mobile home) manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	34	22	2 275	80 355	1 853	3 853	55 886	187 262	339 707	528 262	30 475
3222	Converted paper product manufacturing	–	34	22	2 275	80 355	1 853	3 853	55 886	187 262	339 707	528 262	30 475
32221	Paperboard container manufacturing	–	21	15	1 156	43 990	890	1 969	27 832	132 440	224 046	354 558	27 228
322211	Corrugated and solid fiber box manufacturing	–	15	10	741	29 306	529	1 144	16 422	86 018	147 977	235 609	D
322212	Folding paperboard box manufacturing	–	5	4	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	3	8	4	702	23 737	624	1 304	19 316	42 456	69 337	112 551	2 696
322222	Coated and laminated paper manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
322233	Stationery, tablet, and related product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	254	60	6 270	221 935	4 586	8 330	138 825	496 173	287 023	783 010	36 787
3231	Printing and related support activities	2	254	60	6 270	221 935	4 586	8 330	138 825	496 173	287 023	783 010	36 787
32311	Printing	1	215	49	5 367	187 432	3 962	6 970	120 152	429 026	272 219	701 167	34 156
323110	Commercial lithographic printing	2	99	26	2 454	85 524	1 879	2 765	56 435	170 018	99 346	269 577	14 557
323111	Commercial gravure printing	–	5	2	f	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	–	7	5	383	16 327	267	571	9 855	34 276	21 046	55 288	2 094
323113	Commercial screen printing	7	31	4	623	15 791	426	801	9 933	27 341	19 942	46 999	986
323115	Digital printing	–	11	3	376	13 020	201	355	4 430	52 448	10 577	63 530	1 913
32312	Support activities for printing	2	39	11	903	34 503	624	1 360	18 673	67 147	14 804	81 843	2 631
323121	Tradebinding and related work	–	20	5	461	13 712	366	821	8 468	27 412	9 431	36 991	1 656
323122	Prepress services	4	19	6	442	20 791	258	539	10 205	39 735	5 373	44 852	975
325	Chemical manufacturing	1	55	14	1 931	77 910	1 248	2 588	44 342	226 899	326 114	546 032	12 754
3256	Soap, cleaning compound, and toilet preparation manufacturing	–	6	2	f	D	D	D	D	D	D	D	3 186
32562	Toilet preparation manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	–	2	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
	Nashville-Davidson--Murfreesboro, TN Metropolitan Statistical Area—Con.												
325	Chemical manufacturing—Con.												
3259	Other chemical product and preparation manufacturing	1	23	6	601	24 175	393	792	13 707	72 126	121 595	193 426	5 878
32599	All other chemical product and preparation manufacturing	–	12	5	502	19 894	340	678	11 553	58 714	96 062	154 129	D
325991	Custom compounding of purchased resins	–	8	4	428	18 238	289	594	10 771	55 843	95 321	150 517	D
326	Plastics and rubber products manufacturing	1	75	43	6 078	223 763	4 945	9 904	160 073	551 846	547 542	1 096 168	27 918
3261	Plastics product manufacturing	1	64	36	4 021	124 403	3 361	6 713	90 341	358 108	354 090	709 754	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	–	7	3	327	9 490	284	550	7 789	36 440	29 158	63 369	1 941
32619	Other plastics product manufacturing	1	51	29	3 289	99 372	2 764	5 490	72 511	246 691	248 436	494 895	11 887
326199	All other plastics product manufacturing	1	44	27	3 197	96 704	2 707	5 374	71 239	240 341	244 667	484 806	11 648
3262	Rubber product manufacturing	–	11	7	2 057	99 360	1 584	3 191	69 732	193 738	193 452	386 414	D
32621	Tire manufacturing	–	5	3	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	g	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	–	6	4	e	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	–	4	4	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	2	86	25	2 923	132 519	2 355	4 718	99 112	300 533	250 920	548 841	13 388
3272	Glass and glass product manufacturing	–	12	3	1 266	74 737	1 090	2 152	60 542	113 994	92 425	205 881	5 454
32721	Glass and glass product manufacturing	–	12	3	1 266	74 737	1 090	2 152	60 542	113 994	92 425	205 881	5 454
327211	Flat glass manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	4	52	17	1 248	45 289	959	1 953	30 489	142 351	134 585	276 007	6 465
32732	Ready-mix concrete manufacturing	4	30	8	526	19 028	440	910	14 922	49 197	71 982	120 838	2 384
327320	Ready-mix concrete manufacturing	4	30	8	526	19 028	440	910	14 922	49 197	71 982	120 838	2 384
32739	Other concrete product manufacturing	5	14	5	490	17 173	368	765	11 052	62 800	46 212	108 868	3 124
327390	Other concrete product manufacturing	5	14	5	490	17 173	368	765	11 052	62 800	46 212	108 868	3 124
3279	Other nonmetallic mineral product manufacturing	1	17	4	298	9 062	210	424	5 437	33 668	20 007	53 600	1 344
32799	All other nonmetallic mineral product manufacturing	1	17	4	298	9 062	210	424	5 437	33 668	20 007	53 600	1 344
331	Primary metal manufacturing	–	24	17	2 519	100 174	2 048	4 444	76 623	347 757	522 959	871 281	28 491
3312	Steel product manufacturing from purchased steel	–	6	5	627	28 822	466	1 012	21 080	148 688	185 488	331 198	15 557
33122	Rolling and drawing of purchased steel	–	5	4	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	–	2	2	f	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing	–	2	2	f	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	–	5	4	e	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying	–	4	3	e	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing	–	3	2	e	D	D	D	D	D	D	D	D
3315	Foundries	–	9	6	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	–	6	4	808	32 167	754	1 550	28 577	88 284	65 488	152 624	D
331522	Nonferrous (except aluminum) die-casting foundries	–	3	2	e	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	–	2	1	f	D	D	D	D	D	D	D	D

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	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
	Nashville-Davidson--Murfreesboro, TN Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing	2	227	78	7 304	247 908	5 425	10 082	155 049	545 373	625 291	1 182 845	25 075
3321	Forging and stamping	6	10	4	317	11 894	229	507	6 616	26 744	62 253	90 604	1 209
33211	Forging and stamping	6	10	4	317	11 894	229	507	6 616	26 744	62 253	90 604	1 209
3323	Architectural and structural metals manufacturing	1	60	23	2 074	72 839	1 420	2 855	41 086	170 224	205 373	375 558	5 429
33231	Plate work and fabricated structural product manufacturing	1	34	13	1 056	40 155	711	1 384	22 422	85 529	93 259	178 065	2 731
332311	Prefabricated metal building and component manufacturing	–	5	2	482	17 750	299	604	9 113	38 268	43 505	81 641	D
332312	Fabricated structural metal manufacturing	1	26	9	450	17 875	315	634	10 124	42 356	40 165	82 577	1 048
33232	Ornamental and architectural metal products manufacturing	1	26	10	1 018	32 684	709	1 471	18 664	84 695	112 114	197 493	2 698
332321	Metal window and door manufacturing	–	5	3	e	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	2	11	4	324	11 179	238	519	7 316	22 288	30 356	52 439	D
3324	Boiler, tank, and shipping container manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	–	5	5	933	30 866	702	998	18 061	76 031	147 556	224 637	3 834
33251	Hardware manufacturing	–	5	5	933	30 866	702	998	18 061	76 031	147 556	224 637	3 834
332510	Hardware manufacturing	–	5	5	933	30 866	702	998	18 061	76 031	147 556	224 637	3 834
3326	Spring and wire product manufacturing	–	14	6	532	14 161	427	760	10 709	34 815	29 530	64 227	D
33261	Spring and wire product manufacturing	–	14	6	532	14 161	427	760	10 709	34 815	29 530	64 227	D
332618	Other fabricated wire product manufacturing	–	11	5	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	82	18	1 229	45 773	930	1 619	29 851	101 828	66 573	169 421	5 741
33271	Machine shops	3	69	11	585	20 622	441	828	14 560	42 386	18 228	60 839	1 695
332710	Machine shops	3	69	11	585	20 622	441	828	14 560	42 386	18 228	60 839	1 695
33272	Turned product and screw, nut, and bolt manufacturing	–	13	7	644	25 151	489	791	15 291	59 442	48 345	108 582	4 046
332721	Precision turned product manufacturing	–	6	3	255	9 188	205	415	6 644	20 002	8 193	28 121	1 722
332722	Bolt, nut, screw, rivet, and washer manufacturing	–	7	4	389	15 963	284	376	8 647	39 440	40 152	80 461	2 324
3328	Coating, engraving, heat treating, and allied activities	2	33	13	1 035	31 104	850	1 597	22 690	62 888	29 127	91 760	4 408
33281	Coating, engraving, heat treating, and allied activities	2	33	13	1 035	31 104	850	1 597	22 690	62 888	29 127	91 760	4 408
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers	4	14	7	606	16 902	483	833	11 107	33 511	17 654	51 136	D
332813	Electroplating, plating, polishing, anodizing, and coloring	–	13	4	321	10 132	292	602	8 977	16 618	8 320	24 861	2 211
3329	Other fabricated metal product manufacturing	1	14	5	435	14 597	326	652	9 081	41 249	32 404	71 837	962
33299	All other fabricated metal product manufacturing	1	14	5	435	14 597	326	652	9 081	41 249	32 404	71 837	962
333	Machinery manufacturing	1	121	36	4 640	201 134	3 126	6 704	118 305	374 888	428 682	791 643	26 488
3333	Commercial and service industry machinery manufacturing	2	10	5	537	20 271	378	785	12 074	77 058	74 964	153 307	D
33331	Commercial and service industry machinery manufacturing	2	10	5	537	20 271	378	785	12 074	77 058	74 964	153 307	D
333319	Other commercial and service industry machinery manufacturing	2	9	4	f	D	D	D	D	D	D	D	D

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Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	Nashville-Davidson--Murfreesboro, TN Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	8	2	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	8	2	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	4	1	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	2	64	19	1 997	99 112	1 199	2 447	50 207	129 947	68 914	203 480	5 765
33351	Metalworking machinery manufacturing	2	64	19	1 997	99 112	1 199	2 447	50 207	129 947	68 914	203 480	5 765
333514	Special die and tool, die set, jig, and fixture manufacturing	4	41	11	706	31 999	550	1 046	23 088	52 740	16 232	67 886	2 014
333515	Cutting tool and machine tool accessory manufacturing	1	7	3	488	24 019	283	635	10 633	37 698	10 370	48 265	749
333518	Other metalworking machinery manufacturing	1	4	2	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	19	7	687	25 424	325	630	9 893	59 432	115 158	173 891	5 528
33399	All other general purpose machinery manufacturing	–	13	3	298	9 926	129	231	3 028	39 008	33 603	71 928	D
334	Computer and electronic product manufacturing	–	49	17	i	D	D	D	D	D	D	D	40 827
3341	Computer and peripheral equipment manufacturing	–	5	2	h	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	–	5	2	h	D	D	D	D	D	D	D	D
334111	Electronic computer manufacturing	–	2	1	h	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	–	5	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	5	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	5	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	–	7	4	462	20 932	186	354	3 873	45 927	37 773	83 762	D
33441	Semiconductor and other electronic component manufacturing	–	7	4	462	20 932	186	354	3 873	45 927	37 773	83 762	D
334418	Printed circuit assembly (electronic assembly) manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	13	5	671	27 310	429	787	12 503	55 736	44 569	100 309	2 243
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	13	5	671	27 310	429	787	12 503	55 736	44 569	100 309	2 243
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	–	4	2	e	D	D	D	D	D	D	D	D
3346	Manufacturing and reproducing magnetic and optical media	2	15	4	290	9 080	224	327	6 447	18 751	11 473	30 297	D
33461	Manufacturing and reproducing magnetic and optical media	2	15	4	290	9 080	224	327	6 447	18 751	11 473	30 297	D
334612	Prerecorded compact disc (except software), tape, and record reproducing	1	12	4	e	D	D	D	D	D	D	D	D

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335	Electrical equipment, appliance, and component manufacturing	–	33	19	6 179	179 786	5 203	9 963	136 131	477 620	765 589	1 249 548	18 347
3352	Household appliance manufacturing	–	6	5	4 272	115 096	3 718	7 249	92 745	300 415	604 650	910 992	D
33521	Small electrical appliance manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	4	3	h	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	12	8	1 392	50 375	1 050	2 092	32 896	140 885	135 428	276 440	3 745
33531	Electrical equipment manufacturing	–	12	8	1 392	50 375	1 050	2 092	32 896	140 885	135 428	276 440	3 745
335311	Power, distribution, and specialty transformer manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing	–	3	3	e	D	D	D	D	D	D	D	693
3359	Other electrical equipment and component manufacturing	1	8	3	289	7 645	239	422	5 460	22 339	14 040	36 267	804
336	Transportation equipment manufacturing	–	82	49	16 097	720 534	12 251	24 047	493 915	1 093 410	6 264 907	7 323 690	688 821
3361	Motor vehicle manufacturing	–	4	3	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	–	3	2	i	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	–	3	2	i	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	1	11	6	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	1	11	6	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	52	31	5 675	196 638	4 279	8 754	123 032	611 560	958 284	1 562 113	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	–	6	3	530	20 279	371	881	8 016	53 587	84 463	137 818	D
336312	Gasoline engine and engine parts manufacturing	–	5	2	e	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	–	10	6	1 557	56 057	1 208	2 362	41 037	132 758	200 750	331 303	55 410
336370	Motor vehicle metal stamping	–	10	6	1 557	56 057	1 208	2 362	41 037	132 758	200 750	331 303	55 410
33639	Other motor vehicle parts manufacturing	–	18	12	1 701	52 200	1 258	2 625	28 964	186 465	241 071	425 624	10 263
336399	All other motor vehicle parts manufacturing	–	18	12	1 701	52 200	1 258	2 625	28 964	186 465	241 071	425 624	10 263
3364	Aerospace product and parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA—Con.												
	Nashville-Davidson--Murfreesboro, TN Metropolitan Statistical Area—Con.												
336	Transportation equipment manufacturing—Con.												
3366	Ship and boat building	2	8	6	1 232	35 870	1 000	1 990	23 989	84 621	99 997	184 618	D
33661	Ship and boat building	2	8	6	1 232	35 870	1 000	1 990	23 989	84 621	99 997	184 618	D
336611	Ship building and repairing	9	2	1	e	D	D	D	D	D	D	D	D
336612	Boat building	1	6	5	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	117	27	3 354	103 094	2 599	5 315	66 627	214 758	196 219	411 401	12 668
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	89	12	1 340	39 975	1 070	2 194	27 922	77 572	73 011	150 201	6 431
33711	Wood kitchen cabinet and countertop manufacturing	2	60	4	510	13 570	399	773	9 001	21 656	26 074	47 524	543
337110	Wood kitchen cabinet and countertop manufacturing	2	60	4	510	13 570	399	773	9 001	21 656	26 074	47 524	543
33712	Household and institutional furniture manufacturing	3	29	8	830	26 405	671	1 421	18 921	55 916	46 937	102 677	5 888
337122	Nonupholstered wood household furniture manufacturing	–	13	2	440	13 489	393	864	11 247	26 591	18 513	44 930	D
337127	Institutional furniture manufacturing	6	8	5	315	11 340	222	448	6 528	24 081	23 019	47 098	D
3372	Office furniture (including fixtures) manufacturing	–	22	11	1 804	56 217	1 369	2 843	34 871	120 153	103 735	224 698	5 762
33721	Office furniture (including fixtures) manufacturing	–	22	11	1 804	56 217	1 369	2 843	34 871	120 153	103 735	224 698	5 762
337212	Custom architectural woodwork and millwork manufacturing	4	12	6	e	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	–	7	4	1 235	37 622	977	2 115	24 807	79 993	80 641	160 982	D
339	Miscellaneous manufacturing	2	132	27	2 911	92 122	2 073	4 083	56 624	301 824	224 282	534 695	7 300
3391	Medical equipment and supplies manufacturing	8	44	6	407	13 101	284	465	7 649	67 200	34 700	101 340	3 378
33911	Medical equipment and supplies manufacturing	8	44	6	407	13 101	284	465	7 649	67 200	34 700	101 340	3 378
3399	Other miscellaneous manufacturing	1	88	21	2 504	79 021	1 789	3 618	48 975	234 624	189 582	433 355	3 922
33994	Office supplies (except paper) manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
339944	Carbon paper and inked ribbon manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing	1	36	7	553	16 374	378	707	9 032	34 331	42 944	78 389	1 082
339950	Sign manufacturing	1	36	7	553	16 374	378	707	9 032	34 331	42 944	78 389	1 082
33999	All other miscellaneous manufacturing	–	33	11	1 429	45 375	1 151	2 397	31 754	134 661	98 012	240 742	2 018
339991	Gasket, packing, and sealing device manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
339992	Musical instrument manufacturing	–	10	3	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing	3	18	5	314	10 382	217	385	5 431	20 569	14 081	36 861	374
	BROWNSVILLE, TN MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	–	22	10	1 979	62 208	1 616	3 364	42 342	108 920	201 252	304 855	8 840
326	Plastics and rubber products manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
326122	Plastics pipe and pipe fitting manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

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	BROWNSVILLE, TN MICROPOLITAN STATISTICAL AREA—Con.												
333	Machinery manufacturing	–	4	2	e	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
	CLARKSVILLE, TN-KY METROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	1	178	70	13 651	446 961	10 911	22 425	318 882	1 575 997	1 491 754	3 055 381	124 599
311	Food manufacturing	–	10	3	275	9 112	190	384	5 378	61 817	81 296	142 972	1 565
314	Textile product mills	–	2	1	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	–	2	1	e	D	D	D	D	D	D	D	D
31499	All other textile product mills	–	2	1	e	D	D	D	D	D	D	D	D
314992	Tire cord and tire fabric mills	–	1	1	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	–	4	4	1 228	22 336	1 179	2 282	20 650	74 394	72 435	147 613	D
3152	Cut and sew apparel manufacturing	–	4	4	1 228	22 336	1 179	2 282	20 650	74 394	72 435	147 613	D
31522	Men's and boys' cut and sew apparel manufacturing	–	3	3	g	D	D	D	D	D	D	D	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	–	17	4	e	D	D	D	D	D	D	D	D
3211	Sawmills and wood preservation	–	13	4	295	9 305	265	533	8 180	16 105	31 207	49 485	1 060
32111	Sawmills and wood preservation	–	13	4	295	9 305	265	533	8 180	16 105	31 207	49 485	1 060
321113	Sawmills	–	13	4	295	9 305	265	533	8 180	16 105	31 207	49 485	1 060
322	Paper manufacturing	2	3	3	566	13 773	514	1 044	11 580	41 286	48 349	90 015	D
3222	Converted paper product manufacturing	2	3	3	566	13 773	514	1 044	11 580	41 286	48 349	90 015	D
32221	Paperboard container manufacturing	2	3	3	566	13 773	514	1 044	11 580	41 286	48 349	90 015	D
322215	Nonfolding sanitary food container manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	19	4	1 846	58 950	1 562	3 458	45 421	167 140	68 650	234 067	16 445
3231	Printing and related support activities	–	19	4	1 846	58 950	1 562	3 458	45 421	167 140	68 650	234 067	16 445
32311	Printing	–	19	4	1 846	58 950	1 562	3 458	45 421	167 140	68 650	234 067	16 445
323110	Commercial lithographic printing	–	5	1	f	D	D	D	D	D	D	D	D
323111	Commercial gravure printing	–	2	1	e	D	D	D	D	D	D	D	D
323117	Books printing	–	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	4	7	4	e	D	D	D	D	D	D	D	1 017
327	Nonmetallic mineral product manufacturing	–	12	6	538	22 000	381	831	13 933	71 952	55 718	128 038	3 709
331	Primary metal manufacturing	–	r5	r3	r353	r15 642	r266	r500	r10 443	r50 354	r43 564	r94 810	r1 778
332	Fabricated metal product manufacturing	r–	r31	r12	r1 177	r38 235	r913	r1 896	r25 770	r116 661	r95 551	r212 956	r8 099
3326	Spring and wire product manufacturing	r1	r7	r5	r588	r18 096	r509	r1 028	r13 273	r51 331	r47 100	r98 153	r2 442
33261	Spring and wire product manufacturing	r1	r7	r5	r588	r18 096	r509	r1 028	r13 273	r51 331	r47 100	r98 153	r2 442
332611	Spring (heavy gauge) manufacturing	–	r1	r1	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	–	11	3	370	11 959	268	589	8 253	39 497	32 065	72 187	D
33272	Turned product and screw, nut, and bolt manufacturing	–	2	2	e	D	D	D	D	D	D	D	D

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Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	CLARKSVILLE, TN-KY METROPOLITAN STATISTICAL AREA—Con.												
333	Machinery manufacturing	–	10	2	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	5	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	4	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	2	14	12	3 559	125 240	2 708	5 874	83 862	328 274	578 249	898 210	73 445
3362	Motor vehicle body and trailer manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	3	11	9	2 649	85 482	2 083	4 418	63 790	283 099	396 367	678 064	D
33634	Motor vehicle brake system manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	–	2	2	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	–	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	–	13	3	386	11 689	303	566	8 165	32 975	22 555	55 196	1 106
3399	Other miscellaneous manufacturing	–	8	3	371	11 224	291	543	7 831	31 922	22 255	53 843	1 067
	COOKEVILLE, TN MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	1	157	54	9 633	253 095	7 687	14 585	173 116	870 912	727 867	1 596 419	26 215
311	Food manufacturing	–	6	2	h	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	–	1	1	g	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate	–	1	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	2	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	2	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing	–	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	12	7	647	16 985	520	912	10 869	66 431	45 693	112 975	1 245
3261	Plastics product manufacturing	–	12	7	647	16 985	520	912	10 869	66 431	45 693	112 975	1 245
32615	Urethane and other foam product (except polystyrene) manufacturing	–	4	4	365	9 110	302	474	5 593	40 447	29 673	70 327	D
326150	Urethane and other foam product (except polystyrene) manufacturing	–	4	4	365	9 110	302	474	5 593	40 447	29 673	70 327	D
32619	Other plastics product manufacturing	–	7	3	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	7	3	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	9	4	3	283	9 893	229	459	6 744	20 732	29 886	50 618	898

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	COOKEVILLE, TN MICROPOLITAN STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing	–	29	7	741	27 814	566	1 188	18 139	61 807	52 849	109 389	2 053
3329	Other fabricated metal product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	3	18	5	260	9 899	168	285	4 280	15 416	14 281	29 322	657
335	Electrical equipment, appliance, and component manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	8	6	2 443	62 495	1 974	3 384	45 946	327 710	231 257	558 622	10 877
3363	Motor vehicle parts manufacturing	1	8	6	2 443	62 495	1 974	3 384	45 946	327 710	231 257	558 622	10 877
33635	Motor vehicle transmission and power train parts manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	1	4	4	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	1	4	4	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	14	5	340	9 460	238	516	5 026	16 191	17 705	33 748	D
3372	Office furniture (including fixtures) manufacturing	–	6	4	295	8 234	199	442	4 107	13 770	15 376	28 998	D
33721	Office furniture (including fixtures) manufacturing	–	6	4	295	8 234	199	442	4 107	13 770	15 376	28 998	D
339	Miscellaneous manufacturing	5	15	7	1 007	27 563	772	1 647	17 600	99 653	39 973	138 811	2 069
3399	Other miscellaneous manufacturing	5	12	7	f	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
339943	Marking device manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	–	6	4	298	9 316	253	584	7 476	38 443	17 961	55 706	772
	CROSSVILLE, TN MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	–	55	16	2 094	64 424	1 686	3 239	45 786	211 788	295 403	514 952	15 373
311	Food manufacturing	–	6	3	451	14 176	371	735	11 004	37 755	48 123	85 321	D
3118	Bakeries and tortilla manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	–	6	4	604	21 090	432	793	11 636	84 918	103 415	184 918	3 379
3271	Clay product and refractory manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
327122	Ceramic wall and floor tile manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	9	3	309	8 407	280	474	7 380	21 376	67 365	100 182	D
337	Furniture and related product manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	–	1	1	e	D	D	D	D	D	D	D	D

