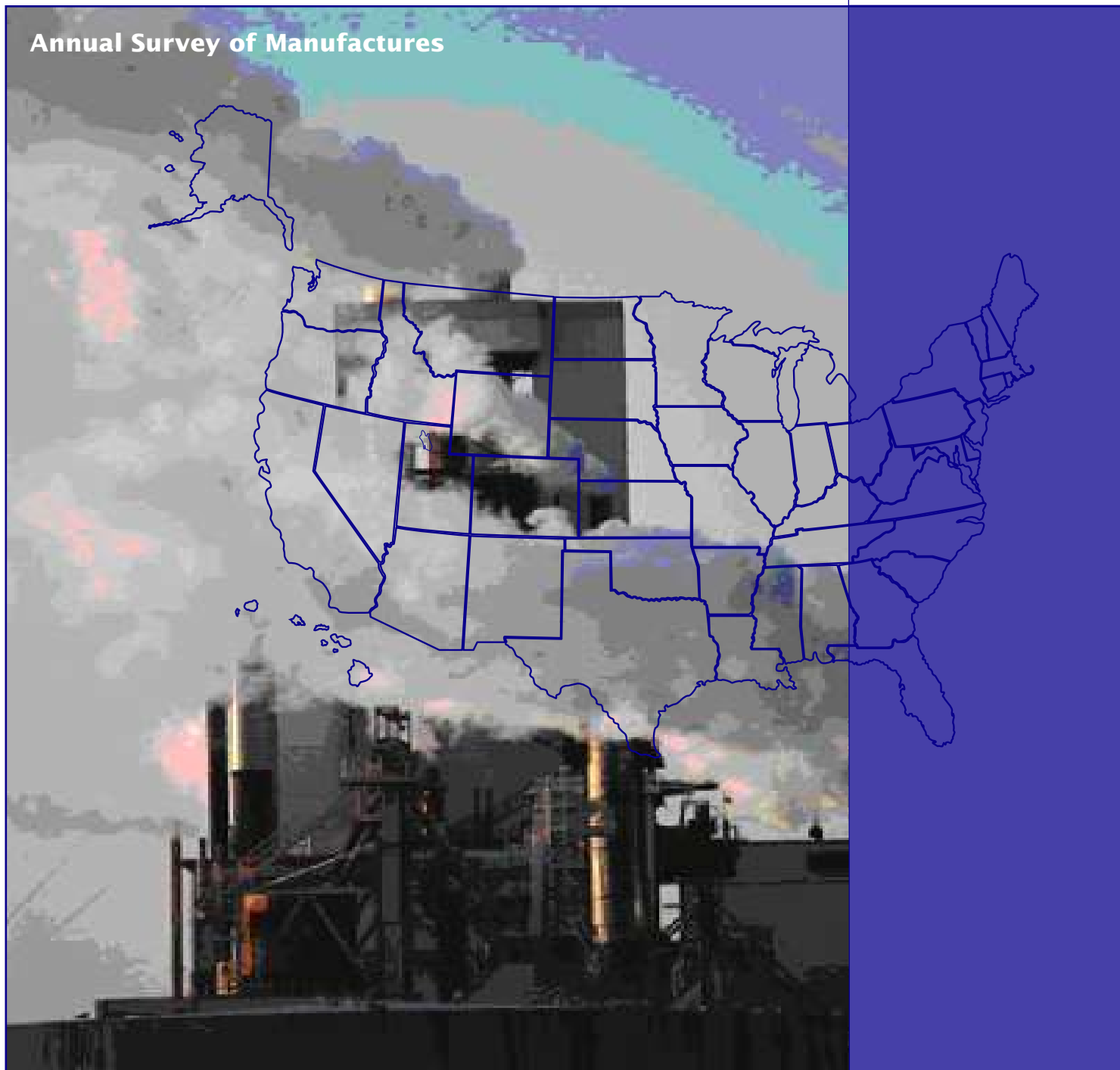


Geographic Area Statistics: 2003

Issued May 2005

M03(AS)-3

Annual Survey of Manufactures



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-- Not applicable for this report.	

