

# Metal Window and Door Manufacturing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
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-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com-panies <sup>2</sup>	All estab-lish-ments <sup>3</sup>	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)	
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
332321, Metal window and door manufacturing .....	2002..	1 156	1 321	74 259	2 301 260	53 386	106 211	1 352 721	5 546 705	5 764 615	11 343 755	268 084
	2001..	N	N	82 774	2 342 529	60 194	123 915	1 411 085	5 794 178	6 309 308	12 125 223	252 475
	2000..	N	N	84 330	2 339 825	61 491	127 365	1 438 950	5 739 253	6 259 853	11 994 226	253 678
	1999..	N	N	83 063	2 242 494	59 904	125 337	1 374 201	5 490 609	6 004 134	11 493 351	272 179
	1998..	N	N	77 916	2 121 416	57 031	126 885	1 255 210	5 117 058	5 948 655	11 035 318	299 437
	1997..	1 249	1 410	74 063	1 941 363	53 359	110 089	1 146 743	4 775 082	5 452 511	10 209 522	189 269

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>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 and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and 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.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. 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]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		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 <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
<b>332321, Metal window and door manufacturing</b>												
United States .....	1	1 321	563	74 259	2 301 260	53 386	106 211	1 352 721	5 546 705	5 764 615	11 343 755	'268 084
Alabama .....	-	28	9	1 040	32 051	756	1 664	20 282	56 962	64 276	121 063	'4 973
Arizona .....	2	27	13	1 429	47 508	956	1 879	26 023	89 213	94 239	176 645	'5 090
Arkansas .....	-	13	8	2 094	71 054	1 483	2 856	41 987	149 441	130 183	285 939	'3 648
California .....	1	177	72	7 348	226 820	5 393	11 032	134 104	544 122	477 684	1 024 078	'24 254
Colorado .....	3	14	4	456	14 094	334	701	8 084	28 444	37 324	65 466	'936
Connecticut .....	1	12	6	757	29 992	374	830	12 381	110 532	58 293	167 262	'1 068
Florida .....	2	130	41	6 775	206 727	4 633	9 553	110 836	484 054	445 964	936 834	'27 845
Georgia .....	-	50	24	3 427	101 279	2 450	4 358	57 995	234 623	292 518	533 201	'22 063
Illinois .....	-	45	17	2 922	95 219	1 967	4 151	51 033	206 119	209 967	413 992	'14 997
Indiana .....	-	30	17	2 533	72 196	2 089	4 216	51 578	202 818	317 929	523 154	'6 242
Iowa .....	-	13	8	2 513	83 822	1 737	3 187	52 216	253 829	182 781	433 737	'13 935
Kansas .....	-	21	9	1 415	38 724	1 071	2 182	25 528	84 568	134 474	220 158	'5 122
Kentucky .....	7	14	5	320	9 415	248	506	5 994	21 440	18 464	39 286	'824
Louisiana .....	5	18	5	486	14 702	366	801	8 601	25 460	31 187	56 870	'841
Maryland .....	2	15	1	248	8 177	182	351	4 824	15 850	15 110	32 059	'738
Massachusetts .....	4	21	10	423	13 548	306	564	7 588	26 232	20 467	46 544	'569
Michigan .....	2	37	13	769	26 497	459	941	12 374	54 161	56 638	110 619	'2 517
Minnesota .....	2	16	5	242	8 546	166	342	4 728	21 394	14 106	35 233	'402
Mississippi .....	1	16	8	1 475	41 122	1 209	2 238	28 982	104 981	96 413	200 603	'6 834
Missouri .....	-	27	13	2 451	60 503	1 847	3 306	38 449	139 804	122 850	266 381	'6 378
Nebraska .....	-	10	3	375	9 507	301	598	6 579	37 644	61 687	100 462	'512
Nevada .....	-	10	2	353	10 402	281	570	7 382	27 046	35 674	63 026	'129
New Jersey .....	1	40	19	2 227	61 241	1 491	2 811	31 042	129 160	105 127	234 203	'4 839
New York .....	4	96	38	3 296	110 596	2 285	4 904	65 788	231 073	196 029	425 408	'7 083
North Carolina .....	-	26	13	1 031	31 851	805	1 748	20 665	88 019	146 414	231 007	'5 721
North Dakota .....	-	4	2	114	3 495	88	196	2 148	4 190	9 441	13 609	'780
Ohio .....	-	51	27	3 970	131 125	3 015	6 204	85 008	374 271	522 634	894 135	'27 351
Oklahoma .....	1	15	9	1 279	38 952	998	1 913	25 078	117 683	89 919	208 207	'3 808
Oregon .....	-	12	5	472	13 787	351	776	9 116	48 623	43 324	90 872	'3 557
Pennsylvania .....	-	61	32	4 763	158 177	3 473	6 426	96 039	346 159	435 656	801 455	'14 540
South Carolina .....	-	14	7	753	19 504	525	972	12 074	47 226	39 080	87 155	'1 478
South Dakota .....	-	6	6	1 353	40 188	960	2 064	21 345	70 649	73 839	143 892	'2 168
Tennessee .....	-	33	16	2 808	86 679	2 029	4 128	52 823	207 104	242 782	451 645	'12 350
Texas .....	1	105	48	7 699	224 613	5 403	10 497	121 171	606 305	546 887	1 153 448	'21 866
Utah .....	-	5	4	322	16 804	135	200	4 535	33 335	22 032	55 915	'1 565
Virginia .....	1	13	5	524	14 264	454	808	10 505	44 407	59 464	104 517	'1 605
Washington .....	2	24	8	659	20 485	486	986	12 619	37 157	46 641	85 050	'754
West Virginia .....	-	5	4	209	3 861	158	250	1 997	12 816	15 996	28 855	'347
Wisconsin .....	-	38	21	2 546	91 941	1 839	3 908	56 595	209 382	217 781	427 986	'7 695