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	DYERSBURG, TN MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	–	42	20	5 111	176 483	4 060	8 633	125 777	615 351	524 593	1 136 232	75 426
311	Food manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	1	1	f	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	–	1	1	f	D	D	D	D	D	D	D	D
314	Textile product mills	–	3	1	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	–	3	1	e	D	D	D	D	D	D	D	D
31499	All other textile product mills	–	2	1	e	D	D	D	D	D	D	D	D
314992	Tire cord and tire fabric mills	–	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	3	1	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	3	1	g	D	D	D	D	D	D	D	D
32311	Printing	–	3	1	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	–	3	1	g	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	6	5	1 133	36 277	902	2 001	24 657	110 880	152 999	260 092	D
3261	Plastics product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	1	3	3	f	D	D	D	D	D	D	D	2 201
32629	Other rubber product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	6	3	496	15 115	413	863	11 632	36 533	22 293	59 128	713
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	–	4	2	e	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, and washer manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, and other inductor manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
	GREENEVILLE, TN MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	–	107	45	7 195	210 802	5 711	11 666	140 208	562 812	835 054	1 436 062	62 609
322	Paper manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
323	Printing and related support activities	5	14	5	262	8 033	188	365	5 079	19 663	12 102	31 855	598
3231	Printing and related support activities	5	14	5	262	8 033	188	365	5 079	19 663	12 102	31 855	598
326	Plastics and rubber products manufacturing	–	5	4	301	9 118	236	505	5 994	27 440	16 608	43 236	2 145
327	Nonmetallic mineral product manufacturing	–	4	3	296	10 170	226	485	7 498	30 196	16 367	46 389	2 158

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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	GREENEVILLE, TN MICROPOLITAN STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing	–	28	10	734	23 567	526	1 179	13 447	44 577	68 674	112 717	2 581
333	Machinery manufacturing	–	14	8	1 806	57 374	1 544	3 054	43 591	184 713	244 397	459 931	D
3331	Agriculture, construction, and mining machinery manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
333411	Air purification equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	5	4	588	25 911	401	881	15 852	60 959	42 399	103 974	3 165
33399	All other general purpose machinery manufacturing	–	4	3	f	D	D	D	D	D	D	D	3 165
333996	Fluid power pump and motor manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	5	4	862	23 996	719	1 627	18 011	80 669	66 420	148 078	D
3363	Motor vehicle parts manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
	JACKSON, TN METROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	–	147	66	12 020	464 949	9 299	19 611	303 401	1 989 407	1 919 965	3 932 918	126 727
311	Food manufacturing	–	8	5	1 994	85 540	1 714	3 627	66 784	838 092	347 892	1 203 079	D
3114	Fruit and vegetable preserving and specialty food manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
321	Wood product manufacturing	–	10	4	638	19 869	565	1 183	15 885	38 841	44 473	84 270	D
3219	Other wood product manufacturing	–	4	1	f	D	D	D	D	D	D	D	D
32191	Millwork	–	1	1	f	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	–	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

U.S. Census Bureau, 2002 Economic Census

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	JACKSON, TN METROPOLITAN STATISTICAL AREA—Con.												
322	Paper manufacturing	–	6	5	974	32 786	861	1 865	26 109	90 023	148 555	241 243	3 844
3222	Converted paper product manufacturing	–	6	5	974	32 786	861	1 865	26 109	90 023	148 555	241 243	3 844
32221	Paperboard container manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
322224	Uncoated paper and multiwall bag manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	5	4	255	10 077	182	404	6 577	41 058	72 619	113 662	4 584
326	Plastics and rubber products manufacturing	–	12	6	545	17 992	443	947	12 287	61 286	63 936	125 479	2 739
3261	Plastics product manufacturing	–	9	6	506	16 890	417	892	11 710	59 289	60 628	120 701	D
32619	Other plastics product manufacturing	–	6	4	389	12 295	316	669	7 937	40 844	34 277	75 689	2 309
326199	All other plastics product manufacturing	–	5	4	e	D	D	D	D	D	D	D	2 309
327	Nonmetallic mineral product manufacturing	3	13	6	586	20 985	484	1 009	15 781	91 281	59 010	149 604	2 927
331	Primary metal manufacturing	–	4	4	804	36 531	625	1 269	23 882	108 146	221 140	331 875	D
3311	Iron and steel mills and ferroalloy manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
331111	Iron and steel mills	–	1	1	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	–	2	2	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing	–	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	31	13	1 745	59 311	1 440	2 949	42 875	139 391	127 115	267 066	6 151
3323	Architectural and structural metals manufacturing	–	6	4	444	17 717	364	648	13 344	39 015	40 291	80 895	727
3329	Other fabricated metal product manufacturing	–	5	3	725	23 829	627	1 369	17 940	67 588	61 450	128 676	D
33291	Metal valve manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	10	5	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
333991	Power-driven handtool manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	6	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	5	2	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	2	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	LAWRENCEBURG, TN MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	–	65	20	3 748	117 789	3 217	6 968	89 736	314 037	666 552	1 001 778	13 617
322	Paper manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	–	5	2	f	D	D	D	D	D	D	D	2 307
3272	Glass and glass product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	–	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	22	5	465	13 532	397	758	10 099	46 567	45 647	90 516	1 946
333	Machinery manufacturing	–	8	3	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
	MCMINNVILLE, TN MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	2	65	26	4 351	162 187	3 613	6 161	116 126	418 815	608 167	1 036 640	21 016
321	Wood product manufacturing	–	9	5	395	10 841	305	613	6 853	31 881	28 949	59 776	508
3219	Other wood product manufacturing	–	6	4	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	5	2	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32621	Tire manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	13	6	333	9 462	270	455	5 853	21 879	14 751	36 937	1 536
333	Machinery manufacturing	7	19	8	920	31 962	691	1 032	13 742	101 354	222 006	332 494	3 576
3331	Agriculture, construction, and mining machinery manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	15	4	e	D	D	D	D	D	D	D	1 078
33351	Metalworking machinery manufacturing	1	15	4	e	D	D	D	D	D	D	D	1 078
335	Electrical equipment, appliance, and component manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

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	MCMINNVILLE, TN MICROPOLITAN STATISTICAL AREA—Con.												
336	Transportation equipment manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	MEMPHIS, TN-MS-AR METROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	1	r1 104	r393	r46 851	r1 763 622	r32 778	r64 797	r1 019 082	r6 663 121	r8 162 424	r14 764 059	r569 853
311	Food manufacturing	–	69	32	5 300	211 718	3 534	6 635	126 912	1 378 533	1 171 161	2 573 504	55 250
3112	Grain and oilseed milling	–	9	7	g	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing	–	5	5	g	D	D	D	D	D	D	D	D
311221	Wet corn milling	–	1	1	e	D	D	D	D	D	D	D	D
311222	Soybean processing	–	1	1	e	D	D	D	D	D	D	D	D
311225	Fats and oils refining and blending	–	3	3	e	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	–	5	2	f	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	–	8	5	700	26 042	590	1 099	19 681	304 980	116 390	421 427	3 914
31141	Frozen food manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	–	3	2	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	–	4	2	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	7	8	4	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	16	4	1 180	41 976	394	633	12 689	107 527	30 777	138 411	1 740
31181	Bread and bakery product manufacturing	–	14	3	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	4	3	g	D	D	D	D	D	D	D	D
3119	Other food manufacturing	–	10	3	379	13 783	268	369	6 899	66 331	51 241	117 332	D
312	Beverage and tobacco product manufacturing	–	11	6	1 127	51 514	864	1 812	39 107	410 891	423 471	829 980	D
3121	Beverage manufacturing	–	10	5	f	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	–	8	4	e	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
31212	Breweries	–	1	1	f	D	D	D	D	D	D	D	D
312120	Breweries	–	1	1	f	D	D	D	D	D	D	D	D
314	Textile product mills	–	23	7	887	20 866	764	1 647	16 279	42 143	71 667	112 537	9 663
3141	Textile furnishings mills	–	10	3	619	14 229	543	1 188	11 622	17 098	47 536	63 617	D
31412	Curtain and linen mills	–	10	3	619	14 229	543	1 188	11 622	17 098	47 536	63 617	D
314129	Other household textile product mills	–	3	2	f	D	D	D	D	D	D	D	D
3149	Other textile product mills	–	13	4	268	6 637	221	459	4 657	25 045	24 131	48 920	D
315	Apparel manufacturing	3	15	4	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	3	11	4	f	D	D	D	D	D	D	D	D
31523	Women's and girls' cut and sew apparel manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
315239	Women's and girls' cut and sew other outerwear manufacturing	–	1	1	e	D	D	D	D	D	D	D	D

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	MEMPHIS, TN-MS-AR METROPOLITAN STATISTICAL AREA—Con.												
321	Wood product manufacturing	1	54	23	1 509	38 107	1 170	2 194	22 878	73 503	96 932	172 859	D
3219	Other wood product manufacturing	1	46	19	1 328	32 537	1 015	1 891	18 633	61 454	76 612	139 669	D
32191	Millwork	2	17	6	624	13 063	525	838	8 444	17 377	37 205	54 542	D
321918	Other millwork (including flooring)	–	12	4	502	9 715	445	677	6 600	11 857	28 333	40 134	D
32192	Wood container and pallet manufacturing	1	17	8	431	11 518	308	665	6 621	28 764	21 518	50 566	D
321920	Wood container and pallet manufacturing	1	17	8	431	11 518	308	665	6 621	28 764	21 518	50 566	D
32199	All other wood product manufacturing	–	12	5	273	7 956	182	388	3 568	15 313	17 889	34 561	D
322	Paper manufacturing	–	30	21	2 573	107 850	1 797	3 718	57 990	225 438	329 572	554 938	18 334
3221	Pulp, paper, and paperboard mills	1	2	2	f	D	D	D	D	D	D	D	D
32211	Pulp mills	–	1	1	e	D	D	D	D	D	D	D	D
322110	Pulp mills	–	1	1	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	–	28	19	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	–	17	11	964	38 670	733	1 623	23 708	84 463	152 756	236 305	D
322211	Corrugated and solid fiber box manufacturing	–	13	9	769	30 137	591	1 323	18 392	69 365	138 467	206 906	D
32222	Paper bag and coated and treated paper manufacturing	–	5	4	876	31 571	680	1 337	19 853	79 740	98 650	177 662	D
322222	Coated and laminated paper manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	164	35	6 009	214 810	4 421	8 474	136 625	478 598	358 194	834 707	29 198
3231	Printing and related support activities	–	164	35	6 009	214 810	4 421	8 474	136 625	478 598	358 194	834 707	29 198
32311	Printing	–	145	31	5 809	205 704	4 282	8 187	131 790	461 753	354 849	814 369	28 843
323110	Commercial lithographic printing	–	69	22	4 670	161 474	3 476	6 520	103 111	321 957	224 710	544 695	23 140
323111	Commercial gravure printing	–	1	1	e	D	D	D	D	D	D	D	D
324	Petroleum and coal products manufacturing	–	14	4	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	–	14	4	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries	–	1	1	e	D	D	D	D	D	D	D	D
324110	Petroleum refineries	–	1	1	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	2	84	42	4 810	220 529	3 001	5 866	112 622	916 810	1 133 203	2 057 489	D
3251	Basic chemical manufacturing	–	17	7	1 494	81 158	807	1 666	38 754	330 178	465 646	800 015	D
32518	Other basic inorganic chemical manufacturing	–	4	3	674	45 533	246	468	13 693	207 905	145 810	352 959	D
325188	All other basic inorganic chemical manufacturing	–	4	3	674	45 533	246	468	13 693	207 905	145 810	352 959	D
32519	Other basic organic chemical manufacturing	–	6	4	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	–	4	4	f	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	1	7	5	459	15 357	359	747	10 315	38 762	87 735	126 764	D
32532	Pesticide and other agricultural chemical manufacturing	3	5	4	e	D	D	D	D	D	D	D	735
325320	Pesticide and other agricultural chemical manufacturing	3	5	4	e	D	D	D	D	D	D	D	735
3254	Pharmaceutical and medicine manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	5	19	7	899	37 405	465	847	12 716	136 606	232 183	368 391	D
32551	Paint and coating manufacturing	6	13	4	775	30 451	414	734	10 704	112 610	205 429	317 578	D
325510	Paint and coating manufacturing	6	13	4	775	30 451	414	734	10 704	112 610	205 429	317 578	D

See footnotes at end of table.

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	MEMPHIS, TN-MS-AR METROPOLITAN STATISTICAL AREA—Con.												
325	Chemical manufacturing—Con.												
3256	Soap, cleaning compound, and toilet preparation manufacturing	4	19	10	909	40 726	582	943	19 824	171 215	137 450	308 443	D
32561	Soap and cleaning compound manufacturing	5	13	5	f	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	7	6	3	413	20 988	225	426	9 112	92 006	58 521	151 179	D
32562	Toilet preparation manufacturing	2	6	5	e	D	D	D	D	D	D	D	998
325620	Toilet preparation manufacturing	2	6	5	e	D	D	D	D	D	D	D	998
3259	Other chemical product and preparation manufacturing	–	14	7	440	19 399	367	753	15 667	86 591	104 538	191 856	5 724
32599	All other chemical product and preparation manufacturing	–	10	5	e	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing	–	5	3	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	43	29	2 657	94 830	1 903	4 007	56 187	371 906	348 824	727 866	12 866
3261	Plastics product manufacturing	1	36	28	2 556	91 890	1 843	3 903	54 991	366 020	340 697	714 336	12 819
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	1	5	5	539	25 345	346	755	11 670	134 191	102 904	245 641	2 508
32616	Plastics bottle manufacturing	–	5	5	294	9 489	269	572	7 958	39 235	30 753	69 236	1 915
326160	Plastics bottle manufacturing	–	5	5	294	9 489	269	572	7 958	39 235	30 753	69 236	1 915
32619	Other plastics product manufacturing	1	17	13	1 288	43 543	925	1 949	27 380	146 233	168 776	315 162	5 786
326199	All other plastics product manufacturing	1	14	12	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	3	73	25	1 593	51 981	1 288	2 489	37 805	142 434	112 747	254 526	13 496
3271	Clay product and refractory manufacturing	4	7	5	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	3	41	12	771	23 388	609	1 086	16 980	68 309	54 168	121 944	8 470
32732	Ready-mix concrete manufacturing	4	29	9	514	15 931	429	745	12 349	46 856	44 078	91 268	6 546
327320	Ready-mix concrete manufacturing	4	29	9	514	15 931	429	745	12 349	46 856	44 078	91 268	6 546
3279	Other nonmetallic mineral product manufacturing	1	20	7	419	16 097	358	734	11 960	53 295	34 811	88 023	2 264
32799	All other nonmetallic mineral product manufacturing	1	20	7	419	16 097	358	734	11 960	53 295	34 811	88 023	2 264
331	Primary metal manufacturing	1	17	7	1 100	35 565	943	1 859	26 257	105 662	129 925	236 068	D
3312	Steel product manufacturing from purchased steel	2	6	4	661	22 722	583	1 195	17 576	69 913	77 635	147 183	2 919
33121	Iron and steel pipe and tube manufacturing from purchased steel	–	1	1	e	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	–	1	1	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	3	5	3	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	–	3	2	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing	–	3	2	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	189	68	5 259	194 070	3 893	7 956	122 645	498 299	467 130	953 277	71 203
3321	Forging and stamping	–	8	3	287	11 578	242	398	8 990	11 281	60 675	71 306	D
33211	Forging and stamping	–	8	3	287	11 578	242	398	8 990	11 281	60 675	71 306	D

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Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	MEMPHIS, TN-MS-AR METROPOLITAN STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing	1	69	34	2 619	94 619	1 834	3 842	52 732	219 838	193 624	407 299	30 417
33231	Plate work and fabricated structural product manufacturing	1	24	14	779	28 753	542	1 165	16 141	62 989	76 021	136 411	1 972
332312	Fabricated structural metal manufacturing	2	19	11	624	23 037	422	926	12 477	48 332	53 317	98 985	D
33232	Ornamental and architectural metal products manufacturing	1	45	20	1 840	65 866	1 292	2 677	36 591	156 849	117 603	270 888	28 445
332321	Metal window and door manufacturing	2	13	7	1 060	36 372	757	1 559	20 957	55 374	54 673	108 617	D
332322	Sheet metal work manufacturing	–	21	10	507	16 686	363	745	9 430	49 150	36 856	82 161	22 281
332323	Ornamental and architectural metal work manufacturing	–	11	3	273	12 808	172	373	6 204	52 325	26 074	80 110	D
3324	Boiler, tank, and shipping container manufacturing	–	13	8	650	24 255	504	1 044	16 837	91 298	124 049	215 886	2 806
33242	Metal tank (heavy gauge) manufacturing	–	6	5	e	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing	–	6	5	e	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	–	5	3	297	13 381	258	590	10 668	63 074	111 388	174 047	2 229
332431	Metal can manufacturing	–	3	3	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	53	9	700	31 426	509	1 026	21 094	75 674	31 170	101 007	4 187
33271	Machine shops	1	47	7	621	28 083	453	903	19 076	70 430	29 740	94 190	3 223
332710	Machine shops	1	47	7	621	28 083	453	903	19 076	70 430	29 740	94 190	3 223
3329	Other fabricated metal product manufacturing	1	17	8	629	21 511	534	1 096	16 236	72 883	36 292	108 963	2 285
33291	Metal valve manufacturing	1	3	3	332	9 839	294	613	8 280	53 987	17 511	70 926	D
33299	All other fabricated metal product manufacturing	3	14	5	297	11 672	240	483	7 956	18 896	18 781	38 037	D
332999	All other miscellaneous fabricated metal product manufacturing	3	11	5	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	70	26	4 394	150 651	3 395	6 805	100 848	564 965	628 397	1 196 040	13 451
3333	Commercial and service industry machinery manufacturing	–	5	3	e	D	D	D	D	D	D	D	665
33331	Commercial and service industry machinery manufacturing	–	5	3	e	D	D	D	D	D	D	D	665
333313	Office machinery manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	15	10	g	D	D	D	D	D	D	D	5 391
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	15	10	g	D	D	D	D	D	D	D	5 391
333411	Air purification equipment manufacturing	4	8	5	e	D	D	D	D	D	D	D	1 277
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	6	5	g	D	D	D	D	D	D	D	4 114
3336	Engine, turbine, and power transmission equipment manufacturing	–	5	2	e	D	D	D	D	D	D	D	699
33361	Engine, turbine, and power transmission equipment manufacturing	–	5	2	e	D	D	D	D	D	D	D	699
333618	Other engine equipment manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	20	10	960	43 512	590	1 243	21 370	88 767	144 997	233 631	6 292
33392	Material handling equipment manufacturing	–	11	7	764	35 412	470	988	17 564	65 817	126 465	189 235	5 641
333922	Conveyor and conveying equipment manufacturing	–	9	5	f	D	D	D	D	D	D	D	D

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Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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NAICS code	Geographic area and industry	E[1]	All establishments[2]		All employees		Production workers			Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
			Total	With 20 employees or more	Number[3]	Payroll ($1,000)	Number[4]	Hours (1,000)	Wages ($1,000)				
	MEMPHIS, TN-MS-AR METROPOLITAN STATISTICAL AREA—Con.												
335	Electrical equipment, appliance, and component manufacturing	2	r22	r11	r1 842	r55 900	r1 380	r2 558	r35 695	r158 457	r257 408	r391 454	r8 802
3351	Electric lighting equipment manufacturing	r6	r5	r4	r658	r19 084	r490	r936	r12 570	r53 538	r66 102	r120 054	D
33512	Lighting fixture manufacturing	r6	r5	r4	r658	r19 084	r490	r936	r12 570	r53 538	r66 102	r120 054	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing	6	4	3	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	2	13	4	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	2	13	4	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	31	11	796	26 671	509	1 094	13 384	70 315	89 370	160 748	6 432
3363	Motor vehicle parts manufacturing	–	16	6	390	13 635	240	495	5 793	48 436	50 673	99 517	4 270
337	Furniture and related product manufacturing	2	67	17	1 431	37 417	1 165	2 143	24 825	79 138	67 164	146 134	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	46	11	1 054	26 644	875	1 558	17 964	56 711	48 023	104 873	D
33711	Wood kitchen cabinet and countertop manufacturing	4	31	5	275	6 804	222	406	4 707	12 375	9 820	22 236	D
337110	Wood kitchen cabinet and countertop manufacturing	4	31	5	275	6 804	222	406	4 707	12 375	9 820	22 236	D
33712	Household and institutional furniture manufacturing	1	15	6	779	19 840	653	1 152	13 257	44 336	38 203	82 637	D
337124	Metal household furniture manufacturing	–	4	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	–	103	21	4 103	186 108	1 689	3 382	44 653	713 186	245 402	921 307	70 178
3391	Medical equipment and supplies manufacturing	–	49	11	3 337	165 362	1 084	2 298	31 253	666 520	181 443	810 641	67 807
33911	Medical equipment and supplies manufacturing	–	49	11	3 337	165 362	1 084	2 298	31 253	666 520	181 443	810 641	67 807
339113	Surgical appliance and supplies manufacturing	–	13	5	2 964	151 274	861	1 900	25 043	636 604	170 567	769 753	66 471
3399	Other miscellaneous manufacturing	4	54	10	766	20 746	605	1 084	13 400	46 666	63 959	110 666	2 371
33995	Sign manufacturing	3	30	5	269	8 703	198	383	5 400	18 056	13 545	31 699	307
339950	Sign manufacturing	3	30	5	269	8 703	198	383	5 400	18 056	13 545	31 699	307
	PARIS, TN MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	1	52	15	2 644	65 303	2 104	3 875	45 156	163 403	210 818	385 399	6 255
321	Wood product manufacturing	–	9	3	329	6 516	268	437	4 773	20 795	20 632	40 993	380
3219	Other wood product manufacturing	–	4	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	3	3	895	21 160	716	1 355	15 150	41 253	48 958	90 370	2 827
3262	Rubber product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	–	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	8	3	295	7 987	229	388	4 896	29 763	58 364	97 684	291
337	Furniture and related product manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	–	1	1	e	D	D	D	D	D	D	D	D