Annual Survey of Manufactures

SCOPE

The Annual Survey of Manufactures (ASM) provides sample estimates of statistics for all manufacturing establishments with one or more paid employees. The Manufacturing sector (sector 31-33) comprises establishments engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products. The assembling of component parts of manufactured products is considered manufacturing, except in cases where the activity is appropriately classified in Sector 23, Construction. This report presents manufacturing establishment statistics from the 2003 Annual Survey of Manufactures (ASM).

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

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

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

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

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

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

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

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

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

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

REPORTS

The Annual Survey of Manufactures consist of manufacturing establishment statistics from the 2003 Annual Survey of Manufactures (ASM). Three reports are issued from this survey. Each of the following ASM reports provide sample estimates of statistics on all manufacturing establishments with one or more paid employees.

AS-1 — Statistics for Industry Groups and Industries. This report presents manufacturing establishments statistics for industry groups and industries from the Annual Survey of Manufactures (ASM). This ASM report presents 2002 and 2003 data at the three-, four-, five-, and six-digit North American Industry Classification System (NAICS) levels. The 2002 data are from the 2002 Economic Census — Manufacturing and include revisions made to the data since its initial release. This report also includes a historic table with data for the all-manufacturing level back to 1977. This report includes such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, detailed capital expenditures, supplemental labor costs, fuels and electric energy used, inventories by stage of fabrication, value of shipments, detailed miscellaneous receipts, and interplant transfers.

AS-2 — Value of Product Shipments. This report presents value of product shipments from the Annual Survey of Manufactures (ASM). This ASM report presents 2002 and 2003 shipments data for the 473 six-digit NAICS product groups, 1,450 seven-digit NAICS product classes, and products primary to more than one industry.

AS-3 — Geographic Area Statistics. This report presents similar statistics at the “all manufacturing” level for the United States, each state, and the District of Columbia. This ASM report presents 2002 and 2003 data at the three- and four-digit North American Industry Classification System (NAICS) levels for employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, and total capital expenditures. Data for detailed capital expenditures, supplemental labor costs, fuels and electric energy used, and inventories by stage of fabrication are presented at the US and state levels.

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

GEOGRAPHIC AREAS COVERED

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

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 2003 data are expressed in 2003 dollars, and 2002 data, in 2002 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 2003 AND PRIOR YEARS ANNUAL SURVEY OF MANUFACTURES

The 2003 ASM and prior years ASM, present data based on the North American Industry Classification System (NAICS). While there were revisions to selected industries for the 2002 Economic Census, this sector was not affected by those revisions.

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

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

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

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

For 2003, there have been several additional data tables added, which did not exist in prior years ASM. These tables for 2003 include value of shipments for industry groups and industries, and products primary to more than one industry. Also for the industry groups and industries table, a new industry grouping (NAICS five-digit) will be published for certain industries.

RELIABILITY OF DATA

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

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

DISCLOSURE

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

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

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

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

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

CONTACTS FOR DATA USERS

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

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with these data:

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

Table 1. Statistics for All Manufacturing by State: 2003

[Thousand dollars. Data based on the 2003 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]