<sup>1</sup>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 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.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>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. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>332321, Metal window and door manufacturing</b>	
Companies <sup>1</sup> .....	number.. 1 156
All establishments <sup>2</sup> .....	number.. 1 321
Establishments with 1 to 19 employees .....	number.. 758
Establishments with 20 to 99 employees .....	number.. 370
Establishments with 100 employees or more .....	number.. 193
All employees <sup>3</sup> .....	number.. 74 259
Total compensation .....	\$1,000.. 2 803 873
Annual payroll .....	\$1,000.. 2 301 260
Total fringe benefits .....	\$1,000.. 502 613
Production workers, average for year .....	number.. 53 386
Production workers on March 12 .....	number.. 51 725
Production workers on May 12 .....	number.. 53 961
Production workers on August 12 .....	number.. 54 465
Production workers on November 12 .....	number.. 53 273
Production worker hours .....	1,000.. 106 211
Production worker wages .....	\$1,000.. 1 352 721
Total cost of materials .....	\$1,000.. 5 764 615
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 5 284 691
Resales .....	\$1,000.. 315 790
Purchased fuels .....	\$1,000.. 29 083
Purchased electricity .....	\$1,000.. 61 915
Contract work .....	\$1,000.. 73 136
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 977 562
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. -
Total value of shipments .....	\$1,000.. 11 343 755
Primary products value of shipments .....	\$1,000.. 9 916 561
Secondary products value of shipments .....	\$1,000.. 817 715
Total miscellaneous receipts .....	\$1,000.. 609 479
Value of resales .....	\$1,000.. 391 229
Contract receipts .....	\$1,000.. 31 278
Other miscellaneous receipts .....	\$1,000.. 186 972
Primary products specialization ratio .....	percent.. 92
Value of primary products shipments made in all industries .....	\$1,000.. 10 408 803
Value of primary products shipments made in this industry .....	\$1,000.. 9 916 561
Value of primary products shipments made in other industries .....	\$1,000.. 492 242
Coverage ratio .....	percent.. 95
Value added .....	\$1,000.. 5 546 705
Total inventories, beginning of year .....	\$1,000.. 1 081 120
Finished goods inventories .....	\$1,000.. 299 641
Work-in-process inventories .....	\$1,000.. 183 887
Materials and supplies inventories .....	\$1,000.. 597 592
Total inventories, end of year .....	\$1,000.. 1 077 982
Finished goods inventories .....	\$1,000.. 289 364
Work-in-process inventories .....	\$1,000.. 161 729
Materials and supplies inventories .....	\$1,000.. 626 889
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. '2 640 418
Total capital expenditures (new and used) .....	\$1,000.. '268 084
Buildings and other structures (new and used) .....	\$1,000.. '46 859
Machinery and equipment (new and used) .....	\$1,000.. '221 225
Automobiles, trucks, etc., for highway use .....	\$1,000.. '15 096
Computers and peripheral data processing equipment .....	\$1,000.. '22 848
All other expenditures for machinery and equipment .....	\$1,000.. '183 281
Total retirements .....	\$1,000.. '94 518
Gross value of depreciable assets at end of year .....	\$1,000.. '2 813 984
Depreciation charges during year .....	\$1,000.. '191 345
Total rental payments .....	\$1,000.. 153 776
Buildings and other structures .....	\$1,000.. 97 560
Machinery and equipment .....	\$1,000.. 56 216
Total other expenses <sup>4</sup> .....	\$1,000.. 852 194
Response coverage ratio <sup>5</sup> .....	percent.. 82
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 57 354
Communications services <sup>4</sup> .....	\$1,000.. 26 615
Legal services <sup>4</sup> .....	\$1,000.. 29 676
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 79 265
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 47 932
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 15 576
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 10 525
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 42 947
Taxes and license fees <sup>4</sup> .....	\$1,000.. 31 068
All other expenses <sup>4</sup> .....	\$1,000.. 511 236