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	SHELBYVILLE, TN MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	–	57	19	4 477	145 060	3 852	7 586	112 346	386 773	733 793	1 131 065	26 684
311	Food manufacturing	–	3	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	1	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing	–	1	1	g	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	4	2	e	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	4	2	e	D	D	D	D	D	D	D	D
32311	Printing	–	4	2	e	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	–	2	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	5	4	703	26 204	586	1 184	20 033	74 648	98 254	172 346	8 129
3261	Plastics product manufacturing	–	5	4	703	26 204	586	1 184	20 033	74 648	98 254	172 346	8 129
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	2	9	6	1 079	26 939	986	1 763	23 257	75 507	55 569	135 221	1 826
3399	Other miscellaneous manufacturing	2	8	6	g	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	2	5	4	f	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	TULLAHOMA, TN MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	–	119	56	8 013	269 234	6 343	13 243	186 165	1 481 959	1 018 910	2 494 681	75 668
312	Beverage and tobacco product manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
31214	Distilleries	–	3	2	e	D	D	D	D	D	D	D	D
312140	Distilleries	–	3	2	e	D	D	D	D	D	D	D	D
314	Textile product mills	–	2	2	e	D	D	D	D	D	D	D	D
3141	Textile furnishings mills	–	1	1	e	D	D	D	D	D	D	D	D
31411	Carpet and rug mills	–	1	1	e	D	D	D	D	D	D	D	D
314110	Carpet and rug mills	–	1	1	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	1	6	4	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	–	5	3	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	–	2	1	e	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	3	3	398	11 736	306	574	7 791	29 459	18 849	48 682	D
3222	Converted paper product manufacturing	–	3	3	398	11 736	306	574	7 791	29 459	18 849	48 682	D

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Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

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NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	TULLAHOMA, TN MICROPOLITAN STATISTICAL AREA—Con.												
326	Plastics and rubber products manufacturing	–	10	7	1 172	36 539	888	1 828	23 625	99 894	63 593	162 128	8 072
3261	Plastics product manufacturing	–	8	6	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	5	4	424	13 028	342	773	8 745	30 479	29 224	59 860	1 496
326199	All other plastics product manufacturing	1	4	4	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	–	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	18	8	480	18 422	391	884	12 668	38 006	16 818	53 909	1 631
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	–	11	4	253	11 771	194	425	7 491	20 924	5 783	25 977	1 335
33271	Machine shops	–	11	4	253	11 771	194	425	7 491	20 924	5 783	25 977	1 335
332710	Machine shops	–	11	4	253	11 771	194	425	7 491	20 924	5 783	25 977	1 335
333	Machinery manufacturing	–	6	3	629	13 179	503	982	8 621	147 119	119 469	267 755	808
3339	Other general purpose machinery manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333991	Power-driven handtool manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	6	3	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	–	4	2	e	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	–	4	2	e	D	D	D	D	D	D	D	D
334417	Electronic connector manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	10	9	1 686	71 075	1 419	3 159	55 370	189 042	208 837	402 720	36 069
3363	Motor vehicle parts manufacturing	1	3	3	g	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	1	3	2	e	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	1	3	2	e	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	1	3	2	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	–	19	5	959	32 204	767	1 657	24 029	151 008	114 799	272 025	4 124
3399	Other miscellaneous manufacturing	–	13	5	941	31 760	753	1 637	23 714	150 271	114 640	271 136	D
33992	Sporting and athletic goods manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
339920	Sporting and athletic goods manufacturing	–	4	3	e	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	–	5	2	f	D	D	D	D	D	D	D	903
339995	Burial casket manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 2. **Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**—Con.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	UNION CITY, TN-KY MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	1	51	26	8 008	285 275	6 881	13 681	228 119	693 491	711 290	1 407 291	51 864
311	Food manufacturing	7	8	4	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	8	4	3	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	8	4	3	g	D	D	D	D	D	D	D	D
311615	Poultry processing	9	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	4	4	h	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	2	2	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	2	2	h	D	D	D	D	D	D	D	D
32621	Tire manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	h	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	–	3	1	e	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	–	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	10	5	748	23 720	633	1 307	18 183	49 513	65 720	115 916	D
3323	Architectural and structural metals manufacturing	–	4	4	685	21 279	581	1 211	16 360	44 475	63 327	108 492	D
33232	Ornamental and architectural metal products manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	5	3	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	e	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing	–	1	1	e	D	D	D	D	D	D	D	D

[1]Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

[2]Includes establishments with payroll at any time during the year.

[3]Industries with 250 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 250 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: e–250 to 499 employees; f–500 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.

[4]Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. **Industry Statistics for Counties: 2002**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	ANDERSON												
31-33	Manufacturing	–	118	49	10 493	493 755	4 930	10 068	170 241	1 181 542	466 543	1 641 668	D
325	Chemical manufacturing	–	6	5	i	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	2	2	h	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	27	11	619	24 662	513	1 030	18 876	48 372	36 023	84 106	D
334	Computer and electronic product manufacturing	–	13	5	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	10	4	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	10	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	9	7	1 547	57 940	1 245	2 297	40 816	166 577	120 322	280 322	D
3363	Motor vehicle parts manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	4	4	908	30 253	785	1 469	23 810	111 221	94 844	205 178	D
336399	All other motor vehicle parts manufacturing	–	4	4	908	30 253	785	1 469	23 810	111 221	94 844	205 178	D
3364	Aerospace product and parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	BEDFORD												
31-33	Manufacturing	–	57	19	4 477	145 060	3 852	7 586	112 346	386 773	733 793	1 131 065	26 684
311	Food manufacturing	–	3	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	1	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing	–	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	5	4	703	26 204	586	1 184	20 033	74 648	98 254	172 346	8 129
3261	Plastics product manufacturing	–	5	4	703	26 204	586	1 184	20 033	74 648	98 254	172 346	8 129
336	Transportation equipment manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	2	9	6	1 079	26 939	986	1 763	23 257	75 507	55 569	135 221	1 826
3399	Other miscellaneous manufacturing	2	8	6	g	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	2	5	4	f	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	BENTON												
31-33	Manufacturing	–	19	8	802	24 493	648	1 270	17 113	64 154	33 588	99 943	3 894
	BLEDSOE												
31-33	Manufacturing	–	13	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	3	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 3. **Industry Statistics for Counties: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	BLOUNT												
31-33	Manufacturing	–	117	34	8 060	348 841	6 154	12 947	247 134	1 391 478	2 202 435	3 546 903	156 524
326	Plastics and rubber products manufacturing	–	6	3	559	18 227	462	1 036	12 685	76 498	46 335	119 839	D
3261	Plastics product manufacturing	–	6	3	559	18 227	462	1 036	12 685	76 498	46 335	119 839	D
32619	Other plastics product manufacturing	–	6	3	559	18 227	462	1 036	12 685	76 498	46 335	119 839	D
326199	All other plastics product manufacturing	–	6	3	559	18 227	462	1 036	12 685	76 498	46 335	119 839	D
331	Primary metal manufacturing	–	4	2	g	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	–	2	2	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing	–	2	2	g	D	D	D	D	D	D	D	D
331312	Primary aluminum production	–	1	1	f	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	10	3	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	5	2	h	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
	BRADLEY												
31-33	Manufacturing	–	128	50	10 765	389 827	8 637	16 973	271 751	2 154 458	1 439 809	3 601 405	D
311	Food manufacturing	–	10	4	1 303	65 204	1 105	2 425	53 873	648 031	322 134	975 324	D
3113	Sugar and confectionery product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	–	1	1	f	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate	–	1	1	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing	3	5	3	g	D	D	D	D	D	D	D	D
3151	Apparel knitting mills	–	3	1	f	D	D	D	D	D	D	D	D
31511	Hosiery and sock mills	–	2	1	f	D	D	D	D	D	D	D	D
315119	Other hosiery and sock mills	–	1	1	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	2	5	4	581	21 945	467	1 022	15 039	54 897	101 889	157 699	D
3222	Converted paper product manufacturing	2	4	4	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	2	4	4	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	4	4	3 095	109 804	2 554	4 877	78 904	512 181	381 354	900 373	D
3352	Household appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33591	Battery manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335912	Primary battery manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	22	5	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	17	3	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	–	13	3	1 220	27 080	1 133	2 331	21 376	52 876	61 894	112 375	D
337121	Upholstered household furniture manufacturing	–	10	3	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 3. **Industry Statistics for Counties: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	CAMPBELL												
31-33	Manufacturing	1	46	13	1 463	41 984	1 118	2 142	27 184	112 290	108 437	222 905	D
332	Fabricated metal product manufacturing	–	14	3	624	20 358	404	743	10 565	29 890	49 241	78 950	D
	CARROLL												
31-33	Manufacturing	–	44	17	2 155	60 205	1 746	3 653	43 323	144 570	264 062	419 071	16 682
332	Fabricated metal product manufacturing	4	9	3	542	14 873	413	854	10 065	37 830	16 603	55 188	D
	CARTER												
31-33	Manufacturing	2	43	15	1 812	58 379	1 493	2 989	41 611	160 607	93 728	254 132	4 793
	CHEATHAM												
31-33	Manufacturing	–	39	6	837	24 962	712	1 226	18 379	62 729	58 833	120 841	D
	CHESTER												
31-33	Manufacturing	–	20	7	534	15 345	404	771	9 038	34 997	33 476	68 507	945
	CLAIBORNE												
31-33	Manufacturing	–	38	15	3 268	70 341	2 773	5 362	55 663	222 821	173 331	393 481	3 658
337	Furniture and related product manufacturing	–	8	4	2 038	45 032	1 748	3 283	37 414	112 771	101 136	212 149	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	8	4	2 038	45 032	1 748	3 283	37 414	112 771	101 136	212 149	D
33712	Household and institutional furniture manufacturing	–	6	4	g	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
	COCKE												
31-33	Manufacturing	6	35	11	2 233	73 434	1 752	3 356	51 172	262 813	311 528	569 798	15 782
337	Furniture and related product manufacturing	9	5	2	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	9	4	2	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	9	4	2	f	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
	COFFEE												
31-33	Manufacturing	–	67	37	i	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	7	6	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	2	2	g	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	–	11	4	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	–	8	4	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
339995	Burial casket manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	CROCKETT												
31-33	Manufacturing	–	21	6	1 036	29 854	810	1 558	17 797	142 578	71 595	214 805	7 552
311	Food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, and vegetable manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	CUMBERLAND												
31-33	Manufacturing	–	55	16	2 094	64 424	1 686	3 239	45 786	211 788	295 403	514 952	15 373
327	Nonmetallic mineral product manufacturing	–	6	4	604	21 090	432	793	11 636	84 918	103 415	184 918	3 379

See footnotes at end of table.

Table 3. **Industry Statistics for Counties: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	DAVIDSON												
31-33	Manufacturing	1	666	231	29 151	1 087 120	21 523	43 152	706 965	3 617 798	3 581 199	7 144 412	150 656
311	Food manufacturing	–	51	23	3 608	109 397	2 456	5 460	63 562	275 737	659 357	933 603	D
3115	Dairy product manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	8	5	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	8	5	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	–	4	2	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	1	22	7	539	17 381	248	501	6 198	46 133	24 852	70 981	D
31181	Bread and bakery product manufacturing	1	19	6	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
313	Textile mills	–	7	6	g	D	D	D	D	D	D	D	D
3132	Fabric mills	–	2	2	g	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills	–	2	2	g	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	–	2	2	g	D	D	D	D	D	D	D	D
314	Textile product mills	7	21	7	g	D	D	D	D	D	D	D	D
3149	Other textile product mills	4	14	6	f	D	D	D	D	D	D	D	D
31499	All other textile product mills	4	10	5	f	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	4	10	5	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	–	15	5	547	17 695	483	1 062	14 311	33 504	35 259	70 448	3 179
3219	Other wood product manufacturing	–	12	4	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	2	15	8	647	21 896	509	1 133	14 817	56 347	111 985	171 595	2 347
3222	Converted paper product manufacturing	2	15	8	647	21 896	509	1 133	14 817	56 347	111 985	171 595	2 347
323	Printing and related support activities	3	163	44	3 828	139 620	2 750	5 065	86 078	265 264	135 390	398 819	D
3231	Printing and related support activities	3	163	44	3 828	139 620	2 750	5 065	86 078	265 264	135 390	398 819	D
32311	Printing	2	130	34	3 031	109 725	2 180	3 825	68 900	207 275	121 446	326 976	D
323110	Commercial lithographic printing	2	67	22	1 851	69 807	1 389	2 269	46 058	133 918	73 242	206 768	D
32312	Support activities for printing	3	33	10	797	29 895	570	1 240	17 178	57 989	13 944	71 843	D
325	Chemical manufacturing	1	28	9	f	D	D	D	D	D	D	D	8 978
326	Plastics and rubber products manufacturing	2	26	14	1 404	49 835	1 109	2 296	31 170	154 009	173 433	326 092	10 046
3261	Plastics product manufacturing	2	20	10	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	12	7	789	25 755	650	1 398	17 605	53 193	67 031	120 376	D
326199	All other plastics product manufacturing	1	11	6	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	2	29	10	1 866	96 212	1 520	3 089	74 358	183 308	155 619	338 645	9 332
3272	Glass and glass product manufacturing	–	6	3	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	6	3	g	D	D	D	D	D	D	D	D
327211	Flat glass manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	6	16	6	544	19 183	400	865	12 627	59 471	58 529	118 340	3 317
332	Fabricated metal product manufacturing	3	75	28	2 378	83 938	1 760	3 393	53 699	155 026	164 115	330 469	6 797
3323	Architectural and structural metals manufacturing	1	22	9	620	22 986	449	930	13 562	52 037	58 584	110 467	848
3324	Boiler, tank, and shipping container manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	7	2	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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	DAVIDSON—Con.												
333	Machinery manufacturing	1	38	12	2 475	112 937	1 771	3 975	70 107	179 429	223 134	389 186	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	16	7	985	53 472	512	1 084	23 054	55 229	44 848	104 183	2 909
33351	Metalworking machinery manufacturing	1	16	7	985	53 472	512	1 084	23 054	55 229	44 848	104 183	2 909
333518	Other metalworking machinery manufacturing	1	2	2	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	2	26	8	f	D	D	D	D	D	D	D	1 044
335	Electrical equipment, appliance, and component manufacturing	–	14	7	2 277	73 273	1 730	3 345	52 343	227 235	203 440	434 699	D
3352	Household appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	6	4	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	6	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	20	8	h	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	41	14	910	28 176	667	1 347	16 693	53 178	55 710	108 323	2 315
339	Miscellaneous manufacturing	3	71	16	1 495	43 316	1 090	2 094	25 826	187 199	85 305	275 300	4 510
3399	Other miscellaneous manufacturing	1	45	11	1 188	32 960	892	1 726	20 267	125 506	52 116	180 967	1 717
33999	All other miscellaneous manufacturing	1	20	6	783	20 716	632	1 236	13 956	92 917	27 402	124 276	D
339992	Musical instrument manufacturing	–	7	3	f	D	D	D	D	D	D	D	D
	DECATUR												
31-33	Manufacturing	1	33	11	791	17 835	597	1 095	11 366	69 495	65 316	135 605	4 901
	DEKALB												
31-33	Manufacturing	3	25	13	2 640	121 810	2 235	4 480	100 182	227 020	217 410	444 982	24 103
336	Transportation equipment manufacturing	2	3	3	g	D	D	D	D	D	D	D	17 629
3363	Motor vehicle parts manufacturing	2	3	3	g	D	D	D	D	D	D	D	17 629
33634	Motor vehicle brake system manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	3	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	3	2	2	f	D	D	D	D	D	D	D	D

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	DICKSON												
31-33	Manufacturing	–	54	23	4 022	133 084	3 296	6 978	96 788	393 029	450 124	841 397	72 517
323	Printing and related support activities	–	5	2	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	5	2	f	D	D	D	D	D	D	D	D
32311	Printing	–	5	2	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
3315	Foundries	–	2	2	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	–	2	2	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	–	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	9	5	647	19 714	455	935	10 893	53 491	73 035	127 413	2 065
337	Furniture and related product manufacturing	–	4	1	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	DYER												
31-33	Manufacturing	–	42	20	5 111	176 483	4 060	8 633	125 777	615 351	524 593	1 136 232	75 426
311	Food manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	1	1	f	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	–	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	3	1	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	3	1	g	D	D	D	D	D	D	D	D
32311	Printing	–	3	1	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	–	3	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	6	5	1 133	36 277	902	2 001	24 657	110 880	152 999	260 092	D
3262	Rubber product manufacturing	1	3	3	f	D	D	D	D	D	D	D	2 201
32629	Other rubber product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	FAYETTE												
31-33	Manufacturing	1	37	13	1 521	50 814	1 205	2 276	34 190	179 384	131 625	311 375	5 185
326	Plastics and rubber products manufacturing	3	6	5	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	3	5	5	f	D	D	D	D	D	D	D	D
	FRANKLIN												
31-33	Manufacturing	–	47	17	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	–	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

U.S. Census Bureau, 2002 Economic Census

Table 3. **Industry Statistics for Counties: 2002**—Con.

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	GIBSON												
31-33	Manufacturing	–	77	30	4 988	160 012	3 825	7 447	107 715	522 127	369 067	887 576	20 067
332	Fabricated metal product manufacturing	–	15	6	1 416	50 086	970	1 781	30 403	143 605	31 848	175 973	D
3323	Architectural and structural metals manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
332993	Ammunition (except small arms) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	6	4	969	32 337	660	1 359	20 200	152 007	72 687	222 584	6 138
3363	Motor vehicle parts manufacturing	–	4	4	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
	GILES												
31-33	Manufacturing	–	43	20	3 098	100 854	2 482	4 893	71 633	362 564	296 059	661 090	9 940
326	Plastics and rubber products manufacturing	–	5	4	506	16 128	398	771	11 067	40 771	41 018	82 178	D
332	Fabricated metal product manufacturing	–	6	2	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	GRAINGER												
31-33	Manufacturing	–	36	10	1 092	26 288	885	1 734	17 704	70 046	97 442	166 937	D
321	Wood product manufacturing	–	9	4	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	–	6	4	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) manufacturing	–	4	4	f	D	D	D	D	D	D	D	D
	GREENE												
31-33	Manufacturing	–	107	45	7 195	210 802	5 711	11 666	140 208	562 812	835 054	1 436 062	62 609
322	Paper manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	28	10	734	23 567	526	1 179	13 447	44 577	68 674	112 717	2 581
333	Machinery manufacturing	–	14	8	1 806	57 374	1 544	3 054	43 591	184 713	244 397	459 931	D
3331	Agriculture, construction, and mining machinery manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	5	4	588	25 911	401	881	15 852	60 959	42 399	103 974	3 165
33399	All other general purpose machinery manufacturing	–	4	3	f	D	D	D	D	D	D	D	3 165

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	GREENE—Con.												
334	Computer and electronic product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	5	4	862	23 996	719	1 627	18 011	80 669	66 420	148 078	D
3363	Motor vehicle parts manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
	HAMBLEN												
31-33	Manufacturing	1	123	68	14 715	452 065	11 679	22 331	312 803	1 331 027	1 278 635	2 593 553	89 832
311	Food manufacturing	–	6	3	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	1	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing	–	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	16	7	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	3	7	6	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	3	7	6	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	1	6	4	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	15	11	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	14	11	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	15	6	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	15	9	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	8	4	2	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	8	4	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	4	3	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	4	3	h	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	–	1	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	–	1	1	f	D	D	D	D	D	D	D	D

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	HAMBLEN—Con.												
337	Furniture and related product manufacturing	–	17	10	h	D	D	D	D	D	D	D	8 857
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	14	7	h	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	–	11	6	h	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	–	3	3	h	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	–	6	2	f	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
	HAMILTON												
31-33	Manufacturing	–	498	187	30 154	1 120 366	20 653	40 712	624 300	3 175 258	2 676 881	5 823 225	222 649
311	Food manufacturing	–	32	19	j	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	3	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	3	2	g	D	D	D	D	D	D	D	D
311615	Poultry processing	–	2	2	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	17	8	i	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	13	4	i	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	3	3	i	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	3	4	4	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	3	4	4	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	11	9	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	–	8	6	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	–	6	5	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	69	14	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	69	14	g	D	D	D	D	D	D	D	D
32311	Printing	–	57	14	g	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	37	16	h	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	11	7	f	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	–	7	5	g	D	D	D	D	D	D	D	D
32522	Artificial and synthetic fibers and filaments manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
325222	Noncellulosic organic fiber manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	3	28	12	g	D	D	D	D	D	D	D	10 854
3261	Plastics product manufacturing	3	20	11	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	–	20	6	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	–	13	8	1 981	77 524	1 626	3 515	58 336	285 368	81 781	355 668	6 019
3315	Foundries	–	10	6	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	–	7	5	g	D	D	D	D	D	D	D	D
331511	Iron foundries	–	5	4	g	D	D	D	D	D	D	D	D

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	HAMILTON—Con.												
332	Fabricated metal product manufacturing	1	100	36	h	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	3	30	12	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	37	6	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	–	10	4	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	40	17	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	–	6	4	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	–	5	4	1 484	65 545	1 056	1 956	41 991	166 668	337 950	503 956	5 007
333120	Construction machinery manufacturing	–	5	4	1 484	65 545	1 056	1 956	41 991	166 668	337 950	503 956	5 007
336	Transportation equipment manufacturing	–	12	5	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	28	7	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	42	10	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	–	22	3	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	–	22	3	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	3	20	7	f	D	D	D	D	D	D	D	D
	HARDEMAN												
31-33	Manufacturing	3	38	13	1 902	59 411	1 534	2 749	40 790	225 551	197 412	428 780	42 520
333	Machinery manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
333921	Elevator and moving stairway manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	HARDIN												
31-33	Manufacturing	–	51	17	1 984	70 067	1 633	3 353	53 114	278 785	262 994	542 517	34 987
	HAWKINS												
31-33	Manufacturing	–	48	23	i	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	6	3	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	6	3	f	D	D	D	D	D	D	D	D
32311	Printing	–	6	3	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	3	3	3	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
327211	Flat glass manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	12	4	605	22 202	487	923	16 079	92 289	23 662	118 076	1 397

See footnotes at end of table.

U.S. Census Bureau, 2002 Economic Census

Table 3. **Industry Statistics for Counties: 2002**—Con.