Geographic area	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Relative standard error of estimate ³ (percent) for column—	
	Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)				A	F
United States	13 865 811	564 770 899	9 794 556	19 883 425	329 729 681	1 909 615 972	2 071 185 094	3 977 165 362	1	1
Alabama	260 343	9 406 225	205 276	415 899	6 433 921	29 768 242	40 130 951	70 047 646	1	2
Alaska	11 357	370 768	9 668	21 153	275 890	1 413 087	2 971 562	4 371 112	4	5
Arizona	161 235	7 120 016	101 000	205 891	3 366 913	29 016 543	16 162 658	44 899 670	1	1
Arkansas	192 952	6 119 863	154 465	314 755	4 378 519	22 729 668	24 775 041	47 560 317	1	1
California	1 523 323	64 840 184	978 081	1 948 544	30 194 711	197 547 397	182 988 068	378 468 454	1	1
Colorado	141 943	6 337 722	90 368	182 655	3 161 412	17 242 913	16 435 044	33 774 662	2	2
Connecticut	194 502	9 248 050	116 954	243 658	4 478 198	25 771 357	15 685 794	41 586 523	1	1
Delaware	36 490	1 629 909	25 817	52 891	965 276	4 606 503	9 616 490	14 444 949	2	2
District of Columbia	1 944	84 336	717	1 440	18 471	195 804	98 762	293 218	5	4
Florida	358 308	13 971 984	233 396	473 631	6 918 736	42 391 298	36 866 442	78 899 975	1	1
Georgia	430 768	15 421 831	330 211	682 242	10 081 552	58 683 253	66 293 243	125 098 997	1	1
Hawaii	13 564	434 350	8 988	17 649	269 084	1 224 485	2 641 892	3 879 733	2	6
Idaho	58 207	2 158 730	44 292	90 139	1 433 723	7 701 444	7 988 598	15 787 574	2	2
Illinois	704 739	29 021 247	492 542	1 004 584	16 611 482	93 534 022	97 156 914	190 421 119	1	1
Indiana	536 413	22 484 126	407 958	839 530	15 219 438	80 988 082	86 426 954	167 436 762	1	1
Iowa	217 838	8 183 425	158 392	322 790	5 148 153	32 738 826	37 635 286	70 322 672	1	1
Kansas	167 731	6 702 392	116 569	236 718	3 988 407	20 428 603	29 607 163	50 368 460	1	1
Kentucky	251 650	10 108 186	192 276	392 083	6 824 985	35 562 332	54 277 634	89 651 520	1	1
Louisiana	144 766	6 391 710	105 104	218 663	4 157 685	30 604 577	64 299 600	94 386 725	1	1
Maine	64 492	2 535 311	48 125	94 815	1 681 896	7 377 409	6 573 123	13 925 320	2	2
Maryland	143 771	6 514 548	91 790	178 633	3 118 034	18 490 466	16 704 551	35 456 384	1	1
Massachusetts	325 758	14 961 776	200 989	409 748	6 864 023	46 265 933	31 875 095	78 022 558	1	1
Michigan	685 392	32 548 673	505 779	1 052 027	21 950 749	97 552 030	126 697 620	223 852 591	1	1
Minnesota	333 385	14 044 516	224 149	452 230	7 614 998	41 451 418	41 354 012	82 691 240	1	2