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>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.

<sup>4</sup>Based on 2002 Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and 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.

**Table 4. Industry Statistics by Employment Size: 2002**

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

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	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)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
332321, Metal window and door manufacturing											
All establishments .....	1	1 321	74 259	2 301 260	53 386	106 211	1 352 721	5 546 705	5 764 615	11 343 755	'268 084
Establishments with—											
1 to 4 employees .....	9	372	763	21 748	590	1 099	13 627	48 807	46 197	95 862	'2 041
5 to 9 employees .....	7	190	1 277	40 149	950	1 941	24 766	100 256	93 778	194 239	'3 861
10 to 19 employees .....	4	196	2 731	85 830	1 935	3 890	50 531	199 638	218 303	416 318	'9 983
20 to 49 employees .....	2	236	7 445	228 371	5 143	10 596	127 201	504 253	477 905	985 610	'19 230
50 to 99 employees .....	1	134	9 579	289 070	6 803	13 484	165 329	683 876	725 648	1 405 505	'28 298
100 to 249 employees .....	1	130	20 679	645 304	14 908	30 847	380 557	1 504 898	1 743 871	3 246 437	'74 766
250 to 499 employees .....	—	36	12 402	378 593	9 503	18 732	251 645	1 105 591	1 034 285	2 152 285	'62 136
500 to 999 employees .....	—	24	15 649	502 406	11 018	21 439	283 025	1 162 922	1 246 393	2 427 360	'57 679
1,000 to 2,499 employees .....	—	3	3 734	109 789	2 536	4 183	56 040	236 464	178 235	420 139	10 090
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	501	2 114	62 794	1 659	3 296	39 854	142 070	135 807	277 874	'5 067

<sup>1</sup>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 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.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>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.

<sup>4</sup>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. Data are also included in respective size classes shown.

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.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

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

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	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)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
332321	Metal window and door manufacturing .....	1 321	74 259	2 301 260	53 386	106 211	1 352 721	5 546 705	5 764 615	11 343 755	'268 084
3323211	Metal doors (except storm doors) . . .	322	33 892	1 106 082	23 997	48 230	657 570	2 864 468	3 105 513	5 986 341	'132 962
3323213	Metal windows (except storm sash) .	155	21 586	606 530	16 085	30 743	361 504	1 314 298	1 184 691	2 520 063	'65 083
3323215	Metal molding and trim and store fronts .....	59	5 666	194 655	3 620	7 934	97 495	463 330	613 342	1 077 132	'34 042
3323217	Metal combination screen, storm sash, and storm doors .....	28	3 516	107 982	2 469	5 065	61 331	266 142	254 081	515 740	'10 552
3323219	Metal window and door screens (except combination) and metal weather strip .....	33	1 743	54 405	1 315	2 649	34 197	128 868	132 858	260 563	'6 345

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>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.