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	HAWKINS—Con.												
336	Transportation equipment manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
	HAYWOOD												
31-33	Manufacturing	–	22	10	1 979	62 208	1 616	3 364	42 342	108 920	201 252	304 855	8 840
326	Plastics and rubber products manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	HENDERSON												
31-33	Manufacturing	–	42	17	3 414	100 566	2 788	5 964	70 467	242 960	555 651	805 199	12 814
332	Fabricated metal product manufacturing	–	11	6	1 868	61 113	1 529	3 479	42 211	168 962	295 064	461 388	7 539
3325	Hardware manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	HENRY												
31-33	Manufacturing	1	52	15	2 644	65 303	2 104	3 875	45 156	163 403	210 818	385 399	6 255
326	Plastics and rubber products manufacturing	1	3	3	895	21 160	716	1 355	15 150	41 253	48 958	90 370	2 827
3262	Rubber product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	HICKMAN												
31-33	Manufacturing	–	32	8	672	16 865	549	955	12 383	29 589	50 575	86 813	D
	HUMPHREYS												
31-33	Manufacturing	–	30	13	1 904	85 669	1 380	2 724	59 459	363 487	401 108	764 083	34 860
325	Chemical manufacturing	–	7	4	f	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
325131	Inorganic dye and pigment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	JACKSON												
31-33	Manufacturing	2	8	5	700	16 828	611	1 222	12 820	80 065	82 422	162 308	D
	JEFFERSON												
31-33	Manufacturing	–	59	21	1 991	55 162	1 596	3 140	39 858	361 967	293 129	653 196	D
	JOHNSON												
31-33	Manufacturing	–	19	8	849	19 454	579	671	7 856	61 277	57 871	118 955	2 507
313	Textile mills	–	2	2	f	D	D	D	D	D	D	D	D
3131	Fiber, yarn, and thread mills	–	1	1	f	D	D	D	D	D	D	D	D
31311	Fiber, yarn, and thread mills	–	1	1	f	D	D	D	D	D	D	D	D
313111	Yarn spinning mills	–	1	1	f	D	D	D	D	D	D	D	D

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	KNOX												
31-33	Manufacturing	1	458	r158	r17 135	r593 533	r12 113	r23 261	r356 383	r1 851 301	r1 810 814	r3 623 379	r114 667
311	Food manufacturing	1	30	13	2 011	57 725	943	1 954	24 146	183 539	146 068	331 171	D
3118	Bakeries and tortilla manufacturing	–	14	4	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	14	4	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	5	4	1 013	27 363	242	427	6 925	65 247	32 337	97 631	D
315	Apparel manufacturing	–	16	9	g	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	–	13	8	g	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	–	6	5	1 250	25 987	1 144	1 577	22 348	32 346	36 382	75 698	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	3	11	5	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	77	16	978	30 970	648	1 189	18 017	64 408	38 193	107 561	D
3231	Printing and related support activities	1	77	16	978	30 970	648	1 189	18 017	64 408	38 193	107 561	D
32311	Printing	1	72	15	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	11	6	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	20	10	638	19 993	463	1 032	13 390	51 878	50 211	101 650	D
3261	Plastics product manufacturing	–	15	10	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	24	9	625	23 465	507	1 069	17 219	104 633	44 826	148 705	4 466
332	Fabricated metal product manufacturing	1	81	27	2 035	65 190	1 648	3 341	45 181	174 705	143 383	295 912	7 499
3323	Architectural and structural metals manufacturing	2	27	13	946	32 601	761	1 614	21 904	79 882	52 469	108 382	D
33231	Plate work and fabricated structural product manufacturing	3	16	10	f	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing	3	14	9	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	4	27	7	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	r17	10	g	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	15	9	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	15	9	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	24	12	2 928	97 129	2 470	4 904	75 049	397 836	495 588	891 598	23 017
3363	Motor vehicle parts manufacturing	1	17	9	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
3366	Ship and boat building	–	3	3	g	D	D	D	D	D	D	D	D
33661	Ship and boat building	–	3	3	g	D	D	D	D	D	D	D	D
336612	Boat building	–	3	3	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	3	45	7	1 002	46 811	440	814	21 691	40 289	33 818	74 746	D
3399	Other miscellaneous manufacturing	3	22	3	f	D	D	D	D	D	D	D	D
33995	Sign manufacturing	4	13	2	558	37 187	215	396	16 872	4 747	9 546	15 047	D
339950	Sign manufacturing	4	13	2	558	37 187	215	396	16 872	4 747	9 546	15 047	D

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	LAUDERDALE												
31-33	Manufacturing	–	16	10	2 969	70 306	2 627	4 586	54 866	219 123	135 263	352 756	10 006
321	Wood product manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
32191	Millwork	–	1	1	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
	LAWRENCE												
31-33	Manufacturing	–	65	20	3 748	117 789	3 217	6 968	89 736	314 037	666 552	1 001 778	13 617
327	Nonmetallic mineral product manufacturing	–	5	2	f	D	D	D	D	D	D	D	2 307
3272	Glass and glass product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	–	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	8	3	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
	LINCOLN												
31-33	Manufacturing	2	48	15	2 457	72 942	1 882	3 548	46 513	401 844	315 453	711 149	14 019
333	Machinery manufacturing	3	4	2	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
	LOUDON												
31-33	Manufacturing	1	53	24	3 505	127 650	2 753	5 176	87 980	819 664	511 088	1 330 191	D
336	Transportation equipment manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

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	MCMINN												
31-33	Manufacturing	–	65	28	5 804	228 832	4 356	8 557	152 770	777 056	707 280	1 487 086	76 232
311	Food manufacturing	–	4	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	–	1	1	g	D	D	D	D	D	D	D	D
32212	Paper mills	–	1	1	g	D	D	D	D	D	D	D	D
322122	Newsprint mills	–	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	7	5	894	28 281	633	1 273	17 221	65 395	122 572	187 848	D
3261	Plastics product manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
32615	Urethane and other foam product (except polystyrene) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326150	Urethane and other foam product (except polystyrene) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	4	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	MCNAIRY												
31-33	Manufacturing	–	43	11	2 558	65 890	1 917	3 036	40 406	185 946	227 800	413 442	10 024
326	Plastics and rubber products manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326191	Plastics plumbing fixture manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	MACON												
31-33	Manufacturing	5	38	12	1 155	22 144	990	1 454	15 264	34 936	34 294	69 662	1 812
	MADISON												
31-33	Manufacturing	–	127	59	11 486	449 604	8 895	18 840	294 363	1 954 410	1 886 489	3 864 411	125 782
311	Food manufacturing	–	8	5	1 994	85 540	1 714	3 627	66 784	838 092	347 892	1 203 079	D
3119	Other food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
321	Wood product manufacturing	–	6	3	614	19 597	542	1 167	15 658	38 457	43 591	83 040	D
3219	Other wood product manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
32191	Millwork	–	1	1	f	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	–	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	6	5	974	32 786	861	1 865	26 109	90 023	148 555	241 243	3 844
3222	Converted paper product manufacturing	–	6	5	974	32 786	861	1 865	26 109	90 023	148 555	241 243	3 844
32222	Paper bag and coated and treated paper manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	12	6	545	17 992	443	947	12 287	61 286	63 936	125 479	2 739
3261	Plastics product manufacturing	–	9	6	506	16 890	417	892	11 710	59 289	60 628	120 701	D
327	Nonmetallic mineral product manufacturing	3	10	6	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	–	4	4	804	36 531	625	1 269	23 882	108 146	221 140	331 875	D
332	Fabricated metal product manufacturing	–	24	8	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 3. **Industry Statistics for Counties: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	MADISON—Con.												
333	Machinery manufacturing	–	7	5	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
333991	Power-driven handtool manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	6	3	f	D	D	D	D	D	D	D	D
	MARION												
31-33	Manufacturing	1	27	14	1 727	45 454	1 561	3 013	38 159	142 684	121 124	263 568	D
313	Textile mills	2	2	2	f	D	D	D	D	D	D	D	D
3131	Fiber, yarn, and thread mills	2	2	2	f	D	D	D	D	D	D	D	D
31311	Fiber, yarn, and thread mills	2	2	2	f	D	D	D	D	D	D	D	D
	MARSHALL												
31-33	Manufacturing	–	48	20	4 233	124 546	3 318	6 183	84 085	327 109	397 672	712 097	20 193
325	Chemical manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3315	Foundries	–	2	2	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	–	2	2	f	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries	–	2	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	–	4	4	867	21 929	716	1 028	15 672	69 111	51 122	117 404	D
3399	Other miscellaneous manufacturing	–	4	4	867	21 929	716	1 028	15 672	69 111	51 122	117 404	D
33994	Office supplies (except paper) manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
339942	Lead pencil and art good manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
	MAURY												
31-33	Manufacturing	–	77	30	9 093	599 721	7 631	17 593	501 837	1 659 273	2 315 808	3 965 812	D
336	Transportation equipment manufacturing	–	5	3	i	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
	MEIGS												
31-33	Manufacturing	–	11	5	659	20 068	603	1 310	16 661	48 155	137 442	185 832	1 348
313	Textile mills	–	2	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 3. **Industry Statistics for Counties: 2002**—Con.

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	MONROE												
31-33	Manufacturing	–	73	29	4 630	152 364	3 660	7 386	104 323	380 772	559 363	951 033	31 540
327	Nonmetallic mineral product manufacturing	–	6	5	687	23 883	555	1 188	17 633	51 890	68 758	119 937	5 433
3272	Glass and glass product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	–	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	10	7	g	D	D	D	D	D	D	D	14 999
3363	Motor vehicle parts manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3366	Ship and boat building	–	4	4	g	D	D	D	D	D	D	D	D
33661	Ship and boat building	–	4	4	g	D	D	D	D	D	D	D	D
336612	Boat building	–	4	4	g	D	D	D	D	D	D	D	D
	MONTGOMERY												
31-33	Manufacturing	1	75	25	6 327	222 354	5 026	10 275	157 758	931 154	654 418	1 580 693	46 996
323	Printing and related support activities	–	15	4	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	15	4	g	D	D	D	D	D	D	D	D
32311	Printing	–	15	4	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	–	3	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	3	1	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	7	4	3	f	D	D	D	D	D	D	D	D
	OBION												
31-33	Manufacturing	1	40	19	7 038	258 864	6 082	12 143	209 113	611 612	588 675	1 204 647	D
311	Food manufacturing	7	6	3	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	8	4	3	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	8	4	3	g	D	D	D	D	D	D	D	D
311615	Poultry processing	9	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	2	2	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
32621	Tire manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	h	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	8	5	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	–	4	4	685	21 279	581	1 211	16 360	44 475	63 327	108 492	D
33232	Ornamental and architectural metal products manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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	OVERTON												
31-33	Manufacturing	–	27	8	1 115	29 895	904	1 820	20 920	101 824	83 491	184 300	D
	PERRY												
31-33	Manufacturing	–	11	5	1 392	36 932	1 026	1 812	27 940	84 130	105 074	189 454	2 574
326	Plastics and rubber products manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	–	1	1	f	D	D	D	D	D	D	D	D
	PUTNAM												
31-33	Manufacturing	1	122	41	7 818	206 372	6 172	11 543	139 376	689 023	561 954	1 249 811	19 311
311	Food manufacturing	–	6	2	h	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	–	1	1	g	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate	–	1	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	2	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	2	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing	–	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	23	5	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	6	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	6	4	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	1	2	2	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	1	2	2	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	8	12	5	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	8	9	5	f	D	D	D	D	D	D	D	D
	RHEA												
31-33	Manufacturing	1	38	13	4 684	150 142	3 983	8 399	118 476	342 464	295 776	632 803	17 142
315	Apparel manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	3	1	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	3	1	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
	ROANE												
31-33	Manufacturing	–	32	13	g	D	D	D	D	D	D	D	5 083
327	Nonmetallic mineral product manufacturing	1	5	4	518	13 176	452	922	9 752	28 616	24 938	52 555	2 345

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	ROBERTSON												
31-33	Manufacturing	1	71	28	4 907	142 894	4 131	8 077	102 838	431 926	716 791	1 161 579	23 506
335	Electrical equipment, appliance, and component manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	7	6	772	24 912	565	1 170	14 033	78 390	92 486	172 702	D
3363	Motor vehicle parts manufacturing	–	4	4	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	9	2	f	D	D	D	D	D	D	D	D
	RUTHERFORD												
31-33	Manufacturing	–	190	74	18 111	819 512	13 371	26 462	551 630	1 273 914	6 311 627	7 578 158	D
311	Food manufacturing	–	9	6	1 483	62 141	1 229	2 260	50 347	266 827	293 656	561 193	D
3114	Fruit and vegetable preserving and specialty food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	23	6	721	19 610	490	642	10 140	72 755	34 456	108 441	D
3231	Printing and related support activities	1	23	6	721	19 610	490	642	10 140	72 755	34 456	108 441	D
32311	Printing	1	21	6	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	6	1	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	13	11	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	10	9	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	10	9	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	9	8	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	3	33	10	838	31 190	632	1 379	19 906	61 012	107 387	167 258	D
333	Machinery manufacturing	–	18	7	912	36 849	548	1 164	18 148	106 997	92 896	201 103	D
334	Computer and electronic product manufacturing	–	7	4	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	13	10	i	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	7	6	g	D	D	D	D	D	D	D	D

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	SCOTT												
31-33	Manufacturing	–	46	13	2 251	60 449	1 872	3 747	44 717	145 492	172 154	310 828	8 645
321	Wood product manufacturing	–	10	3	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	–	5	2	g	D	D	D	D	D	D	D	D
32191	Millwork	–	2	1	f	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	–	1	1	f	D	D	D	D	D	D	D	D
	SEQUATCHIE												
31-33	Manufacturing	–	11	4	610	15 189	532	1 058	11 322	85 002	121 465	210 641	D
	SEVIER												
31-33	Manufacturing	2	82	15	1 607	49 054	1 225	2 518	30 756	117 345	88 847	208 272	5 998
	SHELBY												
31-33	Manufacturing	–	800	278	33 098	1 317 793	21 971	43 831	715 620	5 264 544	6 616 025	11 809 121	450 208
311	Food manufacturing	–	53	24	4 106	174 700	2 567	4 998	100 608	1 211 962	1 035 733	2 273 219	46 131
3112	Grain and oilseed milling	–	6	6	g	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing	–	5	5	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	14	4	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	13	3	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	4	3	g	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	–	8	5	g	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	–	7	4	f	D	D	D	D	D	D	D	D
31212	Breweries	–	1	1	f	D	D	D	D	D	D	D	D
312120	Breweries	–	1	1	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	2	37	14	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	2	30	11	f	D	D	D	D	D	D	D	D
32191	Millwork	2	10	5	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	22	14	g	D	D	D	D	D	D	D	15 220
3221	Pulp, paper, and paperboard mills	1	2	2	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	–	20	12	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	–	12	7	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	137	28	h	D	D	D	D	D	D	D	D
3231	Printing and related support activities	1	137	28	h	D	D	D	D	D	D	D	D
32311	Printing	–	118	24	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	1	56	16	h	D	D	D	D	D	D	D	D
325	Chemical manufacturing	2	68	36	h	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	13	7	1 452	78 913	779	1 604	37 395	321 907	452 568	778 478	D
32518	Other basic inorganic chemical manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	–	4	4	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	7	15	6	f	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	9	11	3	f	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing	9	11	3	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	1	16	8	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	21	14	1 078	41 421	648	1 380	19 155	141 491	123 613	271 461	6 000
3261	Plastics product manufacturing	2	18	13	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 3. **Industry Statistics for Counties: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	SHELBY—Con.												
327	Nonmetallic mineral product manufacturing	3	41	12	732	24 018	556	1 071	15 536	75 396	55 704	129 672	7 317
332	Fabricated metal product manufacturing	1	136	51	3 503	130 655	2 541	5 334	81 024	288 572	267 413	543 762	61 849
3323	Architectural and structural metals manufacturing	1	53	26	g	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	1	19	12	641	23 784	439	989	13 052	50 936	51 326	99 600	1 819
332312	Fabricated structural metal manufacturing	1	17	10	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	1	34	14	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	37	8	f	D	D	D	D	D	D	D	D
33271	Machine shops	1	33	6	539	25 200	391	782	16 789	66 814	26 052	86 888	D
332710	Machine shops	1	33	6	539	25 200	391	782	16 789	66 814	26 052	86 888	D
333	Machinery manufacturing	–	46	19	h	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	7	5	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	7	5	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	18	9	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	–	9	6	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	14	7	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	18	8	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	3	52	12	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	–	82	18	h	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	–	42	10	3 271	163 827	1 050	2 271	30 540	663 279	180 029	805 989	D
33911	Medical equipment and supplies manufacturing	–	42	10	3 271	163 827	1 050	2 271	30 540	663 279	180 029	805 989	D
339113	Surgical appliance and supplies manufacturing	–	12	5	h	D	D	D	D	D	D	D	66 471
	SMITH												
31-33	Manufacturing	–	24	12	1 866	59 820	1 427	2 442	38 443	220 929	370 901	586 790	D
332	Fabricated metal product manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
	STEWART												
31-33	Manufacturing	–	13	6	729	16 631	662	1 362	14 027	63 607	50 521	113 225	1 117

See footnotes at end of table.

Table 3. **Industry Statistics for Counties: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	SULLIVAN												
31-33	Manufacturing	–	167	59	14 070	712 744	8 816	19 318	351 346	2 044 917	2 570 644	4 591 066	724 169
322	Paper manufacturing	1	4	4	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	28	9	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	28	9	g	D	D	D	D	D	D	D	D
32311	Printing	–	26	9	g	D	D	D	D	D	D	D	D
323117	Books printing	–	1	1	g	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	10	3	8 110	509 029	4 130	9 614	211 061	1 539 165	2 060 561	3 585 515	D
3251	Basic chemical manufacturing	–	6	1	i	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	10	6	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	31	7	537	16 889	385	828	10 623	53 156	28 323	81 533	1 405
	SUMNER												
31-33	Manufacturing	1	216	73	8 992	296 602	6 884	13 197	195 717	772 203	815 876	1 592 695	65 065
321	Wood product manufacturing	3	10	4	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	3	9	4	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing	–	5	2	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	16	2	565	19 068	468	865	14 359	45 633	29 254	75 857	D
3231	Printing and related support activities	–	16	2	565	19 068	468	865	14 359	45 633	29 254	75 857	D
32311	Printing	–	14	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	16	9	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	1	15	8	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	13	7	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	1	11	7	731	22 892	569	1 168	16 095	49 129	30 946	80 105	D
332	Fabricated metal product manufacturing	1	46	15	1 721	57 665	1 287	2 446	36 005	144 289	117 894	263 141	6 460
3323	Architectural and structural metals manufacturing	1	11	4	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	–	6	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	4	27	7	530	22 839	325	586	11 965	43 944	31 719	75 721	1 454
336	Transportation equipment manufacturing	–	21	14	2 275	70 911	1 817	3 571	50 491	185 592	297 347	484 052	D
3363	Motor vehicle parts manufacturing	–	18	12	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	–	6	4	1 058	35 266	833	1 561	27 528	72 786	143 401	218 101	D
336370	Motor vehicle metal stamping	–	6	4	1 058	35 266	833	1 561	27 528	72 786	143 401	218 101	D
33639	Other motor vehicle parts manufacturing	3	7	5	581	16 943	480	1 023	11 366	40 290	73 588	113 007	D
336399	All other motor vehicle parts manufacturing	3	7	5	581	16 943	480	1 023	11 366	40 290	73 588	113 007	D
337	Furniture and related product manufacturing	1	7	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 3. **Industry Statistics for Counties: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	TIPTON												
31-33	Manufacturing	1	39	16	2 246	66 197	1 825	3 560	48 929	247 166	211 869	456 362	14 571
323	Printing and related support activities	–	3	2	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	3	2	f	D	D	D	D	D	D	D	D
32311	Printing	–	3	2	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	–	2	1	f	D	D	D	D	D	D	D	D
	UNICOI												
31-33	Manufacturing	1	26	12	1 375	39 947	1 109	1 867	28 018	85 291	78 918	163 822	9 009
335	Electrical equipment, appliance, and component manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
	UNION												
31-33	Manufacturing	2	19	11	938	26 356	770	1 586	18 166	83 854	73 729	156 049	D
	WARREN												
31-33	Manufacturing	2	65	26	4 351	162 187	3 613	6 161	116 126	418 815	608 167	1 036 640	21 016
326	Plastics and rubber products manufacturing	–	5	2	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32621	Tire manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	7	19	8	920	31 962	691	1 032	13 742	101 354	222 006	332 494	D
335	Electrical equipment, appliance, and component manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	WASHINGTON												
31-33	Manufacturing	–	143	56	8 142	239 162	6 197	11 576	146 709	592 217	817 101	1 403 576	28 991
321	Wood product manufacturing	–	11	5	561	17 801	434	938	10 196	29 464	90 508	117 822	D
323	Printing and related support activities	–	16	6	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	16	6	f	D	D	D	D	D	D	D	D
32311	Printing	–	15	6	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	24	8	744	21 171	612	1 222	15 729	40 526	32 050	72 816	D
333	Machinery manufacturing	–	13	4	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

U.S. Census Bureau, 2002 Economic Census

Table 3. **Industry Statistics for Counties: 2002**—Con.

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	WASHINGTON—Con.												
334	Computer and electronic product manufacturing	–	7	4	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	–	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	15	4	f	D	D	D	D	D	D	D	D
	WAYNE												
31-33	Manufacturing	2	25	9	875	18 649	734	1 332	13 658	50 704	56 625	106 474	1 262
	WEAKLEY												
31-33	Manufacturing	–	42	17	2 311	59 700	1 878	3 423	40 427	306 531	301 069	615 686	4 705
333	Machinery manufacturing	–	6	2	f	D	D	D	D	D	D	D	1 927
3331	Agriculture, construction, and mining machinery manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	WHITE												
31-33	Manufacturing	1	50	20	2 973	79 815	2 498	4 776	58 259	260 546	383 664	644 210	17 468
334	Computer and electronic product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	–	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	WILLIAMSON												
31-33	Manufacturing	1	121	27	3 707	123 581	2 819	5 373	80 305	289 867	320 927	611 865	18 205
334	Computer and electronic product manufacturing	–	6	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	3	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 3. **Industry Statistics for Counties: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	WILSON												
31-33	Manufacturing	–	110	36	7 186	286 373	5 185	10 602	173 641	3 194 966	5 865 658	9 061 099	41 914
334	Computer and electronic product manufacturing	–	4	2	h	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
334111	Electronic computer manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	7	4	766	35 096	565	1 110	25 087	90 119	46 035	135 567	D
3363	Motor vehicle parts manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

[1]Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

[2]Includes establishments with payroll at any time during the year.

[3]Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: f–500 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.