Mississippi	167 606	5 256 677	134 000	260 005	3 628 192	17 168 991	22 834 793	39 995 014	1	1
Missouri	306 062	12 405 270	226 072	445 798	8 111 140	43 120 239	53 077 943	95 941 135	1	1
Montana	16 565	586 594	12 166	22 644	379 292	1 793 537	3 552 562	5 334 052	4	3
Nebraska	100 862	3 388 200	77 938	161 725	2 295 917	11 843 831	21 192 108	32 962 250	1	1
Nevada	44 278	1 820 517	28 409	60 118	946 851	5 040 107	4 174 160	9 103 481	6	3
New Hampshire	83 730	3 562 663	54 045	111 512	1 730 480	8 908 698	7 352 560	16 205 442	3	1
New Jersey	345 217	15 385 941	226 139	460 048	7 901 562	51 979 452	44 647 999	96 324 612	1	2
New Mexico	29 900	1 168 715	21 911	44 463	722 677	6 149 934	4 601 296	10 669 689	2	5
New York	592 077	24 434 147	397 789	807 296	13 169 242	80 198 578	61 900 505	142 252 316	1	1
North Carolina	569 379	19 791 913	433 775	876 931	12 589 908	89 016 793	68 410 062	157 358 938	1	1
North Dakota	21 206	721 134	15 984	32 539	469 000	2 519 555	3 904 287	6 418 718	6	3
Ohio	811 161	34 336 596	596 281	1 232 381	22 446 218	109 282 204	130 738 514	240 066 113	1	1
Oklahoma	138 583	5 158 484	102 097	204 581	3 314 474	17 685 839	24 108 668	41 345 200	1	2
Oregon	176 114	6 983 530	125 092	244 174	4 205 090	25 109 453	19 331 304	44 511 953	1	1
Pennsylvania	675 602	26 880 222	478 934	965 959	16 125 178	93 776 840	89 720 311	183 720 920	1	1
Rhode Island	60 388	2 295 978	40 652	80 885	1 210 742	6 039 219	4 690 190	10 652 680	1	1
South Carolina	279 328	10 411 821	212 349	430 579	6 756 356	39 228 391	45 366 683	84 526 128	1	1
South Dakota	35 954	1 137 540	27 443	56 306	769 355	3 775 635	6 582 528	10 355 806	1	3
Tennessee	384 719	14 344 689	290 530	587 361	9 258 659	51 129 897	62 385 347	113 789 183	1	1
Texas	806 797	33 635 750	558 257	1 149 722	18 647 026	123 845 909	203 079 123	326 717 669	1	1
Utah	105 841	3 980 420	71 215	141 213	2 162 404	12 719 678	12 898 172	25 624 350	2	1
Vermont	41 545	1 716 181	27 759	56 921	936 398	4 971 665	4 394 643	9 469 223	1	2
Virginia	295 858	11 530 391	218 251	450 219	7 221 189	46 848 691	35 978 978	82 759 908	1	1
Washington	258 610	10 930 483	164 950	331 526	5 534 627	38 896 066	40 703 035	79 891 423	1	1
West Virginia	64 617	2 612 770	48 824	97 277	1 719 617	8 204 573	11 223 438	19 462 834	1	1
Wisconsin	481 862	19 238 512	352 222	700 000	12 020 722	65 354 715	65 822 082	131 134 236	1	1
Wyoming	11 075	415 883	8 580	18 874	301 110	1 721 791	3 251 307	4 923 909	13	4