**Table 6a. Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332321	Metal window and door manufacturing .....	2002.. N 1997.. N	X X	X X	10 408 803 8 994 752
3323211	Metal doors (except storm doors) .....	2002.. N 1997.. N	X X	X X	5 367 546 4 700 215
33232111	Residential aluminum doors, including garage and closet doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. N 1997.. N	X X	X X	485 318 551 640
3323211110	Swinging residential aluminum doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 22 1997.. 21	X X	X X	133 414 148 191
3323211113	Sliding residential aluminum doors (glass, patio-type) (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 46 1997.. 65	X X	X X	195 424 221 328
3323211116	All other residential aluminum doors, including garage and closet doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 25 1997.. 15	X X	X X	115 021 61 127
3323211119	Overhead and sliding commercial and institutional aluminum doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 18 1997.. 18	X X	X X	41 459 120 994
33232112	Commercial, institutional, and industrial aluminum doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. N 1997.. N	X X	X X	761 994 527 540
3323211201	Overhead industrial aluminum doors .....	2002.. 14 1997.. 10	X X	X X	20 590 63 361
3323211204	Sliding industrial aluminum doors .....	2002.. 6 1997.. 4	X X	X X	D D
3323211207	All other industrial aluminum doors .....	2002.. 16 1997.. 13	X X	X X	D D
3323211222	Swinging commercial and institutional aluminum doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 21 1997.. 23	X X	X X	232 220 152 040
3323211225	All other commercial and institutional aluminum doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 24 1997.. 24	X X	X X	310 000 205 962
33232113	Industrial iron and steel doors .....	2002.. N 1997.. N	X X	X X	384 404 566 857
3323211328	Overhead industrial iron and steel doors .....	2002.. 23 1997.. 40	X X	X X	246 759 318 882
3323211331	Swing industrial iron and steel doors .....	2002.. 23 1997.. 24	X X	X X	65 681 118 026
3323211334	All other industrial iron and steel doors (including sliding) .....	2002.. 26 1997.. 28	X X	X X	71 964 129 949
33232114	Residential iron and steel doors, except garage doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. N 1997.. N	X X	X X	830 284 924 207
3323211440	Residential steel composite doors (steel clad with foam wood components) (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 20 1997.. 18	X X	X X	389 373 219 783
3323211443	Residential insulated steel entrance doors (except storm doors) .....	2002.. 33 1997.. 34	X X	X X	264 787 491 119
3323211446	All other residential iron and steel doors, including slide, swing, and closet doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 21 1997.. 24	X X	X X	176 124 213 305
33232115	Commercial and institutional iron and steel doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. N 1997.. N	X X	X X	1 032 339 718 751
3323211549	Overhead and sliding commercial and institutional iron and steel doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 38 1997.. 43	X X	X X	297 647 240 452
3323211552	Swing commercial and institutional iron and steel doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 44 1997.. 48	X X	X X	476 697 332 399
3323211555	All other commercial and institutional iron and steel doors (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 24 1997.. 32	X X	X X	257 995 145 900
33232116	Door frames, including trim sold as an integral part of the door frame (except storm door frames) .....	2002.. N 1997.. N	X X	X X	363 328 304 595
3323211661	Aluminum door frames, including trim sold as an integral part of the door frame (except storm door frames) .....	2002.. 30 1997.. 22	X X	X X	128 785 115 333
3323211664	Steel door frames, including trim sold as an integral part of the door frame, 16 gauge and heavier (except storm door frames) .....	2002.. 47 1997.. 41	X X	X X	157 947 105 501
3323211667	Steel door frames, including trim sold as an integral part of the door frame, lighter than 16 gauge (except storm door frames) .....	2002.. 22 1997.. 23	X X	X X	76 596 83 761
33232117	Shower doors and tub enclosures (all metals) and other metal doors not made of aluminum or steel .....	2002.. N 1997.. N	X X	X X	436 197 287 982
3323211758	Metal doors other than steel and aluminum (excluding shower doors, tub enclosures, and storm doors) .....	2002.. 9 1997.. 6	X X	X X	39 054 18 981
3323211770	Shower doors and tub enclosures (all metal) .....	2002.. 38 1997.. 42	X X	X X	397 143 269 001
33232118	Residential iron and steel garage doors .....	2002.. N	X	X	968 375

See footnotes at end of table.