[4]Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 4. **Industry Statistics for Places: 2002**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	NASHVILLE-DAVIDSON (CC)												
31-33	Manufacturing	1	666	231	29 151	1 087 120	21 523	43 152	706 965	3 617 798	3 581 199	7 144 412	150 656
311	Food manufacturing	–	51	23	3 608	109 397	2 456	5 460	63 562	275 737	659 357	933 603	D
3115	Dairy product manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	8	5	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	8	5	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	–	4	2	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	1	22	7	539	17 381	248	501	6 198	46 133	24 852	70 981	D
31181	Bread and bakery product manufacturing	1	19	6	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
313	Textile mills	–	7	6	g	D	D	D	D	D	D	D	D
3132	Fabric mills	–	2	2	g	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills	–	2	2	g	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	–	2	2	g	D	D	D	D	D	D	D	D
314	Textile product mills	7	21	7	g	D	D	D	D	D	D	D	D
3149	Other textile product mills	4	14	6	f	D	D	D	D	D	D	D	D
31499	All other textile product mills	4	10	5	f	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	4	10	5	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	–	15	5	547	17 695	483	1 062	14 311	33 504	35 259	70 448	3 179
3219	Other wood product manufacturing	–	12	4	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	2	15	8	647	21 896	509	1 133	14 817	56 347	111 985	171 595	2 347
3222	Converted paper product manufacturing	2	15	8	647	21 896	509	1 133	14 817	56 347	111 985	171 595	2 347
323	Printing and related support activities	3	163	44	3 828	139 620	2 750	5 065	86 078	265 264	135 390	398 819	D
3231	Printing and related support activities	3	163	44	3 828	139 620	2 750	5 065	86 078	265 264	135 390	398 819	D
32311	Printing	2	130	34	3 031	109 725	2 180	3 825	68 900	207 275	121 446	326 976	D
323110	Commercial lithographic printing	2	67	22	1 851	69 807	1 389	2 269	46 058	133 918	73 242	206 768	D
32312	Support activities for printing	3	33	10	797	29 895	570	1 240	17 178	57 989	13 944	71 843	D
325	Chemical manufacturing	1	28	9	f	D	D	D	D	D	D	D	8 978
326	Plastics and rubber products manufacturing	2	26	14	1 404	49 835	1 109	2 296	31 170	154 009	173 433	326 092	10 046
3261	Plastics product manufacturing	2	20	10	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	12	7	789	25 755	650	1 398	17 605	53 193	67 031	120 376	D
326199	All other plastics product manufacturing	1	11	6	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	2	29	10	1 866	96 212	1 520	3 089	74 358	183 308	155 619	338 645	9 332
3272	Glass and glass product manufacturing	–	6	3	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	6	3	g	D	D	D	D	D	D	D	D
327211	Flat glass manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	6	16	6	544	19 183	400	865	12 627	59 471	58 529	118 340	3 317
332	Fabricated metal product manufacturing	3	75	28	2 378	83 938	1 760	3 393	53 699	155 026	164 115	330 469	6 797
3323	Architectural and structural metals manufacturing	1	22	9	620	22 986	449	930	13 562	52 037	58 584	110 467	848
3324	Boiler, tank, and shipping container manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	7	2	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 4. **Industry Statistics for Places: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	NASHVILLE-DAVIDSON (CC)—Con.												
333	Machinery manufacturing	1	38	12	2 475	112 937	1 771	3 975	70 107	179 429	223 134	389 186	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	16	7	985	53 472	512	1 084	23 054	55 229	44 848	104 183	2 909
33351	Metalworking machinery manufacturing	1	16	7	985	53 472	512	1 084	23 054	55 229	44 848	104 183	2 909
333518	Other metalworking machinery manufacturing	1	2	2	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	2	26	8	f	D	D	D	D	D	D	D	1 044
335	Electrical equipment, appliance, and component manufacturing	–	14	7	2 277	73 273	1 730	3 345	52 343	227 235	203 440	434 699	D
3352	Household appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	6	4	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	6	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	20	8	h	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	41	14	910	28 176	667	1 347	16 693	53 178	55 710	108 323	2 315
339	Miscellaneous manufacturing	3	71	16	1 495	43 316	1 090	2 094	25 826	187 199	85 305	275 300	4 510
3399	Other miscellaneous manufacturing	1	45	11	1 188	32 960	892	1 726	20 267	125 506	52 116	180 967	1 717
33999	All other miscellaneous manufacturing	1	20	6	783	20 716	632	1 236	13 956	92 917	27 402	124 276	D
339992	Musical instrument manufacturing	–	7	3	f	D	D	D	D	D	D	D	D
	ALCOA												
31-33	Manufacturing	–	18	7	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	–	2	2	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing	–	2	2	g	D	D	D	D	D	D	D	D
331312	Primary aluminum production	–	1	1	f	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	–	1	1	g	D	D	D	D	D	D	D	D

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Table 4. **Industry Statistics for Places: 2002**—Con.

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	ARLINGTON												
31-33	Manufacturing	–	16	8	948	48 283	440	858	16 249	172 701	102 693	261 450	11 456
339	Miscellaneous manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	ASHLAND CITY												
31-33	Manufacturing	–	12	3	525	15 868	451	878	11 461	42 156	38 002	80 090	D
	ATHENS												
31-33	Manufacturing	–	36	18	h	D	D	D	D	D	D	D	38 650
311	Food manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
32615	Urethane and other foam product (except polystyrene) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326150	Urethane and other foam product (except polystyrene) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	BARTLETT												
31-33	Manufacturing	–	34	13	1 014	39 163	605	1 210	19 117	111 568	81 816	186 553	9 671
	BEAN STATION												
31-33	Manufacturing	–	16	6	643	13 508	520	1 027	9 233	37 914	61 151	98 471	D
	BRISTOL												
31-33	Manufacturing	–	49	19	1 982	68 382	1 525	2 783	41 922	1 227 434	645 416	1 891 080	D
325	Chemical manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	BROWNSVILLE												
31-33	Manufacturing	–	19	10	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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	CHATTANOOGA												
31-33	Manufacturing	–	385	150	20 669	802 150	14 722	29 985	469 935	2 376 459	1 985 058	4 330 327	128 868
311	Food manufacturing	–	23	14	h	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	3	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	3	2	g	D	D	D	D	D	D	D	D
311615	Poultry processing	–	2	2	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	2	12	5	1 143	34 587	767	1 405	20 386	47 041	25 090	72 070	3 012
31181	Bread and bakery product manufacturing	–	9	2	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	3	3	3	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	3	3	3	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	11	9	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	–	8	6	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	–	6	5	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	55	10	1 307	48 893	894	1 544	28 211	103 547	62 083	165 515	D
3231	Printing and related support activities	–	55	10	1 307	48 893	894	1 544	28 211	103 547	62 083	165 515	D
32311	Printing	–	45	10	1 273	47 613	867	1 493	27 351	101 277	61 392	162 554	D
325	Chemical manufacturing	–	33	16	h	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	11	7	f	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	–	7	5	g	D	D	D	D	D	D	D	D
32522	Artificial and synthetic fibers and filaments manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
325222	Noncellulosic organic fiber manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	3	25	11	962	30 574	752	1 545	19 976	85 958	81 931	165 580	D
3261	Plastics product manufacturing	2	18	10	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	–	12	8	g	D	D	D	D	D	D	D	D
3315	Foundries	–	9	6	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	–	7	5	g	D	D	D	D	D	D	D	D
331511	Iron foundries	–	5	4	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	84	31	2 721	100 652	2 010	4 024	64 840	286 388	147 589	425 334	19 198
3323	Architectural and structural metals manufacturing	2	24	10	648	23 345	496	1 062	15 784	58 062	31 763	90 829	2 827
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	31	6	506	17 581	391	755	11 397	34 167	26 477	60 553	2 463
3329	Other fabricated metal product manufacturing	–	9	3	670	28 746	514	1 073	20 717	133 899	49 673	171 977	11 434
333	Machinery manufacturing	–	28	13	2 511	106 181	1 767	3 375	62 330	233 236	391 356	623 608	9 376
3331	Agriculture, construction, and mining machinery manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing	–	4	3	g	D	D	D	D	D	D	D	D

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	CHATTANOOGA—Con.												
339	Miscellaneous manufacturing	2	29	7	951	34 996	596	1 141	19 463	72 489	79 173	144 458	D
3391	Medical equipment and supplies manufacturing	–	17	3	508	21 867	299	582	12 198	44 961	30 092	69 077	D
33911	Medical equipment and supplies manufacturing	–	17	3	508	21 867	299	582	12 198	44 961	30 092	69 077	D
	CHURCH HILL												
31-33	Manufacturing	–	8	5	1 599	57 013	1 310	2 813	43 782	205 381	106 940	316 148	D
327	Nonmetallic mineral product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
327211	Flat glass manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	CLARKSVILLE												
31-33	Manufacturing	1	61	19	4 395	148 989	3 444	6 672	105 539	713 948	509 312	1 217 451	34 068
323	Printing and related support activities	–	14	3	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	14	3	f	D	D	D	D	D	D	D	D
32311	Printing	–	14	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	7	4	3	f	D	D	D	D	D	D	D	D
	CLEVELAND												
31-33	Manufacturing	–	86	37	9 232	324 958	7 532	14 929	229 756	1 446 926	1 132 834	2 587 532	82 915
311	Food manufacturing	–	9	4	g	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	–	1	1	f	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate	–	1	1	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing	3	5	3	g	D	D	D	D	D	D	D	D
3151	Apparel knitting mills	–	3	1	f	D	D	D	D	D	D	D	D
31511	Hosiery and sock mills	–	2	1	f	D	D	D	D	D	D	D	D
315119	Other hosiery and sock mills	–	1	1	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	4	4	3 095	109 804	2 554	4 877	78 904	512 181	381 354	900 373	D
3352	Household appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33591	Battery manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335912	Primary battery manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

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	CLEVELAND—Con.												
337	Furniture and related product manufacturing	–	11	4	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	8	3	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	–	7	3	g	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	–	6	3	g	D	D	D	D	D	D	D	D
	CLINTON												
31-33	Manufacturing	–	27	16	2 611	91 663	1 988	4 441	60 073	233 675	264 122	496 345	17 877
325	Chemical manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	3	3	524	15 982	429	828	12 133	25 327	28 637	54 197	D
336	Transportation equipment manufacturing	–	6	4	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	4	4	908	30 253	785	1 469	23 810	111 221	94 844	205 178	D
336399	All other motor vehicle parts manufacturing	–	4	4	908	30 253	785	1 469	23 810	111 221	94 844	205 178	D
	COLLEGEDALE												
31-33	Manufacturing	–	8	5	i	D	D	D	D	D	D	D	D
311	Food manufacturing	–	3	2	i	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	1	1	i	D	D	D	D	D	D	D	D
	COLLIERVILLE												
31-33	Manufacturing	–	33	16	2 748	86 524	2 321	4 399	66 160	503 240	521 792	1 027 650	11 144
333	Machinery manufacturing	–	7	3	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
	COLUMBIA												
31-33	Manufacturing	–	40	12	f	D	D	D	D	D	D	D	5 616
	COOKEVILLE												
31-33	Manufacturing	2	88	31	5 587	153 983	4 424	8 131	104 765	582 870	383 084	961 395	D
311	Food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	–	1	1	g	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate	–	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	14	4	f	D	D	D	D	D	D	D	1 758
335	Electrical equipment, appliance, and component manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	6	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	6	4	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	1	2	2	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	1	2	2	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	9	6	3	703	18 076	516	1 057	10 040	60 431	21 836	82 201	D
3399	Other miscellaneous manufacturing	9	4	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 4. **Industry Statistics for Places: 2002**—Con.

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	COVINGTON												
31-33	Manufacturing	1	21	13	1 892	57 579	1 584	3 132	43 744	206 664	170 413	374 416	13 890
323	Printing and related support activities	–	2	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	2	1	f	D	D	D	D	D	D	D	D
32311	Printing	–	2	1	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	–	2	1	f	D	D	D	D	D	D	D	D
	CROSSVILLE												
31-33	Manufacturing	–	42	12	1 917	59 831	1 534	2 951	42 627	202 080	280 980	491 014	D
327	Nonmetallic mineral product manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
	DAYTON												
31-33	Manufacturing	1	18	9	4 345	139 048	3 694	7 828	109 309	301 400	244 320	540 701	13 324
315	Apparel manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
	DICKSON												
31-33	Manufacturing	–	18	15	3 078	102 460	2 575	5 496	77 760	318 904	384 054	701 209	68 696
331	Primary metal manufacturing	–	4	4	f	D	D	D	D	D	D	D	D
3315	Foundries	–	2	2	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	–	2	2	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	–	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	DYERSBURG												
31-33	Manufacturing	–	30	15	3 719	136 457	2 858	6 121	93 930	364 800	337 401	704 212	D
323	Printing and related support activities	–	3	1	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	3	1	g	D	D	D	D	D	D	D	D
32311	Printing	–	3	1	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	–	3	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	ELIZABETHTON												
31-33	Manufacturing	4	21	11	1 137	37 774	934	1 973	26 806	68 053	85 859	154 026	4 183
	ERWIN												
31-33	Manufacturing	1	21	11	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	–	7	5	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 4. **Industry Statistics for Places: 2002**—Con.

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	FAYETTEVILLE												
31-33	Manufacturing	2	24	10	2 275	68 050	1 753	3 312	43 647	385 906	305 486	685 351	12 779
333	Machinery manufacturing	3	3	2	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
	FRANKLIN												
31-33	Manufacturing	1	74	19	2 423	86 108	1 735	3 411	53 053	217 576	214 420	432 337	14 460
334	Computer and electronic product manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
	GALLATIN												
31-33	Manufacturing	–	73	30	3 531	115 640	2 687	5 235	73 765	351 533	385 203	733 675	37 162
336	Transportation equipment manufacturing	–	5	5	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	4	4	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	4	3	f	D	D	D	D	D	D	D	D
	GOODLETTSVILLE												
31-33	Manufacturing	–	28	5	1 812	45 826	1 552	3 514	35 886	86 530	354 062	437 534	D
311	Food manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	1	1	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	–	1	1	g	D	D	D	D	D	D	D	D
	GREENEVILLE												
31-33	Manufacturing	–	65	32	4 239	115 388	3 429	6 678	80 004	270 832	551 585	865 043	37 106
333	Machinery manufacturing	–	12	7	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	HENDERSON												
31-33	Manufacturing	–	15	6	f	D	D	D	D	D	D	D	922
	HENDERSONVILLE												
31-33	Manufacturing	2	56	7	f	D	D	D	D	D	D	D	D
	HUMBOLDT												
31-33	Manufacturing	–	22	11	1 823	58 932	1 530	3 129	42 718	234 274	154 487	389 625	6 192
	HUNTINGDON												
31-33	Manufacturing	–	8	4	753	25 018	604	1 315	18 714	75 305	177 061	249 335	D

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	JACKSON												
31-33	Manufacturing	–	110	55	11 113	437 352	8 610	18 277	287 301	1 926 174	1 863 138	3 812 833	122 208
311	Food manufacturing	–	8	5	1 994	85 540	1 714	3 627	66 784	838 092	347 892	1 203 079	D
3119	Other food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
321	Wood product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32191	Millwork	–	1	1	f	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	–	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	6	5	974	32 786	861	1 865	26 109	90 023	148 555	241 243	3 844
3222	Converted paper product manufacturing	–	6	5	974	32 786	861	1 865	26 109	90 023	148 555	241 243	3 844
32222	Paper bag and coated and treated paper manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	11	6	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	2	6	5	519	18 993	431	901	14 338	84 333	55 082	139 014	1 909
331	Primary metal manufacturing	–	4	4	804	36 531	625	1 269	23 882	108 146	221 140	331 875	D
332	Fabricated metal product manufacturing	–	18	8	1 262	44 661	1 082	2 202	34 307	105 628	95 809	201 917	D
333	Machinery manufacturing	–	6	4	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
333991	Power-driven handtool manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	JEFFERSON CITY												
31-33	Manufacturing	1	16	9	754	19 500	602	1 123	13 257	109 137	68 417	176 393	D
	JOHNSON CITY												
31-33	Manufacturing	–	99	47	7 458	213 497	5 735	10 671	134 542	540 086	751 541	1 285 009	27 415
323	Printing and related support activities	–	15	6	681	16 915	502	972	10 792	48 579	16 924	65 377	2 532
3231	Printing and related support activities	–	15	6	681	16 915	502	972	10 792	48 579	16 924	65 377	2 532
32311	Printing	–	14	6	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	17	8	723	20 526	596	1 195	15 293	39 403	31 598	71 240	D
333	Machinery manufacturing	–	9	3	f	D	D	D	D	D	D	D	1 797

See footnotes at end of table.

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	JOHNSON CITY—Con.												
334	Computer and electronic product manufacturing	–	6	4	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	–	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	14	4	f	D	D	D	D	D	D	D	D
	KINGSPORT												
31-33	Manufacturing	–	57	19	10 629	598 837	6 206	14 242	282 209	675 486	1 804 659	2 441 768	D
323	Printing and related support activities	–	13	4	1 392	57 065	1 169	2 731	41 355	97 840	63 368	152 706	D
3231	Printing and related support activities	–	13	4	1 392	57 065	1 169	2 731	41 355	97 840	63 368	152 706	D
32311	Printing	–	11	4	g	D	D	D	D	D	D	D	D
323117	Books printing	–	1	1	g	D	D	D	D	D	D	D	D
325	Chemical manufacturing	–	5	1	i	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	4	1	i	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	7	4	517	16 145	427	892	12 674	55 572	26 083	82 573	D
	KNOXVILLE												
31-33	Manufacturing	1	r286	r98	i	D	D	D	D	D	D	D	D
311	Food manufacturing	1	22	9	1 018	27 720	509	1 096	12 687	98 731	88 208	188 062	D
3118	Bakeries and tortilla manufacturing	–	12	3	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	12	3	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing	–	8	6	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	–	6	5	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	63	15	865	27 367	563	1 023	15 553	57 746	32 866	95 559	D
3231	Printing and related support activities	1	63	15	865	27 367	563	1 023	15 553	57 746	32 866	95 559	D
32311	Printing	1	58	14	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	51	17	1 227	38 753	1 011	1 990	27 652	94 525	69 444	139 736	3 957
3323	Architectural and structural metals manufacturing	1	20	10	721	24 041	597	1 259	17 069	62 331	36 055	73 968	1 886

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	KNOXVILLE—Con.												
333	Machinery manufacturing	3	17	7	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	10	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	9	4	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	3	28	5	888	43 477	358	668	19 954	34 345	29 042	64 026	1 541
3399	Other miscellaneous manufacturing	4	16	3	f	D	D	D	D	D	D	D	D
33995	Sign manufacturing	4	10	2	550	36 940	210	389	16 745	4 293	9 344	14 391	533
339950	Sign manufacturing	4	10	2	550	36 940	210	389	16 745	4 293	9 344	14 391	533
	LAFAYETTE												
31-33	Manufacturing	3	15	7	651	14 939	537	929	9 806	22 805	20 241	43 447	D
	LA VERGNE												
31-33	Manufacturing	–	49	25	4 095	180 756	2 759	5 529	108 692	454 567	378 648	831 304	D
326	Plastics and rubber products manufacturing	–	7	7	1 880	90 473	1 514	3 022	68 744	173 298	180 666	351 908	D
3262	Rubber product manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	8	4	666	27 048	393	840	12 467	85 740	73 680	160 376	D
	LAWRENCEBURG												
31-33	Manufacturing	–	28	10	3 158	101 078	2 729	5 992	77 457	278 966	634 326	933 834	11 269
327	Nonmetallic mineral product manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	–	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	–	4	1	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
	LEBANON												
31-33	Manufacturing	–	54	21	6 193	251 564	4 535	9 433	153 457	3 129 256	5 720 850	8 852 169	38 547
334	Computer and electronic product manufacturing	–	3	2	h	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
334111	Electronic computer manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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	LENOIR CITY												
31-33	Manufacturing	–	13	5	864	24 509	696	1 155	17 175	91 296	46 242	135 532	3 259
	LEWISBURG												
31-33	Manufacturing	–	39	18	3 877	117 247	3 018	5 918	78 516	315 952	361 691	664 803	20 153
325	Chemical manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3315	Foundries	–	2	2	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	–	2	2	f	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries	–	2	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
339942	Lead pencil and art good manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
	LEXINGTON												
31-33	Manufacturing	–	30	17	3 356	98 568	2 736	5 859	68 756	240 280	552 003	798 878	D
332	Fabricated metal product manufacturing	–	11	6	1 868	61 113	1 529	3 479	42 211	168 962	295 064	461 388	7 539
3325	Hardware manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	LIVINGSTON												
31-33	Manufacturing	–	20	7	g	D	D	D	D	D	D	D	D
	LOUDON												
31-33	Manufacturing	1	21	12	2 240	88 331	1 833	3 545	63 670	680 225	444 354	1 126 238	D
336	Transportation equipment manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	MCKENZIE												
31-33	Manufacturing	–	9	5	577	13 150	510	1 090	9 957	15 605	51 648	79 891	D
	MCMINNVILLE												
31-33	Manufacturing	5	25	13	2 046	62 290	1 690	2 961	39 849	161 384	285 902	456 798	6 206
333	Machinery manufacturing	8	6	4	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	–	1	1	f	D	D	D	D	D	D	D	D

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	MANCHESTER												
31-33	Manufacturing	–	11	8	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	–	3	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
339995	Burial casket manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	MARTIN												
31-33	Manufacturing	–	10	6	1 454	35 725	1 191	2 075	23 539	192 798	225 588	427 597	2 445
333	Machinery manufacturing	–	4	1	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	MARYVILLE												
31-33	Manufacturing	–	36	13	3 899	149 330	2 907	5 775	105 606	809 749	1 142 747	1 940 237	D
336	Transportation equipment manufacturing	–	3	2	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	3	2	h	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
	MEMPHIS												
31-33	Manufacturing	–	635	220	26 586	1 065 656	17 370	34 859	567 294	4 154 752	5 485 901	9 585 057	403 003
311	Food manufacturing	–	43	21	3 883	166 859	2 411	4 707	95 743	1 152 060	989 704	2 167 344	45 329
3112	Grain and oilseed milling	–	6	6	g	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing	–	5	5	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	11	4	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	10	3	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	4	3	g	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	–	7	4	920	43 633	658	1 340	31 251	318 897	251 677	570 347	D
3121	Beverage manufacturing	–	6	3	f	D	D	D	D	D	D	D	D
31212	Breweries	–	1	1	f	D	D	D	D	D	D	D	D
312120	Breweries	–	1	1	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	2	29	13	946	21 743	757	1 320	14 147	37 098	62 879	100 805	D
3219	Other wood product manufacturing	2	23	10	821	17 771	653	1 102	11 230	29 657	45 764	75 749	D
32191	Millwork	2	9	5	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	20	12	1 974	86 762	1 303	2 713	43 541	172 003	231 015	404 310	D
3221	Pulp, paper, and paperboard mills	1	2	2	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	–	18	10	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	–	11	6	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	–	117	27	4 229	156 233	3 165	5 987	100 389	323 461	246 528	568 505	14 888
3231	Printing and related support activities	–	117	27	4 229	156 233	3 165	5 987	100 389	323 461	246 528	568 505	14 888
32311	Printing	–	102	23	4 040	147 620	3 034	5 716	95 868	307 548	243 424	549 340	14 559
323110	Commercial lithographic printing	1	51	16	h	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 4. **Industry Statistics for Places: 2002**—Con.

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	MEMPHIS—Con.												
325	Chemical manufacturing	2	53	28	3 052	136 950	1 648	3 377	55 215	491 063	560 306	1 056 505	D
3251	Basic chemical manufacturing	–	8	4	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	8	12	5	588	26 485	264	547	8 261	106 357	144 383	251 381	D
32551	Paint and coating manufacturing	9	9	3	512	22 919	229	470	7 045	87 264	126 934	214 653	D
325510	Paint and coating manufacturing	9	9	3	512	22 919	229	470	7 045	87 264	126 934	214 653	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	1	15	8	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	16	9	644	26 228	377	841	11 423	88 546	88 397	183 064	2 629
3261	Plastics product manufacturing	3	13	8	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	4	31	10	601	19 599	444	846	12 677	62 609	49 134	110 334	D
332	Fabricated metal product manufacturing	1	111	40	2 816	107 394	2 098	4 458	67 353	245 591	242 695	476 206	60 816
3323	Architectural and structural metals manufacturing	1	40	20	1 278	46 063	917	2 109	25 190	115 121	86 096	194 693	24 441
33232	Ornamental and architectural metal products manufacturing	–	25	12	809	27 065	588	1 353	15 717	72 373	45 256	113 903	23 024
333	Machinery manufacturing	–	30	12	1 277	52 403	868	1 826	26 942	130 978	161 990	294 187	2 935
3339	Other general purpose machinery manufacturing	1	14	6	628	31 860	373	753	15 608	58 515	123 742	182 966	D
33392	Material handling equipment manufacturing	–	7	5	555	28 777	330	658	14 234	48 556	115 169	164 396	D
335	Electrical equipment, appliance, and component manufacturing	–	11	6	1 022	32 174	747	1 320	19 598	92 178	189 456	256 789	D
3352	Household appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	–	62	12	h	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	–	28	5	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	–	28	5	g	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	–	7	2	g	D	D	D	D	D	D	D	D
	MILAN												
31-33	Manufacturing	–	18	7	1 877	59 051	1 432	2 622	40 380	156 021	144 283	298 111	11 665
332	Fabricated metal product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	MONTEREY												
31-33	Manufacturing	–	5	2	g	D	D	D	D	D	D	D	D
311	Food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	1	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing	–	1	1	g	D	D	D	D	D	D	D	D

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	MORRISTOWN												
31-33	Manufacturing	1	88	58	13 562	414 396	10 770	20 632	288 454	1 258 568	1 144 350	2 388 886	82 611
311	Food manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	1	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing	–	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	4	6	5	795	26 092	671	1 451	18 764	97 527	141 419	238 920	D
3222	Converted paper product manufacturing	4	6	5	795	26 092	671	1 451	18 764	97 527	141 419	238 920	D
326	Plastics and rubber products manufacturing	–	12	10	f	D	D	D	D	D	D	D	5 785
3261	Plastics product manufacturing	–	12	10	f	D	D	D	D	D	D	D	5 785
333	Machinery manufacturing	1	8	6	1 141	39 311	813	1 521	22 875	89 416	144 862	240 542	9 099
336	Transportation equipment manufacturing	–	4	3	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	4	3	h	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	–	1	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	–	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	–	11	8	4 776	117 486	4 024	7 660	89 539	313 627	233 004	525 138	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	9	6	h	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	–	7	5	h	D	D	D	D	D	D	D	7 031
337121	Upholstered household furniture manufacturing	–	2	2	h	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	MOUNTAIN CITY												
31-33	Manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
313	Textile mills	–	2	2	f	D	D	D	D	D	D	D	D
3131	Fiber, yarn, and thread mills	–	1	1	f	D	D	D	D	D	D	D	D
31311	Fiber, yarn, and thread mills	–	1	1	f	D	D	D	D	D	D	D	D
313111	Yarn spinning mills	–	1	1	f	D	D	D	D	D	D	D	D
	MOUNT JULIET												
31-33	Manufacturing	2	31	8	634	20 902	439	862	12 785	35 599	101 998	136 988	D
	MOUNT PLEASANT												
31-33	Manufacturing	2	15	10	726	21 904	569	982	14 598	62 249	67 662	131 604	5 065

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	MURFREESBORO												
31-33	Manufacturing	–	85	35	4 325	166 213	3 273	6 621	110 017	533 037	842 349	1 374 137	D
311	Food manufacturing	–	7	5	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	9	7	1 183	43 622	774	1 665	19 009	134 526	360 813	494 117	D
3363	Motor vehicle parts manufacturing	–	6	5	f	D	D	D	D	D	D	D	D
	NASHVILLE-DAVIDSON (BALANCE)												
31-33	Manufacturing	1	643	226	27 355	1 041 887	19 981	39 656	671 360	3 532 974	3 227 879	6 709 326	D
311	Food manufacturing	–	50	22	g	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	1	22	7	539	17 381	248	501	6 198	46 133	24 852	70 981	D
31181	Bread and bakery product manufacturing	1	19	6	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	–	5	4	f	D	D	D	D	D	D	D	D
313	Textile mills	–	7	6	g	D	D	D	D	D	D	D	D
3132	Fabric mills	–	2	2	g	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills	–	2	2	g	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	–	2	2	g	D	D	D	D	D	D	D	D
314	Textile product mills	7	21	7	g	D	D	D	D	D	D	D	D
3149	Other textile product mills	4	14	6	f	D	D	D	D	D	D	D	D
31499	All other textile product mills	4	10	5	f	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	4	10	5	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	–	14	5	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	–	12	4	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	2	15	8	647	21 896	509	1 133	14 817	56 347	111 985	171 595	2 347
3222	Converted paper product manufacturing	2	15	8	647	21 896	509	1 133	14 817	56 347	111 985	171 595	2 347
323	Printing and related support activities	2	158	43	3 765	137 562	2 706	4 980	84 924	261 655	133 265	393 085	D
3231	Printing and related support activities	2	158	43	3 765	137 562	2 706	4 980	84 924	261 655	133 265	393 085	D
32311	Printing	2	127	33	2 985	108 407	2 144	3 759	68 133	205 055	119 858	323 168	D
323110	Commercial lithographic printing	2	67	22	1 851	69 807	1 389	2 269	46 058	133 918	73 242	206 768	D
32312	Support activities for printing	3	31	10	780	29 155	562	1 221	16 791	56 600	13 407	69 917	D
325	Chemical manufacturing	1	28	9	f	D	D	D	D	D	D	D	8 978
326	Plastics and rubber products manufacturing	2	25	14	1 399	49 719	1 105	2 290	31 079	153 714	173 233	325 597	10 029
3261	Plastics product manufacturing	2	19	10	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	12	7	789	25 755	650	1 398	17 605	53 193	67 031	120 376	D
326199	All other plastics product manufacturing	1	11	6	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	2	29	10	1 866	96 212	1 520	3 089	74 358	183 308	155 619	338 645	9 332
3272	Glass and glass product manufacturing	–	6	3	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	–	6	3	g	D	D	D	D	D	D	D	D
327211	Flat glass manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	6	16	6	544	19 183	400	865	12 627	59 471	58 529	118 340	3 317

See footnotes at end of table.

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	NASHVILLE-DAVIDSON (BALANCE)—Con.												
332	Fabricated metal product manufacturing	3	71	27	g	D	D	D	D	D	D	D	6 740
3323	Architectural and structural metals manufacturing	1	20	8	f	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	34	11	2 437	111 232	1 742	3 915	68 922	175 990	222 144	385 366	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	14	6	950	51 883	485	1 027	21 921	52 055	44 059	100 829	2 886
33351	Metalworking machinery manufacturing	1	14	6	950	51 883	485	1 027	21 921	52 055	44 059	100 829	2 886
333518	Other metalworking machinery manufacturing	1	2	2	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	2	26	8	f	D	D	D	D	D	D	D	1 044
335	Electrical equipment, appliance, and component manufacturing	–	14	7	2 277	73 273	1 730	3 345	52 343	227 235	203 440	434 699	D
3352	Household appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	–	6	4	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	–	6	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	18	7	g	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	40	14	909	28 136	666	1 345	16 666	53 107	55 661	108 203	D
339	Miscellaneous manufacturing	3	68	16	1 479	43 058	1 082	2 082	25 690	186 419	85 143	274 358	4 496
3399	Other miscellaneous manufacturing	1	42	11	1 172	32 702	884	1 714	20 131	124 726	51 954	180 025	1 703
33999	All other miscellaneous manufacturing	1	18	6	f	D	D	D	D	D	D	D	D
339992	Musical instrument manufacturing	–	7	3	f	D	D	D	D	D	D	D	D
	NEWBERN												
31-33	Manufacturing	–	8	4	g	D	D	D	D	D	D	D	D
311	Food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	1	1	f	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	–	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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	NEWPORT												
31-33	Manufacturing	9	13	4	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	9	3	2	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	9	3	2	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	9	3	2	f	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
	NEW TAZEWELL												
31-33	Manufacturing	–	13	9	2 841	61 817	2 429	4 734	49 875	176 738	150 870	325 393	3 373
337	Furniture and related product manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	–	4	3	g	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
	OAK RIDGE												
31-33	Manufacturing	–	57	21	6 748	370 726	1 992	3 884	86 846	853 798	133 979	983 310	D
325	Chemical manufacturing	–	3	2	h	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	–	10	4	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	9	4	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	9	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	ONEIDA												
31-33	Manufacturing	–	13	4	1 369	37 113	1 130	2 262	27 369	81 025	122 225	192 833	D
321	Wood product manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
32191	Millwork	–	1	1	f	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	–	1	1	f	D	D	D	D	D	D	D	D
	PARIS												
31-33	Manufacturing	1	22	5	741	20 458	597	1 188	14 095	62 525	99 560	173 887	D
	PORTLAND												
31-33	Manufacturing	1	39	23	3 285	101 062	2 589	4 810	70 960	240 795	279 338	525 423	D
332	Fabricated metal product manufacturing	–	11	7	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	9	7	1 396	44 456	1 139	2 178	35 173	92 746	162 037	256 620	D
3363	Motor vehicle parts manufacturing	1	9	7	1 396	44 456	1 139	2 178	35 173	92 746	162 037	256 620	D
33637	Motor vehicle metal stamping	–	6	4	1 058	35 266	833	1 561	27 528	72 786	143 401	218 101	D
336370	Motor vehicle metal stamping	–	6	4	1 058	35 266	833	1 561	27 528	72 786	143 401	218 101	D

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	PULASKI												
31-33	Manufacturing	–	26	13	2 268	77 118	1 803	3 547	53 670	295 247	215 600	512 362	D
332	Fabricated metal product manufacturing	–	4	1	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	RIPLEY												
31-33	Manufacturing	–	6	5	2 564	60 931	2 277	3 927	47 790	168 198	99 873	269 471	7 516
321	Wood product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32191	Millwork	–	1	1	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
	ROGERSVILLE												
31-33	Manufacturing	1	9	5	f	D	D	D	D	D	D	D	D
	SELMER												
31-33	Manufacturing	–	17	7	1 358	40 769	906	1 526	24 294	114 296	174 461	288 402	7 856
	SEVIERVILLE												
31-33	Manufacturing	–	27	6	1 034	32 395	788	1 653	20 322	75 388	59 769	137 277	2 926
	SHELBYVILLE												
31-33	Manufacturing	–	38	16	4 169	140 825	3 574	7 296	109 503	374 570	727 115	1 112 930	26 076
311	Food manufacturing	–	2	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	–	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	–	1	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing	–	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	3	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	2	6	5	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	2	6	5	f	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	2	5	4	f	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	SMITHVILLE												
31-33	Manufacturing	3	16	9	2 523	118 319	2 141	4 315	97 842	214 136	209 070	423 706	D
336	Transportation equipment manufacturing	2	3	3	g	D	D	D	D	D	D	D	17 629
3363	Motor vehicle parts manufacturing	2	3	3	g	D	D	D	D	D	D	D	17 629
33634	Motor vehicle brake system manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	3	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	3	2	2	f	D	D	D	D	D	D	D	D

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	SMYRNA												
31-33	Manufacturing	–	26	8	9 257	455 295	7 080	13 815	325 622	235 599	5 047 882	5 280 636	D
325	Chemical manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
	SOUTH PITTSBURG												
31-33	Manufacturing	2	7	5	822	21 361	737	1 450	17 452	53 339	46 560	99 702	D
313	Textile mills	2	2	2	f	D	D	D	D	D	D	D	D
3131	Fiber, yarn, and thread mills	2	2	2	f	D	D	D	D	D	D	D	D
31311	Fiber, yarn, and thread mills	2	2	2	f	D	D	D	D	D	D	D	D
	SPARTA												
31-33	Manufacturing	3	22	10	1 870	51 980	1 556	2 927	37 114	99 391	148 395	250 046	8 281
334	Computer and electronic product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	–	1	1	f	D	D	D	D	D	D	D	D
	SPRINGFIELD												
31-33	Manufacturing	1	38	21	4 270	120 580	3 605	7 010	86 831	376 431	640 203	1 029 566	21 347
335	Electrical equipment, appliance, and component manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	4	4	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	4	4	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
	SWEETWATER												
31-33	Manufacturing	1	27	9	943	30 438	746	1 370	19 996	70 753	80 579	153 137	D
	TULLAHOMA												
31-33	Manufacturing	–	42	23	h	D	D	D	D	D	D	D	19 253
334	Computer and electronic product manufacturing	–	4	2	f	D	D	D	D	D	D	D	D

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	UNION CITY												
31-33	Manufacturing	1	16	8	i	D	D	D	D	D	D	D	43 361
311	Food manufacturing	9	2	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	9	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	9	1	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing	9	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
32621	Tire manufacturing	–	1	1	h	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	h	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	WINCHESTER												
31-33	Manufacturing	–	19	12	g	D	D	D	D	D	D	D	8 364
326	Plastics and rubber products manufacturing	–	7	5	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	–	1	1	f	D	D	D	D	D	D	D	D
	BALANCE OF ANDERSON COUNTY												
31-33	Manufacturing	–	28	11	1 095	30 500	920	1 707	22 772	92 523	67 416	159 441	D
	BALANCE OF BLEDSOE COUNTY												
31-33	Manufacturing	–	13	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	3	3	f	D	D	D	D	D	D	D	D
	BALANCE OF BLOUNT COUNTY												
31-33	Manufacturing	–	63	14	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	–	4	3	f	D	D	D	D	D	D	D	D
	BALANCE OF BRADLEY COUNTY												
31-33	Manufacturing	–	42	13	1 533	64 869	1 105	2 044	41 995	707 532	306 975	1 013 873	D
325	Chemical manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
	BALANCE OF CAMPBELL COUNTY												
31-33	Manufacturing	1	36	12	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	–	13	3	f	D	D	D	D	D	D	D	D
	BALANCE OF CARROLL COUNTY												
31-33	Manufacturing	2	27	8	825	22 037	632	1 248	14 652	53 660	35 353	89 845	D
332	Fabricated metal product manufacturing	4	7	3	f	D	D	D	D	D	D	D	D
	BALANCE OF CARTER COUNTY												
31-33	Manufacturing	–	21	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 4. **Industry Statistics for Places: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E[1]	All establishments[2] Total	All establishments[2] With 20 employees or more	All employees Number[3]	All employees Payroll ($1,000)	Production workers Number[4]	Production workers Hours (1,000)	Production workers Wages ($1,000)	Value added ($1,000)	Total cost of materials ($1,000)	Total value of shipments ($1,000)	Total capital expenditures ($1,000)
	BALANCE OF COCKE COUNTY												
31-33	Manufacturing	–	22	7	g	D	D	D	D	D	D	D	D
	BALANCE OF COFFEE COUNTY												
31-33	Manufacturing	1	16	6	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	3	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	2	2	g	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	BALANCE OF CROCKETT COUNTY												
31-33	Manufacturing	–	21	6	1 036	29 854	810	1 558	17 797	142 578	71 595	214 805	7 552
311	Food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, and vegetable manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	BALANCE OF DECATUR COUNTY												
31-33	Manufacturing	1	33	11	791	17 835	597	1 095	11 366	69 495	65 316	135 605	4 901
	BALANCE OF DICKSON COUNTY												
31-33	Manufacturing	1	36	8	944	30 624	721	1 482	19 028	74 125	66 070	140 188	3 821
	BALANCE OF FAYETTE COUNTY												
31-33	Manufacturing	1	29	12	1 406	47 647	1 124	2 136	32 689	175 014	127 423	303 103	D
326	Plastics and rubber products manufacturing	3	6	5	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	3	5	5	f	D	D	D	D	D	D	D	D
	BALANCE OF GIBSON COUNTY												
31-33	Manufacturing	–	30	7	1 054	35 381	675	1 330	19 765	123 058	60 995	182 120	D
332	Fabricated metal product manufacturing	–	8	3	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
332993	Ammunition (except small arms) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	BALANCE OF GILES COUNTY												
31-33	Manufacturing	–	17	7	830	23 736	679	1 346	17 963	67 317	80 459	148 728	D
	BALANCE OF GREENE COUNTY												
31-33	Manufacturing	–	42	13	2 956	95 414	2 282	4 988	60 204	291 980	283 469	571 019	25 503
322	Paper manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	–	2	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 4. **Industry Statistics for Places: 2002**—Con.

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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	BALANCE OF HAMBLEN COUNTY												
31-33	Manufacturing	2	35	10	1 153	37 669	909	1 699	24 349	72 459	134 285	204 667	7 221
325	Chemical manufacturing	3	3	2	f	D	D	D	D	D	D	D	D
	BALANCE OF HAMILTON COUNTY												
31-33	Manufacturing	1	57	19	1 653	53 247	1 184	2 309	31 754	129 540	206 350	337 450	D
336	Transportation equipment manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
	BALANCE OF HARDEMAN COUNTY												
31-33	Manufacturing	3	27	8	1 605	51 711	1 302	2 285	35 847	209 785	183 586	399 151	42 225
333	Machinery manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
333921	Elevator and moving stairway manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	BALANCE OF HARDIN COUNTY												
31-33	Manufacturing	–	38	13	1 513	59 234	1 241	2 550	45 771	257 902	246 104	504 133	D
	BALANCE OF HAWKINS COUNTY												
31-33	Manufacturing	1	31	13	2 974	90 163	2 304	4 368	60 748	328 240	205 837	536 368	20 659
332	Fabricated metal product manufacturing	–	12	4	605	22 202	487	923	16 079	92 289	23 662	118 076	1 397
336	Transportation equipment manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	3	2	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
	BALANCE OF HENRY COUNTY												
31-33	Manufacturing	–	30	10	1 903	44 845	1 507	2 687	31 061	100 878	111 258	211 512	D
326	Plastics and rubber products manufacturing	1	3	3	895	21 160	716	1 355	15 150	41 253	48 958	90 370	2 827
3262	Rubber product manufacturing	–	2	2	f	D	D	D	D	D	D	D	D
	BALANCE OF HUMPHREYS COUNTY												
31-33	Manufacturing	–	25	11	1 693	81 944	1 198	2 384	56 780	356 021	393 192	747 542	34 789
325	Chemical manufacturing	–	7	4	f	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
325131	Inorganic dye and pigment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	BALANCE OF JACKSON COUNTY												
31-33	Manufacturing	2	8	5	700	16 828	611	1 222	12 820	80 065	82 422	162 308	D
	BALANCE OF JEFFERSON COUNTY												
31-33	Manufacturing	–	43	12	1 237	35 662	994	2 017	26 601	252 830	224 712	476 803	D

See footnotes at end of table.

Table 4. **Industry Statistics for Places: 2002**—Con.

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	BALANCE OF KNOX COUNTY												
31-33	Manufacturing	–	r168	60	r8 081	r271 749	5 791	10 575	157 596	r1 017 708	r1 035 615	r2 031 980	58 862
311	Food manufacturing	–	8	4	993	30 005	434	858	11 459	84 808	57 860	143 109	2 214
3118	Bakeries and tortilla manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	–	1	1	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing	–	8	3	1 250	26 978	1 120	1 475	21 777	44 630	35 701	78 884	D
3152	Cut and sew apparel manufacturing	–	7	3	g	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	–	12	9	556	18 207	431	969	12 548	47 703	45 909	93 205	D
3261	Plastics product manufacturing	–	10	9	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	30	10	808	26 437	637	1 351	17 529	80 180	73 939	156 176	3 542
334	Computer and electronic product manufacturing	–	r10	7	r1 181	r62 902	604	1 180	22 435	r221 361	r237 374	r438 320	D
3343	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	–	8	6	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	–	8	6	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	14	8	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	8	5	f	D	D	D	D	D	D	D	11 796
3366	Ship and boat building	–	3	3	g	D	D	D	D	D	D	D	D
33661	Ship and boat building	–	3	3	g	D	D	D	D	D	D	D	D
336612	Boat building	–	3	3	g	D	D	D	D	D	D	D	D
	BALANCE OF LAWRENCE COUNTY												
31-33	Manufacturing	2	37	10	590	16 711	488	976	12 279	35 071	32 226	67 944	2 348
	BALANCE OF MCMINN COUNTY												
31-33	Manufacturing	–	27	10	g	D	D	D	D	D	D	D	D
322	Paper manufacturing	–	1	1	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	–	1	1	g	D	D	D	D	D	D	D	D
32212	Paper mills	–	1	1	g	D	D	D	D	D	D	D	D
322122	Newsprint mills	–	1	1	g	D	D	D	D	D	D	D	D
	BALANCE OF MCNAIRY COUNTY												
31-33	Manufacturing	–	26	4	1 200	25 121	1 011	1 510	16 112	71 650	53 339	125 040	2 168
326	Plastics and rubber products manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326191	Plastics plumbing fixture manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	BALANCE OF MACON COUNTY												
31-33	Manufacturing	7	23	5	504	7 205	453	525	5 458	12 131	14 053	26 215	D

See footnotes at end of table.

Table 4. **Industry Statistics for Places: 2002**—Con.

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	BALANCE OF MAURY COUNTY												
31-33	Manufacturing	–	18	6	i	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	2	1	i	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	–	1	1	i	D	D	D	D	D	D	D	D
	BALANCE OF MEIGS COUNTY												
31-33	Manufacturing	–	11	5	659	20 068	603	1 310	16 661	48 155	137 442	185 832	1 348
313	Textile mills	–	2	2	f	D	D	D	D	D	D	D	D
	BALANCE OF MONROE COUNTY												
31-33	Manufacturing	–	40	17	3 527	118 878	2 788	5 780	82 383	304 826	472 463	786 500	25 144
336	Transportation equipment manufacturing	–	6	6	2 299	81 141	1 843	3 829	54 826	224 242	363 431	587 159	14 838
3363	Motor vehicle parts manufacturing	–	2	2	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3366	Ship and boat building	–	3	3	g	D	D	D	D	D	D	D	D
33661	Ship and boat building	–	3	3	g	D	D	D	D	D	D	D	D
336612	Boat building	–	3	3	g	D	D	D	D	D	D	D	D
	BALANCE OF MONTGOMERY COUNTY												
31-33	Manufacturing	–	14	6	1 932	73 365	1 582	3 603	52 219	217 206	145 106	363 242	12 928
323	Printing and related support activities	–	1	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	–	1	1	f	D	D	D	D	D	D	D	D
32311	Printing	–	1	1	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	–	1	1	f	D	D	D	D	D	D	D	D
	BALANCE OF OBION COUNTY												
31-33	Manufacturing	–	19	8	f	D	D	D	D	D	D	D	D
	BALANCE OF PERRY COUNTY												
31-33	Manufacturing	–	11	5	1 392	36 932	1 026	1 812	27 940	84 130	105 074	189 454	2 574
326	Plastics and rubber products manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	–	1	1	f	D	D	D	D	D	D	D	D
	BALANCE OF ROANE COUNTY												
31-33	Manufacturing	–	12	6	f	D	D	D	D	D	D	D	D
	BALANCE OF SCOTT COUNTY												
31-33	Manufacturing	1	33	9	882	23 336	742	1 485	17 348	64 467	49 929	117 995	D
	BALANCE OF SHELBY COUNTY												
31-33	Manufacturing	1	55	18	1 579	71 555	1 073	2 218	43 139	307 337	401 155	710 784	14 248
325	Chemical manufacturing	1	11	7	810	46 296	556	1 148	28 627	241 382	341 062	583 845	12 516

See footnotes at end of table.

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	BALANCE OF SMITH COUNTY												
31-33	Manufacturing	–	24	12	1 866	59 820	1 427	2 442	38 443	220 929	370 901	586 790	D
332	Fabricated metal product manufacturing	–	5	3	f	D	D	D	D	D	D	D	D
	BALANCE OF STEWART COUNTY												
31-33	Manufacturing	–	13	6	729	16 631	662	1 362	14 027	63 607	50 521	113 225	1 117
	BALANCE OF SULLIVAN COUNTY												
31-33	Manufacturing	–	61	21	1 459	45 525	1 085	2 293	27 215	141 997	120 569	258 218	D
	BALANCE OF SUMNER COUNTY												
31-33	Manufacturing	–	20	6	1 051	37 808	838	1 695	26 238	72 167	73 642	147 664	D
	BALANCE OF UNION COUNTY												
31-33	Manufacturing	2	19	11	938	26 356	770	1 586	18 166	83 854	73 729	156 049	D
	BALANCE OF WARREN COUNTY												
31-33	Manufacturing	–	40	13	2 305	99 897	1 923	3 200	76 277	257 431	322 265	579 842	14 810
326	Plastics and rubber products manufacturing	–	4	2	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
32621	Tire manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	–	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	–	2	1	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	–	1	1	f	D	D	D	D	D	D	D	D
	BALANCE OF WASHINGTON COUNTY												
31-33	Manufacturing	–	37	10	700	25 898	471	901	12 187	51 998	65 543	118 417	D
	BALANCE OF WAYNE COUNTY												
31-33	Manufacturing	2	21	8	f	D	D	D	D	D	D	D	D
	BALANCE OF WEAKLEY COUNTY												
31-33	Manufacturing	1	27	10	804	22 111	646	1 263	15 676	109 584	72 552	181 011	2 125
	BALANCE OF WHITE COUNTY												
31-33	Manufacturing	–	28	10	1 103	27 835	942	1 849	21 145	161 155	235 269	394 164	9 187
	BALANCE OF WILLIAMSON COUNTY												
31-33	Manufacturing	–	16	6	855	23 783	763	1 314	18 815	48 006	80 491	129 676	D

[1]Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

[2]Includes establishments with payroll at any time during the year.