**Table 6a. Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332321	Metal window and door manufacturing—Con.				
3323211	Metal doors (except storm doors)—Con.				
33232118	Residential iron and steel garage doors—Con.				
		1997..	N	X	782 511
3323211837	Residential iron and steel garage doors .....	2002..	31	X	968 375
		1997..	39	X	782 511
3323211Y	Metal doors (except storm doors), nsk .....	2002..	N	X	105 307
		1997..	N	X	36 132
3323211YVW	Metal doors (except storm doors), nsk .....	2002..	N	X	105 307
		1997..	N	X	36 132
3323213	Metal windows (except storm sash) .....	2002..	N	X	2 291 146
		1997..	N	X	1 919 103
33232131	All other residential aluminum window sash and frames, including jalousie (excluding storm sash) .....	2002..	N	X	309 548
		1997..	N	X	353 227
3323213101	Residential steel window sash and frames (except storm sash) .....	2002..	17	X	49 879
		1997..	18	X	75 709
3323213111	Residential aluminum awning window sash and frames (except storm sash) .....	2002..	18	X	42 940
		1997..	23	X	51 155
3323213116	Residential aluminum horizontal sliding window sash and frames (excluding storm sash) .....	2002..	46	X	126 538
		1997..	60	X	129 511
3323213121	All other residential aluminum window sash and frames, including jalousie (excluding storm sash) .....	2002..	23	X	90 191
		1997..	40	X	96 852
33232132	Other metal window sash and frames (except storm sash) .....	2002..	N	X	947 417
		1997..	N	X	812 377
3323213226	Other steel window sash and frames (including commercial, industrial, etc.) (except storm sash) .....	2002..	23	X	103 793
		1997..	27	X	99 391
3323213231	Other aluminum single and double hung sash and frames (including commercial, industrial, etc.) (except storm sash) .....	2002..	44	X	316 453
		1997..	53	X	428 301
3323213236	Other aluminum awning window sash and frames (including commercial, industrial, etc.) (except storm sash) .....	2002..	14	X	13 806
		1997..	14	X	30 066
3323213241	Other aluminum projected window sash and frames (including commercial, industrial, etc.) (except storm sash) .....	2002..	28	X	89 064
		1997..	24	X	94 803
3323213246	Other aluminum window sash and frames (including commercial, industrial, etc.) (except storm sash) .....	2002..	49	X	394 163
		1997..	41	X	106 229
3323213251	Metal window, other than steel or aluminum (except storm sash) .....	2002..	8	X	30 138
		1997..	16	X	53 587
33232133	Residential aluminum single and double hung window sash and frames (excluding storm sash) .....	2002..	N	X	808 085
		1997..	N	X	753 499
3323213306	Residential aluminum single and double hung window sash and frames (excluding storm sash) .....	2002..	80	X	808 085
		1997..	106	X	753 499
3323213Y	Metal windows (except storm sash), nsk .....	2002..	N	X	226 096
		1997..	N	X	—
3323213YVW	Metal windows (except storm sash), nsk .....	2002..	N	X	226 096
		1997..	N	X	—
3323215	Metal molding and trim and store fronts .....	2002..	N	X	989 035
		1997..	N	X	876 573
33232151	All other metal trim (including combination of metal) .....	2002..	N	X	955 605
		1997..	N	X	876 573
3323215102	Aluminum moldings and trim .....	2002..	37	X	428 248
		1997..	N	X	N
3323215104	Steel molding and trim .....	2002..	9	X	12 290
		1997..	N	X	N
3323215108	Store fronts, sold complete at factory .....	2002..	10	X	30 391
		1997..	N	X	N
3323215109	Steel curtain walls (including stainless) .....	2002..	11	X	15 389
		1997..	N	X	N
3323215110	Aluminum curtain walls .....	2002..	25	X	435 495
		1997..	N	X	N
3323215112	All other curtain walls .....	2002..	10	X	33 792
		1997..	N	X	N
3323215Y	Metal molding and trim and store fronts, nsk .....	2002..	N	X	33 430
		1997..	N	X	—
3323215YVW	Metal molding and trim and store fronts, nsk .....	2002..	N	X	33 430
		1997..	N	X	—
3323217	Metal combination screen, storm sash, and storm doors .....	2002..	N	X	537 190
		1997..	N	X	485 069
33232171	Metal storm sash (including combination) .....	2002..	N	X	521 738
		1997..	N	X	485 069
3323217101	Metal storm sash (except combination) .....	2002..	9	X	13 422
		1997..	13	X	16 949
3323217106	Metal combination screen and storm sash .....	2002..	31	X	60 935
		1997..	54	X	132 288
3323217111	Metal storm doors .....	2002..	44	X	447 381
		1997..	59	X	335 832
3323217Y	Metal combination screen, storm sash, and storm doors, nsk .....	2002..	N	X	15 452
		1997..	N	X	—
3323217YVW	Metal combination screen, storm sash, and storm doors, nsk .....	2002..	N	X	15 452
		1997..	N	X	—
3323219	Metal window and door screens (except combination) and metal weather strip .....	2002..	N	X	329 880
		1997..	N	X	295 818
33232191	Metal door, window screens, and metal weather strip .....	2002..	N	X	318 185