[3]Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: f–500 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.

[4]Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 5. **Detailed Statistics for the State: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Item		Value
TENNESSEE		
Companies[1]	number	N
All establishments[2]	number	6 948
Establishments with 1 to 19 employees	number	r4 401
Establishments with 20 to 99 employees	number	r1 644
Establishments with 100 employees or more	number	903
All employees[3]	number	r411 495
Total compensation	$1,000	r19 064 996
Annual payroll	$1,000	r14 824 828
Total fringe benefits	$1,000	r4 240 168
Production workers, average for year	number	r310 738
Production workers on March 12	number	r311 829
Production workers on May 12	number	r312 785
Production workers on August 12	number	r311 305
Production workers on November 12	number	r306 426
Production worker hours	1,000	r616 290
Production worker wages	$1,000	r9 612 293
Total cost of materials	$1,000	r59 640 864
Materials, parts, containers, packaging, etc., used	$1,000	r53 510 166
Resales	$1,000	r3 605 692
Purchased fuels	$1,000	r709 083
Purchased electricity	$1,000	r1 134 602
Contract work	$1,000	r681 321
Quantity of electricity purchased for heat and power	1,000 kWh	r28 678 133
Quantity of electricity generated less sold for heat and power	1,000 kWh	2 458 509
Total value of shipments	$1,000	r109 293 454
Value of resales	$1,000	r4 468 255
Value added	$1,000	r49 811 004
Total inventories, beginning of year	$1,000	r9 951 184
Finished goods inventories	$1,000	r5 063 530
Work-in-process inventories	$1,000	r1 512 672
Materials and supplies inventories	$1,000	r3 374 982
Total inventories, end of year	$1,000	r10 231 653
Finished goods inventories	$1,000	r5 233 088
Work-in-process inventories	$1,000	r1 536 413
Materials and supplies inventories	$1,000	r3 462 152
Gross value of depreciable assets (acquisition costs) at beginning of year	$1,000	r51 803 374
Total capital expenditures (new and used)	$1,000	r4 526 574
Buildings and other structures (new and used)	$1,000	r731 513
Machinery and equipment (new and used)	$1,000	r3 795 061
Automobiles, trucks, etc., for highway use	$1,000	r333 867
Computers and peripheral data processing equipment	$1,000	r339 271
All other expenditures for machinery and equipment	$1,000	r3 121 923
Total retirements	$1,000	r2 211 458
Gross value of depreciable assets at end of year	$1,000	r54 118 490
Depreciation charges during year	$1,000	r3 499 649
Total rental payments	$1,000	r682 908
Buildings and other structures	$1,000	r326 163
Machinery and equipment	$1,000	r356 745

[1]For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
[2]Includes establishments with payroll at any time during the year.
[3]Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

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 were producing the same line of goods, a separate report was requested for each location. If the company operated in two or more distinct lines of manufacturing at the same location, a separate report was 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 was required for each manufacturing establishment (plant) with one employee or more that was in operation at any time during the year.

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

PAYROLL

This item includes the gross earnings of all employees on the payrolls of operating manufacturing establishments paid in the calendar year. Respondents were 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 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 were 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.

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.

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 was not at the establishment.

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 this item 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.

Specific materials consumed

In addition to the total cost of materials, which every establishment was required to report, information also was collected for most manufacturing industries on the consumption of major materials used in manufacturing. The inquiries were restricted to those materials that were important parts of the cost of production in a particular industry and for which cost information was available from manufacturers' records. If less than $25,000 of a listed material was consumed by an establishment, the cost data could be reported in the "Cost of all other materials" Census material code 00970099.

Also, the cost of materials for small establishments for which administrative records or short forms were used was imputed into the "Materials not specified by kind" Census materials code 00971000.

QUANTITY OF ELECTRICITY PURCHASED FOR HEAT AND POWER

Data on the cost of purchased electric energy were collected on all census forms. However, data on the quantity of purchased electric energy were collected only on the Annual Survey of Manufactures (ASM) form. In addition, information is 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.

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.

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

Industry primary product value of shipments represents one of three components of value of shipments. These components are:

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

Primary product shipments is used in the calculations of industry specialization ratio and industry coverage ratio.

Duplication in cost of materials and value of shipment

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.

Before 1962, cost of materials and value of shipments were not published for some industries that included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

Specialization and coverage ratio

An establishment is classified in a particular industry, if its shipments of primary products of that industry exceed in value its shipments of the products of any other single industry.

An establishment's shipments include those products assigned to an industry (primary products), those considered primary to other industries (secondary products), and receipts for miscellaneous activities (merchandising, contract work, resales, etc.).

Specialization and coverage ratio have been developed to measure the relationship of primary product shipments to the data on shipments for a particular industry.

Specialization ratio represents the ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for the establishments classified in the industry.

Coverage ratio represents the ratio of primary products shipped by the establishments classified in the industry to the total shipments of such products that are shipped by all manufacturing establishments wherever classified.

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.

TOTAL END-OF-YEAR INVENTORIES

This item is comprised of:

a. Finished products

b. Work-in-process

c. Materials, supplies, fuels, etc.

Beginning in 1982, respondents were asked to report their inventories at (the lower of) 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. Therefore, 1982 through 2002 data for inventories are not strictly comparable to prior-year data.

In addition, total beginning-of-year inventories is the sum of several different types of inventory valuations.

Inventory valuations include:

1. Subject to Last-in, first-out (LIFO) costing (including LIFO reserve and value)
2. Not subject to LIFO costing
3. Valuation method not reported, and
4. Amount subject to LIFO reported without associated reserve and value.

GROSS VALUE OF DEPRECIABLE/DEPLETABLE ASSETS AT BEGINNING OF YEAR

Gross value of depreciable/depletable assets includes all fixed depreciable/depletable assets contained in accounting records of establishments. The values shown (gross book value) represent the actual cost of assets at the time they were acquired. Included are all costs incurred in making the assets usable (such as transportation and installation)

Gross value of depreciable/depletable assets includes:

1. Buildings and other structures (new and used).
2. Machinery and equipment (new and used), including automobiles, trucks, etc. for highway use and computers and peripheral data processing equipment.
3. Retirements.

Excluded are nondepreciable capital assets including inventories and intangible assets.

The definition of fixed depreciable assets is consistent with the definition of capital expenditures. For example, expenditures include actual capital outlays during the year rather than the final value of equipment put in place and buildings completed during the year.

In addition, respondents were requested to make certain that assets at the beginning of the year plus capital expenditures, less retirements, equaled assets at the end of the year.

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.

RETIREMENTS OF DEPRECIABLE ASSETS

Included in this item is the gross value of assets sold, retired, scrapped, destroyed, etc., during the calendar year. When a complete operation or establishment changed ownership, the respondent was instructed to report the value of the assets sold at the original cost as recorded in the books of the seller. The respondent also was requested to report retirements of equipment or structures owned by a parent company that the establishment was using as if it were a tenant.

RENTAL PAYMENTS

Total rental payments are collected on all census forms. However, the breakdown between rental payments for buildings and other structures and rental payments for machinery and equipment is collected only on the ASM forms. This item includes rental payments for the use of all items for which depreciation reserves would be maintained if they were owned by the establishment, e.g., structures and buildings, and production, office, and transportation equipment. Excluded are royalties and other payments for the use of intangibles and depletable assets and land rents where separable.

When an establishment of a multiestablishment company was charged rent by another part of the same company for the use of assets owned by the company, it was instructed to exclude that cost from rental payments.

However, the book value (original cost) of these company-owned assets was to be reported as assets of the establishment at the end of the year.

If there were assets at an establishment rented from another company and the rents were paid centrally by the head office of the establishment, the company was instructed to report these rental payments as if they were paid directly by the establishment.

DEPRECIATION CHARGES FOR FIXED ASSETS

This item includes depreciation and amortization charged during the year against assets. Depreciation charged against fixed assets acquired since the beginning of the year and against assets sold or retired during the year are components of this category. Respondents were requested to make certain that they did not report accumulated depreciation.

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 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:

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. Manufacturing 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:

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. Manufacturing malt from barley, rye, or other grains.

311211 FLOUR MILLING

This U.S. industry comprises establishments primarily engaged in the following:

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 of the following:

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:

1. Wet milling corn and vegetables;
2. Crushing oilseeds and tree nuts;
3. Refining and/or blending vegetable oils;
4. Manufacturing 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).

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.

311225 FATS AND OILS REFINING AND BLENDING

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

1. Manufacturing 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.

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 of the following:

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.

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.

311313 BEET SUGAR MANUFACTURING

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

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 primary 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 primary 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 the following:

1. Those that freeze food and
2. Those that use preservation processes, such as pickling, canning, and dehydrating.

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.

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.

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, chili, 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 of the following:

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:

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

311511 FLUID MILK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

1. Manufacturing processed milk products, such as pasteurized milk or cream and sour cream and/or
2. Manufacturing 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.

311513 CHEESE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing cheese products (except cottage cheese) from raw milk and/or processed milk products and/or
2. manufacturing 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.

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:

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:

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.

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.

311615 POULTRY PROCESSING

This U.S. industry comprises establishments primarily engaged in:

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

3117 SEAFOOD PRODUCT PREPARATION AND PACKAGING

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

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:

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.

311711 SEAFOOD CANNING

This U.S. industry comprises establishments primarily engaged in one of the following:

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:

1. Eviscerating fresh fish by removing heads, fins, scales, bones, and entrails;
2. Shucking and packing fresh shellfish;

3. Manufacturing 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:

1. Bread and bakery product manufacturing;
2. Cookie, cracker, and pasta manufacturing; and
3. Tortilla manufacturing.

31181 BREAD AND BAKERY PRODUCT MANUFACTURING

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

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 of the following:

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

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

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.

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:

1. Salting, roasting, drying, cooking, or canning nuts;
2. Processing grains or seeds into snacks;
3. Manufacturing peanut butter; and
4. Manufacturing potato chips, corn chips, popped popcorn, pretzels (except soft), pork rinds, and similar snacks.

311911 ROASTED NUTS AND PEANUT BUTTER MANUFACTURING

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

1. Salting, roasting, drying, cooking, or canning nuts;
2. Processing grains or seeds into snacks; and
3. Manufacturing 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:

1. Roasting coffee;
2. Manufacturing coffee and tea concentrates (including instant and freeze-dried);
3. Blending tea;
4. Manufacturing herbal tea; and
5. Manufacturing 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:

1. Roasting coffee;
2. Manufacturing coffee and tea concentrates (including instant and freeze-dried);
3. Blending tea;
4. Manufacturing herbal tea; and
5. Manufacturing 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 U.S. industry comprises establishments primarily engaged in one or more of the following:

1. Manufacturing 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. Manufacturing spices, table salt, seasoning, and flavoring extracts (except coffee and meat), and natural food colorings; and
3. Manufacturing dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

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 of the following:

1. Manufacturing spices, table salt, seasonings, flavoring extracts (except coffee and meat), and natural food colorings and/or
2. Manufacturing 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.

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 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; 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:

1. Manufacturing soft drinks;

2. Manufacturing ice; and
3. Purifying and bottling water.

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:

1. Growing grapes and manufacturing wine and brandies;
2. Manufacturing 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:

1. Growing grapes and manufacturing wine and brandies;
2. Manufacturing 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:

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:

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.

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 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 NAICS Industry Group include establishments classified in NAICS Industry 31311, Fiber, Yarn, and Thread Mills.

31311 FIBER, YARN, AND THREAD MILLS

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

1. spinning yarn

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

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:

1. Broadwoven fabric mills;
2. Narrow fabric mills and schiffli machine embroidery;
3. Nonwoven fabric mills; and
4. Knit fabric mills.

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:

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

313221 NARROW FABRIC MILLS

This U.S. industry comprises establishments primarily engaged in:

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 of the following:

1. knitting weft (i.e., circular) and warp (i.e., flat) fabric
2. knitting and finishing weft and warp fabric
3. manufacturing lace
4. manufacturing, 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).

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 of the following:

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

1. Textile and fabric finishing mills and
2. Fabric coating mills.

31331 TEXTILE AND FABRIC FINISHING MILLS

This industry comprises:

1. establishments primarily engaged in finishing of textiles, fabrics, and apparel
2. establishments of converters who buy fabric goods in the grey, have them finished on contract, and sell at wholesale. Finishing operations include:

a. bleaching

b. dyeing

c. printing (e.g., roller, screen, flock, plisse)

d. stonewashing

e. other mechanical finishing (preshrinking, shrinking, sponging, calendering, mercerizing, and napping; as well as cleaning, scouring, and the preparation of natural fibers and raw stock).

313311 BROADWOVEN FABRIC FINISHING MILLS

This U.S. industry comprises:

1. Establishments primarily engaged in finishing broadwoven fabrics
2. Establishments of 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:

1. Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of textiles, apparel, and fabrics (except broadwoven)
2. Establishments of 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:

1. Carpet and rug mills and
2. Curtain and linen mills.

31411 CARPET AND RUG MILLS

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

1. Manufacturing 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:

1. manufacturing 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.

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.

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.

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 of the following:

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.

315191 OUTERWEAR KNITTING MILLS

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

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 of the following:

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 of the following:

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

315211 MEN'S AND BOYS' CUT AND SEW APPAREL CONTRACTORS

This U.S. industry comprises establishments (commonly referred to as contractors) primarily engaged in:

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 of the following:

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.

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.

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.

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.

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:

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:

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:

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).

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).

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:

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
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.

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:

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:

1. Manufacturing veneer and/or plywood;
2. Manufacturing engineered wood members; and
3. Manufacturing 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:

1. manufacturing veneer and/or plywood;
2. manufacturing engineered wood members; and
3. manufacturing 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.

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.

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.

321219 RECONSTITUTED WOOD PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing reconstituted wood sheets and boards.

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.

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:

1. manufacturing dimension lumber from purchased lumber;
2. manufacturing 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 U.S. industry comprises establishments primarily engaged in manufacturing wood pallets, wood box shook, 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 shook, 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 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.

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.

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:

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. manufacturing 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. manufacturing laminated aluminum and other converted metal foils from purchased foils; and
5. surface coating paper or paperboard.

322221 COATED AND LAMINATED PACKAGING PAPER AND PLASTICS FILM MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

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 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.

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.

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:

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, 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:

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.

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.

323121 TRADEBINDING AND RELATED WORK

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

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:

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:

1. Petroleum refineries manufacturing;
2. Asphalt paving, roofing, and saturated materials manufacturing; and/or
3. Other petroleum and coal products manufacturing.

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 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 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:

1. manufacturing 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:

1. saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials and
2. manufacturing 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 of the following:

1. manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or
2. manufacturing 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 of the following:

1. manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or
2. manufacturing 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).

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).

325191 GUM AND WOOD CHEMICAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in (1) distilling wood or gum into products, such as tall oil and wood distillates, and (2) manufacturing 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 (1) distilling coal tars and/or (2) manufacturing 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:

1. Resin and synthetic rubber manufacturing and
2. Artificial and synthetic fibers and filaments manufacturing.

32521 RESIN AND SYNTHETIC RUBBER MANUFACTURING

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

1. manufacturing synthetic resins, plastics materials, and nonvulcanizable elastomers and mixing and blending resins on a custom basis;
2. manufacturing noncustomized synthetic resins; and
3. manufacturing synthetic rubber.

325211 PLASTICS MATERIAL AND RESIN MANUFACTURING

This U.S. industry comprises establishments primarily engaged in

1. manufacturing resins, plastics materials, and nonvulcanizable thermoplastic elastomers and mixing and blending resins on a custom basis and/or
2. manufacturing noncustomized synthetic resins.

325212 SYNTHETIC RUBBER MANUFACTURING

This U.S. industry consists of establishments primarily engaged in manufacturing synthetic rubber.

32522 ARTIFICIAL AND SYNTHETIC FIBERS AND FILAMENTS MANUFACTURING

This industry comprises establishments primarily engaged in one of the following:

1. manufacturing 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.

325221 CELLULOSIC ORGANIC FIBER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in one of the following:

1. manufacturing 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 consists of establishments primarily engaged in one of the following:

1. manufacturing 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 includes establishments classified in one of the following:

1. Fertilizer manufacturing and/or
2. Pesticide and other agricultural chemical manufacturing.

32531 FERTILIZER MANUFACTURING

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

1. manufacturing nitrogenous or phosphatic fertilizer materials;
2. manufacturing fertilizers from sewage or animal waste;
3. manufacturing 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:

1. manufacturing nitrogenous fertilizer materials and mixing ingredients into fertilizers;
2. manufacturing fertilizers from sewage or animal waste; and
3. manufacturing nitrogenous materials and mixing them into fertilizers.

325312 PHOSPHATIC FERTILIZER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing phosphatic fertilizer materials or
2. manufacturing 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:

1. Manufacturing 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. Manufacturing 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:

1. manufacturing 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. manufacturing 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 of the following:

1. manufacturing 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:

1. Paint and coating manufacturing and/or
2. Adhesive manufacturing.

32551 PAINT AND COATING MANUFACTURING

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

1. mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellant coatings for concrete and masonry, and/or

2. manufacturing 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:

1. mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellant coatings for concrete and masonry and/or

2. manufacturing 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:

1. Soap and cleaning compound manufacturing and/or

2. Toilet preparation manufacturing.

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.

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 group comprises establishments primarily engaged in one or more of the following:

1. manufacturing bulk surface active agents for use as wetting agents, emulsifiers, and penetrants, and/or

2. manufacturing 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 U.S. 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 group comprises establishments primarily engaged in one or more of the following:

1. custom mixing and blending plastics resins made elsewhere or
2. reformulating plastics resins from recycled plastics products.

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 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 group comprises establishments primarily engaged in one or more of the following:

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 of the following:

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 unlaminated 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).

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.

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.

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, nonclay 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.

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:

1. manufacturing flat glass by melting silica sand or cullet; or
2. manufacturing 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:

1. Cement manufacturing;
2. Ready-mix concrete manufacturing;
3. Concrete pipe, brick, and block manufacturing; and/or
4. Other concrete product manufacturing.

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.

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:

1. Direct reduction of iron ore;
2. Manufacturing pig iron in molten or solid form;
3. Converting pig iron into steel;
4. Manufacturing ferroalloys;
5. Making steel;
6. Making steel and manufacturing 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:

1. direct reduction of iron ore;
2. manufacturing pig iron in molten or solid form;
3. converting pig iron into steel;
4. manufacturing ferroalloys;
5. making steel;
6. making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, and wire); and
7. making steel and forming pipe and tube.

331111 IRON AND STEEL MILLS

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

1. direct reduction of iron ore;

2. manufacturing pig iron in molten or solid form;
3. converting pig iron into steel;
4. making steel;
5. making steel and manufacturing 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.

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:

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. Manufacturing 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:

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. manufacturing 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:

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:

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. manufacturing alloys, powder, paste, or flake from purchased aluminum.

331315 ALUMINUM SHEET, PLATE, AND FOIL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

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.

331316 ALUMINUM EXTRUDED PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

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.

331319 OTHER ALUMINUM ROLLING AND DRAWING

This U.S. industry comprises establishments primarily engaged in:

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 of the following:

1. Nonferrous metal (except aluminum) smelting and refining;
2. Copper rolling, drawing, extruding, and alloying; and/or
3. Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying.

33141 NONFERROUS METAL (EXCEPT ALUMINUM) SMELTING AND REFINING

This industry comprises establishments primarily engaged in:

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 of the following:

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:

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:

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).

331421 COPPER ROLLING, DRAWING, AND EXTRUDING

This U.S. industry comprises establishments primarily engaged in:

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:

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:

1. recovering nonferrous metals (except copper and aluminum) and nonferrous metal alloys from scrap;
2. alloying purchased nonferrous metals (except copper and aluminum);
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.

331491 NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM) ROLLING, DRAWING, AND EXTRUDING

This U.S. industry comprises establishments primarily engaged in:

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:

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.

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.

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.

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.

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.

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 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:

1. Manufacturing forgings from purchased metals;
2. Manufacturing metal custom roll forming products;
3. Manufacturing metal stamped and spun products (except automotive, cans, and coins); and
4. Manufacturing 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:

1. manufacturing forgings from purchased metals;
2. manufacturing metal custom roll forming products;
3. manufacturing metal stamped and spun products (except automotive, cans, and coins); and
4. manufacturing 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.

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.

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.

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.

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.

3322 CUTLERY AND HANDTOOL MANUFACTURING

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

1. Manufacturing nonprecious and precious plated metal cutlery and flatware;
2. Manufacturing nonpowered hand and edge tools;
3. Manufacturing nonpowered handsaws;
4. Manufacturing saw blades, all types (including those for sawing machines); and

5. Manufacturing 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:

1. manufacturing nonprecious and precious plated metal cutlery and flatware;
2. manufacturing nonpowered hand and edge tools;
3. manufacturing nonpowered handsaws;
4. manufacturing saw blades, all types (including those for sawing machines); and
5. manufacturing 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).

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.

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:

1. manufacturing nonpowered handsaws and/or
2. manufacturing saw blades, all types (including those for power sawing machines).

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).

3323 ARCHITECTURAL AND STRUCTURAL METALS MANUFACTURING

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

1. Plate work and fabricated structural product manufacturing and
2. Ornamental and architectural metal products manufacturing.

33231 PLATE WORK AND FABRICATED STRUCTURAL PRODUCT MANUFACTURING

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

1. prefabricated metal buildings, panels and sections;
2. structural metal products; and
3. metal plate work products.

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 manufacturing one or more of the following:

1. metal framed windows (i.e., typically using purchased glass) and metal doors;
2. sheet metal work; and
3. ornamental and architectural metal products.

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:

1. Power boiler and heat exchanger manufacturing;
2. Metal tank (heavy gauge) manufacturing; and
3. Metal can, box, and other metal container (light gauge) manufacturing.

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.

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:

1. Manufacturing steel springs by forming, such as cutting, bending, and heat winding, metal rod or strip stock, and/or
2. Manufacturing 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:

1. manufacturing steel springs by forming, such as cutting, bending, and heat winding, metal rod or strip stock, and/or
2. manufacturing wire springs and fabricated wire products from wire drawn elsewhere (except watch and clock springs).

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:

1. Machine shops and/or
2. Turned product and screw, nut, and bolt manufacturing.

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:

1. machining precision turned products or
2. manufacturing 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:

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:

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.

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:

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:

1. industrial valves;
2. fluid power valves and hose fittings;
3. plumbing fixture fittings and trim; and
4. other metal valves and pipe fittings.

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.

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.

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.