See footnotes at end of table.

**Table 6a. Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332321	Metal window and door manufacturing—Con.				
3323219	Metal window and door screens (except combination) and metal weather strip—Con.				
33232191	Metal door, window screens, and metal weather strip—Con.				
		1997..	N	X	295 818
3323219101	Metal door screens .....	2002..	23	X	62 877
		1997..	28	X	71 554
3323219106	Metal window screens, with metal frames (including tension and roll types) .....	2002..	31	X	171 707
		1997..	53	X	147 150
3323219111	Metal weather strip .....	2002..	17	X	83 601
		1997..	15	X	77 114
3323219Y	Metal window and door screens (except combination) and metal weather strip, nsk .....	2002..	N	X	11 695
		1997..	N	X	—
3323219YWW	Metal window and door screens (except combination) and metal weather strip, nsk .....	2002..	N	X	11 695
		1997..	N	X	—
332321W	Metal window and door manufacturing, nsk, total .....	2002..	N	X	894 006
		1997..	N	X	717 974
332321WY	Metal window and door manufacturing, nsk, total .....	2002..	N	X	894 006
		1997..	N	X	717 974
332321WYWW	Metal window and door manufacturing, nsk, for nonadministrative-record establishments .....	2002..	N	X	626 432
		1997..	N	X	470 580
332321WYWY	Metal window and door manufacturing, nsk, for administrative-record establishments .....	2002..	N	X	267 574
		1997..	N	X	247 394

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: 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.