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 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:

1. Agricultural implement manufacturing;
2. Construction machinery manufacturing; and
3. Mining and oil and gas field machinery manufacturing.

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.

333131 MINING MACHINERY AND EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing underground mining machinery and equipment, such as coal breakers, mining cars, core drills, coal cutters, and rock drills and
2. manufacturing 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:

1. manufacturing 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. manufacturing water well drilling machinery.

3332 INDUSTRIAL MACHINERY MANUFACTURING

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

1. Sawmill and woodworking machinery manufacturing;
2. Plastics and rubber industry machinery manufacturing; and
3. Other industrial machinery manufacturing.

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).

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, and ice cream freezers), bakery machinery and equipment (e.g., dough mixers, bake ovens, and pastry rolling machines), meat and poultry processing and preparation machinery, and other commercial food products machinery (e.g., slicers, choppers, and mixers).

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.

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

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333311 AUTOMATIC VENDING MACHINE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing coin, token, currency, or magnetic card operated vending machines; and/or
2. manufacturing 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.

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:

1. manufacturing 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.

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.

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.

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:

1. manufacturing air-conditioning (except motor vehicle) and warm air furnace equipment and/or
2. manufacturing commercial and industrial refrigeration and freezer equipment.

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:

1. Pump and compressor manufacturing;
2. Material handling equipment manufacturing; and
3. All other general purpose machinery manufacturing.

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.

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.

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).

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).

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.

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 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:

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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:

1. Telephone apparatus manufacturing;
2. Radio and television broadcasting and wireless communications equipment manufacturing; and
3. Other communications equipment manufacturing.

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:

1. Manufacturing 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:

1. manufacturing 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:

1. Electric lamp bulb and part manufacturing and/or
2. Lighting fixture manufacturing.

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).

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) and nonelectric lighting equipment.

3352 HOUSEHOLD APPLIANCE MANUFACTURING

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

1. Small electrical appliance manufacturing and/or
2. Major appliance manufacturing.

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.

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 nonelectric 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.

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.

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.

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:

1. Automobile and light duty motor vehicle manufacturing and/or
2. Heavy duty truck manufacturing.

33611 AUTOMOBILE AND LIGHT DUTY MOTOR VEHICLE MANUFACTURING

This industry comprises establishments primarily engaged in:

1. manufacturing complete automobile and light duty motor vehicles (i.e., body and chassis or unibody) or
2. manufacturing chassis only.

336111 AUTOMOBILE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing complete automobiles (i.e., body and chassis or unibody) or
2. manufacturing automobile chassis only.

336112 LIGHT TRUCK AND UTILITY VEHICLE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing complete light trucks and utility vehicles (i.e., body and chassis) or
2. manufacturing 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:

1. manufacturing 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. manufacturing heavy duty truck chassis only.

336120 HEAVY DUTY TRUCK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing 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. manufacturing heavy duty truck chassis only.

3362 MOTOR VEHICLE BODY AND TRAILER MANUFACTURING

This industry group comprises establishments primarily engaged in:

1. Manufacturing motor vehicle bodies and cabs or
2. Manufacturing 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:

1. manufacturing motor vehicle bodies and cabs or
2. manufacturing 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 group comprises establishments primarily engaged in:

1. manufacturing motor homes on purchased chassis and/or
2. manufacturing 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:

1. manufacturing travel trailers and campers designed to attach to motor vehicles;
2. manufacturing pickup coaches (i.e., campers) and caps (i.e., covers) for mounting on pickup trucks; and
3. manufacturing 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:

1. Motor vehicle gasoline engine and engine parts manufacturing;
2. Motor vehicle electrical and electronic equipment manufacturing;
3. Motor vehicle steering and suspension components (except spring) manufacturing;
4. Motor vehicle brake system manufacturing;
5. Motor vehicle transmission and power train parts manufacturing;
6. Motor vehicle seating and interior trim manufacturing;
7. Motor vehicle metal stamping; and/or
8. Other motor vehicle parts manufacturing.

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.

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:

1. manufacturing 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).

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:

1. Manufacturing complete aircraft, missiles, or space vehicles;
2. Manufacturing 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:

1. manufacturing complete aircraft, missiles, or space vehicles;
2. manufacturing 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:

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:

1. manufacturing 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:

1. manufacturing 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:

1. manufacturing 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:

1. manufacturing 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:

1. manufacturing 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:

1. Manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. Manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. Manufacturing 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:

1. manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. manufacturing 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:

1. manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. manufacturing 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 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).

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).

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).

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).

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).

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.

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).

337215 SHOWCASE, PARTITION, SHELVING, AND LOCKER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood and nonwood 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.

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 manufacturing one or more of the following:

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 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 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, electromedical 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 OTHER MISCELLANEOUS MANUFACTURING

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

1. Jewelry and silverware manufacturing;
2. Sporting and athletic goods manufacturing;
3. Doll, toy, and game manufacturing;
4. Office supplies (except paper) manufacturing;
5. Sign manufacturing; and/or
6. All other miscellaneous manufacturing.

33991 JEWELRY AND SILVERWARE MANUFACTURING

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

1. manufacturing, engraving, chasing, or etching jewelry;
2. manufacturing metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases);
3. manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter cutlery and flatware;
4. manufacturing, 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. manufacturing 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.

339911 JEWELRY (EXCEPT COSTUME) MANUFACTURING

This U.S. industry group comprises establishments primarily engaged in one of the following:

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 group comprises establishments primarily engaged in one of the following:

1. manufacturing 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 group comprises establishments primarily engaged in one of the following:

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).

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.

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 manufacturing sector includes approximately 350,000 establishments. This number includes those industries in the North American Industry Classification System (NAICS) definition of manufacturing. The amount of information requested from manufacturing establishments was dependent upon a number of factors. The more important considerations were the size of the company and whether it was included in the Annual Survey of Manufactures (ASM).

Establishments in the 2002 Economic Census are divided into those sent report forms and those not sent report forms. The coverage of and the method of obtaining census information from each are described below:

1. Establishments sent a report form:

   a. ASM sample establishments. This group accounts for approximately 15 percent of all manufacturing establishments. The ASM panel covers all the units of large manufacturing establishments, as well as a sample of the medium and smaller establishments. The probability of selection was proportionate to size. For more information, see the Description of the ASM Survey Sample.

      In an economic census year, the ASM report form (MA-10000) replaces the first page of the regular census form for those establishments included in the ASM. In addition to information on employment, payroll, and other items normally requested on the regular census form, establishments in the ASM sample were requested to supply additional information on gross book value of assets and capital expenditures. ASM establishments were also requested to provide information on retirements, depreciation, rental payments, and supplemental labor costs. For establishments not included in the ASM, these additional items were estimated using relationships observed in the ASM establishment data. The census statistics for these variables are a sum of the ASM establishment data and the estimated data for non-ASM establishments. ASM establishments were also requested to provide information for selected purchased services. The census statistics for the purchased service items were derived solely from the ASM establishments. See Appendix A. Explanation of Terms, for an explanation of these items. The census part of the report form is 1 of 220 versions containing product, material, and special inquiries. The diversity of manufacturing activities necessitated the use of this many forms to canvass the 473 manufacturing industries. Each form was developed for a group of related industries.

      Appearing on each form was a list of products primary to the group of related industries, as well as secondary products and miscellaneous services that establishments classified in these industries were likely to perform. Respondents were requested to identify the products, the value of each product, and, in certain cases, the quantity of the product shipped during the survey year. Space also was provided for the respondent to describe products not specifically identified on the form.

      The report form also contained a materials-consumed inquiry, which varied from form to form depending on the industries being canvassed. The respondents were asked to review a list of materials generally used in their production processes. From this list, each establishment was requested to identify those materials consumed during the survey year, the cost of each, and, in certain cases, the quantity consumed. Once again, space was provided

for the respondent to describe significant materials not listed on the form.

A wide variety of special inquiries were included to measure activities peculiar to a given industry, such as operations performed and equipment used.

b. Large and medium establishments (non-ASM). Approximately 30 percent of all manufacturing establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 220 economic census — manufacturing regular forms. The first page, requesting establishment data for items such as employment and payroll, was standard but did not contain the detailed statistics included on the ASM form. The product, material, and special inquiry sections supplied were based on the historical industry classification of the establishment.

c. Small single-establishment companies (non-ASM). This group includes approximately 15 percent of all manufacturing establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated "short form" was used. These establishments received 1 of the 31 versions of the short form, which requested summary product and material data and totals but no details on employment, payroll, cost of materials, inventories, and capital expenditures.

   Use of the short form has no adverse effect on published totals for the industry statistics, because the same data were collected on the short form as on the long form. However, detailed information on products and materials consumed was not collected on the short form; thus, its use would increase the value of the "not specified by kind" (nsk) categories.

2. Establishments not sent a report form:

a. Small single-establishment companies not sent a report form. Approximately 40 percent of the manufacturing establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and the Census Bureau's ability to assign the correct six-digit NAICS industry classification to the establishment. For each six-digit NAICS industry code, an annual payroll cutoff was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report that requested information for assigning NAICS industry codes. Establishments below the cutoff that could be directly assigned a six-digit NAICS code were excused from filing any report. For below cutoff establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other federal agencies under special arrangements that safeguarded their confidentiality.

   Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and cost of materials were not distributed among specific products and materials for these establishments, but were included in the product and material "not specified by kind" (nsk) categories.

   The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between manufacturing and nonmanufacturing activity.

   Sometimes the administrative-record cases had only two- or three-digit NAICS group classification codes available in the files. For manufacturing, these establishments were sent a

separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as "All other" industries within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics, other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

b. All nonemployers, i.e., all firms subject to federal income tax, with no paid employees, during 2002 are excluded as in previous censuses. Data for nonemployers are not included in this report, but are released in the annual *Nonemployer Statistics* series.

The report forms used to collect information for establishments in this sector are available at help.econ.census.gov/econhelp/resources/.

A more detailed examination of census methodology is presented in the *History of the Economic Census* at www.census.gov/econ/www/history.html.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

The classifications for all establishments covered in the 2002 Economic Census — Manufacturing are classified in 1 of 473 industries in accordance with the industry definitions in the *North American Industry Classification System (NAICS), United States, 2002* manual. There were no changes between the 2002 edition and the 1997 edition affecting this sector. When applicable, Appendix F of this report shows the product class and product comparability between the two systems for data in this report.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector for 2002, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. There are 1,450 product classes (seven-digit codes), 5,674 census products, and an additional 3,746 ten-digit product codes. The ten-digit products are considered the primary products of the industry with the same first six digits.

For the 2002 Economic Census — Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value. For 2002, there were no "resistance rules" or "frozen industries."

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for 2 successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

As previously noted, the small establishments that may have been misclassified by industry are usually administrative-record cases whose industry codes were assigned on the basis of incomplete descriptions of the general activity of the establishment. Such possible misclassifications have no significant effect on the statistics other than on the number of companies and establishments.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by manufacture, value of shipments, etc.) reflect the activities of the establishments that may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics, especially the value of shipments, to the product statistics, the composition of the industry's output should be considered.

The extent to which industry and product statistics may be matched with each other is measured by the primary product specialization ratio and the coverage ratio. The primary product specialization ratio is the proportion of industry shipments accounted for by the primary products of establishments classified in the industry. The coverage ratio is the proportion of product shipments accounted for by establishments classified in the industry.

ESTABLISHMENT BASIS OF REPORTING

The 2002 Economic Census — Manufacturing is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment. The ASM also is conducted on an establishment basis, but separate reports are filed for just 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.

In 2002, as in earlier years, a minimum size limit was set for inclusion of establishments in the census. All establishments employing one person or more at any time during the census year are included. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than $5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the census figures, except for data on number of establishments for a few industries.

The 2002 Economic Census — Manufacturing 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.

DESCRIPTION OF THE ASM SURVEY SAMPLE

The ASM sample is drawn for the second survey year after a census. The most recent sample was drawn for the 1999 survey year based on the 1997 Economic Census — Manufacturing. This sample will be in place through the 2003 ASM.

In 1997, there were approximately 370,000 individual manufacturing establishments. For sample efficiency and cost considerations, the establishments in the 1997 manufacturing population were partitioned into two components for developing estimates within the ASM. The details of each are described below:

1. Mail stratum. The mail stratum of the survey is comprised of larger single-location manufacturing companies and all manufacturing establishments of multiunit companies (companies

that operate at more than one physical location). Approximately 200,000 of the 370,000 establishments in the 1997 census were assigned to the mail stratum. 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 multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1999 survey, a new sample of approximately 58,000 individual establishments was selected from the mail stratum assembled from the 1997 census. Supplemental samples representing both 1998 and 1999 births (newly active establishments that were not included in the 1997 census) were also selected. Establishments selected for the sample are mailed an ASM survey questionnaire for each year through 2003.

The 1999-2003 ASM sample design is similar to the one used since 1984. Companies in the 1997 Economic Census — Manufacturing with manufacturing shipments of at least $500 million were defined as company certainties. For these large companies, each manufacturing establishment is included in the mail sample. For the 1999-2003 sample, there are approximately 500 certainty companies collectively accounting for over 18,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 250 employees or more were defined as employment certainties. Across these arbitrary certainty classes, there were approximately 25,000 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 80 percent of the total value of shipments in the 1997 Economic Census — Manufacturing.

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1997 industry classification and its 1997 product class data. For each product class (1,755) and six-digit industry (473), a desired reliability constraint was specified. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints, while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments 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 by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling) that permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

2. Nonmail stratum. The initial nonmail component of the survey was comprised of approximately 170,000 small, single-establishment companies that were tabulated as administrative records in the 1997 Economic Census — Manufacturing. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS) and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum. For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). 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.

RELIABILITY OF DATA

All data compiled in the economic census are subject to nonsampling errors. Nonsampling errors can be attributed to many sources during the development or execution of the census. The following are two ways that further explain this method: ASM 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 1997 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the "difference" between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1998-2002 ASM estimates, the 1997 Economic Census — Manufacturing values serve as the base year. For the 2003 ASM, the base will be updated to be the 2002 Economic Census — Manufacturing.

Due to the positive year-to-year correlation, 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 and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contained approximately 170,000 individual establishments in 1999, it accounts for less than 2 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. ASM Data Qualifications. The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists, but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

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 were 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 were detected too late to correct the estimates, the data were suppressed or were 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 2002 Economic Census — Manufacturing 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 (repair work, sale of scrap, research and development, installation receipts, and resales). 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

TENNESSEE

Arlington is now tabulated separately due to a population increase. This change deletes territory from the Balance of Shelby County.

Atoka is now tabulated separately due to a population increase. This change deletes territory from the Balance of Tipton County.

Bean Station incorporated in November 1996, but this change was not submitted to the Census Bureau until July 2001. This change deletes territory from the Balance of Grainger County.

Carthage is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Smith County.

Chattanooga is in Hamilton and Marion Counties.

Clifton is now tabulated separately due to a population increase. This change deletes territory from the Balance of Wayne County.

Coopertown incorporated in October 1996, but this change was not submitted to the Census Bureau until June 1997. This change deletes territory from the Balance of Robertson County.

Farragut is in Knox and Loudon Counties.

Goodlettsville is in Davidson and Sumner Counties.

Harriman is in Morgan and Roane Counties.

Harrogate incorporated in November 1992, but this change was not submitted to the Census Bureau until August 2001. This change deletes territory from the Balance of Claiborne County.

Hartsville-Trousdale (place), coextensive with Trousdale County, formed from the consolidation of Hartsvillle (which was not tabulated separately) and Trousdale County in March 2001, eliminating the Balance of Trousdale County.

Hickory Withe incorporated in December 1998. This change deletes territory from the Balance of Fayette County.

Humboldt is in Gibson and Madison Counties.

Jellico is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Campbell County.

Johnson City is in Carter, Sullivan, and Washington Counties.

Kingsport is in Hawkins and Sullivan Counties.

Kingston Springs is now tabulated separately due to a population increase. This change deletes territory from the Balance of Cheatham County.

Lakeland is now tabulated separately due to a population increase. This change deletes territory from the Balance of Shelby County.

McKenzie is in Carroll, Henry, and Weakley Counties.

Millersville is in Robertson and Sumner Counties.

Morristown is in Hamblen and Jefferson Counties.

U.S. Census Bureau, 2002 Economic Census

Mountain City is now tabulated separately due to a population increase. This change deletes territory from the Balance of Johnson County.

Nashville-Davidson (consolidated city) is coextensive with Davidson County. It includes the cities of Belle Meade, Forest Hills, Goodlettsville (part in Davidson County), and Oak Hill, which are tabulated separately. "Nashville-Davidson (balance)", which is a place equivalent, includes the cities of Berry Hill, Lakewood, and Ridgetop (part in Davidson County), which are not populous enough for separate tabulation.

New Tazewell is now tabulated separately due to a population increase. This change deletes territory from the Balance of Claiborne County.

Nolensville is now tabulated separately due to a population increase. This change deletes territory from the Balance of Williamson County.

Oak Ridge is in Anderson and Roane Counties.

Oliver Springs is in Anderson, Morgan, and Roane Counties.

Pleasant View incorporated in October 1996, but this change was not submitted to the Census Bureau until September 1998. This change deletes territory from the Balance of Cheatham County.

Somerville is now tabulated separately due to a population increase. This change deletes territory from the Balance of Fayette County.

Spring Hill is in Maury and Williamson Counties.

Sweetwater is in McMinn and Monroe Counties.

Tiptonville is now tabulated separately due to a population increase. This change deletes territory from the Balance of Lake County.

Tullahoma is in Coffee and Franklin Counties.

Unicoi incorporated in October 1994, but this change was not submitted to the Census Bureau until September 1999. This change deletes territory from the Balance of Unicoi County.

White House is in Robertson and Sumner Counties.

Whiteville is now tabulated separately due to a population increase. This change deletes territory from the Balance of Hardeman County.

Balance of Campbell County includes Jellico, which is no longer tabulated separately due to a population decrease.

Balance of Cheatham County lost territory due to the incorporation of Pleasant View and no longer includes Kingston Springs, which is tabulated separately due to a population increase.

Balance of Claiborne County lost territory due to the incorporation of Harrogate and no longer includes New Tazewell, which is tabulated separately due to a population increase.

Balance of Fayette County lost territory due to the incorporation of Hickory Withe and no longer includes Somerville, which is tabulated separately due to a population increase.

Balance of Grainger County lost territory due to the incorporation of Bean Station.

Balance of Hardeman County no longer includes Whiteville, which is tabulated separately due to a population increase.

Balance of Johnson County no longer includes Mountain City, which is tabulated separately due to a population increase.

Balance of Lake County no longer includes Tiptonville, which is tabulated separately due to a population increase.

Balance of Robertson County lost territory due to the incorporation of Coopertown.

U.S. Census Bureau, 2002 Economic Census

Balance of Shelby County no longer includes Arlington and Lakeland, which are tabulated separately due to a population increase.

Balance of Smith County includes Carthage, which is no longer tabulated separately due to a population decrease.

Balance of Tipton County no longer includes Atoka, which is tabulated separately due to a population increase.

Balance of Trousdale County eliminated due to the incorporation of Hartsville-Trousdale (place), coextensive with the county.

Balance of Unicoi County lost territory due to the incorporation of Unicoi.

Balance of Wayne County no longer includes Clifton, which is tabulated separately due to a population increase.

Balance of Williamson County no longer includes Nolensville, which is tabulated separately due to a population increase.

Appendix E.
Metropolitan and Micropolitan Statistical Areas

CHATTANOOGA-CLEVELAND-ATHENS, TN-GA COMBINED STATISTICAL AREA

Athens, TN Micropolitan Statistical Area

McMinn County, TN

Chattanooga, TN-GA Metropolitan Statistical Area

Catoosa County, GA

Dade County, GA

Walker County, GA

Hamilton County, TN

Marion County, TN

Sequatchie County, TN

Cleveland, TN Metropolitan Statistical Area

Bradley County, TN

Polk County, TN

JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA COMBINED STATISTICAL AREA

Bristol, VA Metropolitan Statistical Area

Washington County, VA

Bristol (IC), VA

Johnson City, TN Metropolitan Statistical Area

Carter County, TN

Unicoi County, TN

Washington County, TN

Kingsport-Bristol, TN-VA Metropolitan Statistical Area

Hawkins County, TN

Sullivan County, TN

Scott County, VA

KNOXVILLE-SEVIERVILLE-LA FOLLETTE, TN COMBINED STATISTICAL AREA

Harriman, TN Micropolitan Statistical Area

Roane County, TN

U.S. Census Bureau, 2002 Economic Census

Knoxville, TN Metropolitan Statistical Area

Anderson County, TN

Blount County, TN

Knox County, TN

Loudon County, TN

Union County, TN

La Follette, TN Micropolitan Statistical Area

Campbell County, TN

Sevierville, TN Micropolitan Statistical Area

Sevier County, TN

MORRISTOWN-NEWPORT, TN COMBINED STATISTICAL AREA

Morristown, TN Metropolitan Statistical Area

Grainger County, TN

Hamblen County, TN

Jefferson County, TN

Newport, TN Micropolitan Statistical Area

Cocke County, TN

NASHVILLE-DAVIDSON--MURFREESBORO--COLUMBIA, TN COMBINED STATISTICAL AREA

Columbia, TN Micropolitan Statistical Area

Maury County, TN

Nashville-Davidson--Murfreesboro, TN Metropolitan Statistical Area

Cannon County, TN

Cheatham County, TN

Davidson County, TN

Dickson County, TN

Hickman County, TN

Macon County, TN

Robertson County, TN

Rutherford County, TN

Smith County, TN

Sumner County, TN

Trousdale County, TN

Williamson County, TN

Wilson County, TN

U.S. Census Bureau, 2002 Economic Census

BROWNSVILLE, TN MICROPOLITAN STATISTICAL AREA

Haywood County, TN

CLARKSVILLE, TN-KY METROPOLITAN STATISTICAL AREA

Christian County, KY

Trigg County, KY

Montgomery County, TN

Stewart County, TN

COOKEVILLE, TN MICROPOLITAN STATISTICAL AREA

Jackson County, TN

Overton County, TN

Putnam County, TN

CROSSVILLE, TN MICROPOLITAN STATISTICAL AREA

Cumberland County, TN

DYERSBURG, TN MICROPOLITAN STATISTICAL AREA

Dyer County, TN

GREENEVILLE, TN MICROPOLITAN STATISTICAL AREA

Greene County, TN

JACKSON, TN METROPOLITAN STATISTICAL AREA

Chester County, TN

Madison County, TN

LAWRENCEBURG, TN MICROPOLITAN STATISTICAL AREA

Lawrence County, TN

MCMINNVILLE, TN MICROPOLITAN STATISTICAL AREA

Warren County, TN

MEMPHIS, TN-MS-AR METROPOLITAN STATISTICAL AREA

Crittenden County, AR

DeSoto County, MS

Marshall County, MS

Tate County, MS

Tunica County, MS

Fayette County, TN

Shelby County, TN

Tipton County, TN

PARIS, TN MICROPOLITAN STATISTICAL AREA

Henry County, TN

SHELBYVILLE, TN MICROPOLITAN STATISTICAL AREA

Bedford County, TN

TULLAHOMA, TN MICROPOLITAN STATISTICAL AREA

Coffee County, TN

Franklin County, TN

Moore County, TN

UNION CITY, TN-KY MICROPOLITAN STATISTICAL AREA

Fulton County, KY

Obion County, TN

U.S. Census Bureau, 2002 Economic Census