**Table 6b. Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic 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 product class code	Product class and geographic area	Value of product shipments (\$1,000)	
3323211	Metal doors (except storm doors)		
	United States .....	2002.. 5 367 546 1997.. 4 700 215	
	Alabama .....	2002.. 78 752 1997.. 77 326	
	Arizona .....	2002.. 99 834 1997.. 85 975	
	California .....	2002.. 489 074 1997.. 522 260	
	Colorado .....	2002.. 61 330 1997.. 18 641	
	Florida .....	2002.. 295 393 1997.. 295 842	
	Georgia .....	2002.. 263 611 1997.. 332 332	
	Illinois .....	2002.. 258 224 1997.. 173 663	
	Indiana .....	2002.. 434 570 1997.. 289 210	
	Kentucky .....	2002.. 5 274 1997.. 10 854	
	Louisiana .....	2002.. 9 580 1997.. N	
	Maryland .....	2002.. 33 774 1997.. 13 579	
	Massachusetts .....	2002.. 6 757 1997.. 17 004	
	Michigan .....	2002.. 74 911 1997.. 147 870	
	Minnesota .....	2002.. 16 373 1997.. 24 821	
	Mississippi .....	2002.. 72 985 1997.. N	
	Missouri .....	2002.. 50 196 1997.. 43 279	
	New Jersey .....	2002.. 80 302 1997.. 59 930	
	New York .....	2002.. 149 365 1997.. 91 619	
	North Carolina .....	2002.. 78 909 1997.. 30 422	
	Ohio .....	2002.. 708 743 1997.. 615 524	
	Oklahoma .....	2002.. 90 477 1997.. 21 479	
	Oregon .....	2002.. 79 118 1997.. 128 785	
	Pennsylvania .....	2002.. 350 227 1997.. 242 054	
	South Carolina .....	2002.. 29 933 1997.. N	
	South Dakota .....	2002.. 15 167 1997.. N	
	Tennessee .....	2002.. 310 249 1997.. 268 205	
	Texas .....	2002.. 256 255 1997.. 258 384	
	Utah .....	2002.. 47 012 1997.. 23 565	
	Washington .....	2002.. 26 954 1997.. 51 859	
	Wisconsin .....	2002.. 156 413 1997.. 128 041	
	3323213	Metal windows (except storm sash)	
		United States .....	2002.. 2 291 146 1997.. 1 919 103
		Alabama .....	2002.. 18 091 1997.. 12 491
		Arizona .....	2002.. 43 583 1997.. 116 974
		California .....	2002.. 225 788 1997.. 185 932
		Florida .....	2002.. 264 917 1997.. 127 519
		Georgia .....	2002.. 57 521 1997.. 63 498
		Kansas .....	2002.. 28 520 1997.. 30 511
		Louisiana .....	2002.. 11 833 1997.. 13 051
		Massachusetts .....	2002.. 9 954 1997.. 14 182
		Michigan .....	2002.. 11 949 1997.. 42 514
		Minnesota .....	2002.. 9 770 1997.. 24 385
		Mississippi .....	2002.. 34 537 1997.. N
		Missouri .....	2002.. 172 710 1997.. 189 341
		New Jersey .....	2002.. 110 549 1997.. 26 617
New York .....		2002.. 109 525 1997.. 68 090	
North Carolina .....		2002.. 7 683 1997.. 17 142	
Ohio .....		2002.. 23 422 1997.. 28 547	
Oregon .....		2002.. 5 380 1997.. 9 979	

See footnotes at end of table.

**Table 6b. Product Class Shipments for Selected States: 2002 and 1997—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic 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 product class code	Product class and geographic area	Value of product shipments (\$1,000)
3323213	Metal windows (except storm sash)—Con.	
	United States—Con.	
	Pennsylvania .....	2002.. 213 343
	South Dakota .....	1997.. 162 302
	Tennessee .....	2002.. 9 408
	Texas .....	1997.. N
	Washington .....	2002.. 47 223
	Wisconsin .....	1997.. 128 600
		2002.. 478 182
		1997.. 231 575
		2002.. 8 482
		1997.. N
		2002.. 102 896
		1997.. 77 903
3323215	Metal molding and trim and store fronts	
	United States .....	2002.. 989 035
	California .....	1997.. 876 573
	Florida .....	2002.. 53 454
	Georgia .....	1997.. 71 569
	Illinois .....	2002.. 143 042
	Indiana .....	1997.. 58 285
	Michigan .....	2002.. 80 100
	Missouri .....	1997.. 72 287
	New Jersey .....	2002.. 17 335
	New York .....	1997.. 35 275
	Ohio .....	2002.. 8 465
	Pennsylvania .....	1997.. 38 622
	Texas .....	2002.. 3 347
	Virginia .....	1997.. N
	Wisconsin .....	2002.. 21 062
		1997.. 33 130
		2002.. 14 031
		1997.. 9 159
		2002.. 4 199
		1997.. 5 984
		2002.. 19 037
		1997.. 54 147
		2002.. 87 897
		1997.. 104 657
		2002.. 178 186
		1997.. 148 390
		2002.. 8 496
		1997.. N
		2002.. 11 662
		1997.. 19 474
3323217	Metal combination screen, storm sash, and storm doors	
	United States .....	2002.. 537 190
	Florida .....	1997.. 485 069
	Illinois .....	2002.. 36 501
	Iowa .....	1997.. 22 965
	Kansas .....	2002.. 9 192
	Michigan .....	1997.. 5 874
	Missouri .....	2002.. 263 031
	New Jersey .....	1997.. N
	North Carolina .....	2002.. 2 686
	Pennsylvania .....	1997.. 4 697
	Texas .....	2002.. 3 589
	Wisconsin .....	1997.. N
		2002.. 10 582
		1997.. N
		2002.. 3 028
		1997.. N
		2002.. 9 619
		1997.. 38 089
		2002.. 6 437
		1997.. 3 455
		2002.. 5 366
		1997.. 20 383
		2002.. 6 518
		1997.. N
3323219	Metal window and door screens (except combination) and metal weather strip	
	United States .....	2002.. 329 880
	California .....	1997.. 295 818
	Florida .....	2002.. 49 442
	Georgia .....	1997.. 34 594
	Indiana .....	2002.. 5 686
	Michigan .....	1997.. 14 822
	New York .....	2002.. 7 988
	Ohio .....	1997.. 15 329
	Tennessee .....	2002.. 9 929
	Texas .....	1997.. N
		2002.. 5 422
		1997.. N
		2002.. 7 792
		1997.. N
		2002.. 31 186
		1997.. 28 009
		2002.. 39 579
		1997.. 31 666
		2002.. 38 198
		1997.. 22 683

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 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
332321	Metal window and door manufacturing		
0090001	Total materials .....	X	5 284 691
	.....2002..	X	4 960 903
	.....1997..	X	285 463
32721101	Flat glass (plate, float, and sheet) .....	X	165 862
	.....2002..	X	231 229
	.....1997..	X	241 328
33251009	Builders' hardware (including door locks, locksets, lock trim, screen hardware, etc.) .....	X	
	.....2002..	X	
	.....1997..	X	
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....	X	75 038
	.....2002..	X	97 114
	.....1997..	X	
33200034	Other fabricated metal products (excluding castings, forgings, bolts, nuts, screws, washers, rivets, and other screw machine products) .....	X	210 981
	.....2002..	X	N
	.....1997..	X	
33151001	Iron and steel castings (rough and semifinished) .....	X	109 589
	.....2002..	X	16 713
	.....1997..	X	
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) .....	X	26 217
	.....2002..	X	31 611
	.....1997..	X	
33210000	Forgings .....	X	1 002
	.....2002..	X	N
	.....1997..	X	
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....	X	36 915
	.....2002..	X	82 962
	.....1997..	X	
33120016	Steel sheet and strip (including tinplate) .....	X	840 848
	.....2002..	X	N
	.....1997..	X	
33120069	Steel structural shapes (excluding castings, forgings, and fabricated metal products) .....	X	71 844
	.....2002..	X	51 359
	.....1997..	X	
33120025	Steel wire and wire products .....	X	24 669
	.....2002..	X	32 501
	.....1997..	X	
33120087	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....	X	149 501
	.....2002..	X	291 688
	.....1997..	X	
33142111	Copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....	X	629
	.....2002..	X	2 516
	.....1997..	X	
33131500	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing .....	X	80 656
	.....2002..	X	N
	.....1997..	X	
33100082	Other nonferrous metal shapes and forms (excluding aluminum and aluminum-base alloy and copper and copper-base alloy castings, forgings, and fabricated metal products) .....	X	68 935
	.....2002..	X	N
	.....1997..	X	
33100007	All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (excluding castings and forgings) .....	X	402 872
	.....2002..	X	331 384
	.....1997..	X	
00190014	Aluminum and aluminum-base alloy scrap (excluding home scrap) .....	X	27 739
	.....2002..	X	N
	.....1997..	X	
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....	X	109 505
	.....2002..	X	75 682
	.....1997..	X	
00970099	All other materials and components, parts, containers, and supplies .....	X	1 955 852
	.....2002..	X	N
	.....1997..	X	
00971000	Materials, ingredients, containers, and supplies, nsk .....	X	575 207
	.....2002..	X	543 789
	.....1997..	X	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: 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.