¹Figures represent average number of production workers for the payroll period that includes the 12th of March, May, August, and November, plus other employees for the payroll period that includes the 12th of March.

²Aggregate of total cost of materials and total value of shipments includes extensive duplication, since products of some industries are used as materials of others.

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

Note: The data in this table are based on the 2003 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Statistics for the United States and States by Industry Group: 2003

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —							
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I					
														A	B	C	D	E
	UNITED STATES																	
31-33	Manufacturing	13 865 811	564 770 899	9 794 556	19 883 425	329 729 681	1 909 615 972	2 071 185 094	3 977 165 362	113 184 924	1	1	1					
311	Food manufacturing	1 468 455	45 775 255	1 120 814	2 279 111	30 695 747	210 688 459	272 051 900	481 648 224	11 693 468	1	1	1					
3111	Animal food manufacturing .	46 199	1 780 901	31 006	66 097	1 057 974	10 563 623	18 051 658	28 330 537	522 617	2	5	4					
3112	Grain and oilseed milling ...	53 571	2 444 237	40 301	90 321	1 657 493	19 828 822	33 172 033	52 925 444	2 122 592	1	1	1					
3113	Sugar and confectionery product manufacturing	76 212	2 787 044	59 033	121 964	1 942 644	13 835 970	12 635 748	26 473 692	1 022 577	2	2	3					
3114	Fruit and vegetable preserving and specialty food manufacturing	169 378	5 358 900	141 627	284 643	3 942 589	28 490 057	24 280 819	52 700 703	1 435 253	1	2	4					
3115	Dairy product manufacturing	128 708	4 960 484	88 195	187 044	3 119 582	22 535 023	44 972 948	67 428 866	1 765 498	1	1	3					
3116	Animal slaughtering and processing	493 390	12 670 612	424 603	891 117	9 741 703	44 211 775	90 720 091	134 643 295	1 822 804	1	1	2					
3117	Seafood product preparation and packaging	42 890	1 131 892	36 937	70 106	797 907	3 388 523	5 456 131	8 858 534	161 845	4	2	6					
3118	Bakeries and tortilla manufacturing	292 754	8 900 965	177 108	325 788	4 885 124	32 106 861	16 758 912	48 652 351	1 558 992	1	1	5					
3119	Other food manufacturing ..	165 354	5 740 219	122 003	242 032	3 550 730	35 727 804	26 003 560	61 634 802	1 281 289	1	1	2					
312	Beverage and tobacco product manufacturing	150 955	6 860 213	85 944	176 947	3 360 397	69 920 646	37 977 125	107 624 151	2 837 311	2	1	3					
3121	Beverage manufacturing ...	126 439	5 462 026	68 069	141 372	2 531 077	36 334 167	32 577 840	68 646 570	2 542 821	2	1	3					
3122	Tobacco manufacturing	24 516	1 398 187	17 875	35 575	829 320	33 586 479	5 399 285	38 977 581	294 490	1	1	3					
313	Textile mills	247 497	7 169 555	210 772	421 392	5 404 300	18 544 105	23 988 760	42 577 035	990 582	1	1	3					
3131	Fiber, yarn, and thread mills	58 833	1 509 937	53 253	105 303	1 256 455	3 684 452	6 611 463	10 350 678	213 293	1	2	8					
3132	Fabric mills	129 740	3 886 754	110 325	218 879	2 926 610	10 210 091	10 789 683	21 010 967	576 629	1	1	3					
3133	Textile and fabric finishing and fabric coating mills....	58 924	1 772 863	47 194	97 210	1 221 235	4 649 562	6 587 614	11 215 389	200 660	1	3	9					
314	Textile product mills	170 187	4 605 121	135 671	275 307	3 090 437	13 568 617	17 790 401	31 174 131	376 307	1	1	5					
3141	Textile furnishings mills ...	94 523	2 516 341	77 499	160 846	1 780 660	8 849 862	13 134 085	21 829 020	192 199	1	1	7					
3149	Other textile product mills ..	75 664	2 088 779	58 172	114 461	1 309 777	4 718 755	4 656 316	9 345 111	184 107	2	4	6					
315	Apparel manufacturing	297 780	6 729 673	235 388	442 104	4 236 809	20 302 833	20 394 227	40 603 772	417 917	1	1	5					
3151	Apparel knitting mills	43 244	1 055 359	35 942	74 146	767 042	2 489 827	2 624 156	5 109 166	122 671	1	4	13					
3152	Cut and sew apparel manufacturing	228 839	5 043 816	180 314	332 562	3 101 893	16 465 190	16 325 961	32 692 889	273 348	1	1	5					
3159	Apparel accessories and other apparel manufacturing	25 698	630 498	19 132	35 397	367 874	1 347 816	1 444 110	2 801 716	21 898	2	3	11					
316	Leather and allied product manufacturing	40 416	1 102 842	31 952	60 703	676 423	2 819 066	3 055 033	5 894 070	79 152	1	2	7					
3161	Leather and hide tanning and finishing	7 871	257 977	6 196	12 131	179 514	751 670	1 339 080	2 094 728	25 019	1	2	6					
3162	Footwear manufacturing ...	17 530	461 468	14 225	27 383	291 608	1 031 022	1 039 892	2 089 191	31 353	2	3	10					
3169	Other leather and allied product manufacturing	15 016	383 397	11 531	21 188	205 301	1 036 374	676 061	1 710 151	22 780	2	3	18					
321	Wood product manufacturing .	511 684	15 638 234	419 874	874 514	11 311 077	36 600 010	54 739 215	91 302 854	2 112 619	1	1	4					
3211	Sawmills and wood preservation	103 713	3 452 844	88 919	190 725	2 721 345	8 404 899	18 313 102	26 683 126	809 729	2	2	10					
3212	Veneer, plywood, and engineered wood product manufacturing	110 207	3 637 496	89 398	193 148	2 610 602	8 865 948	12 632 273	21 557 828	489 204	1	1	4					
3219	Other wood product manufacturing	297 764	8 547 894	241 557	490 641	5 979 130	19 329 163	23 793 839	43 061 899	813 686	1	2	4					
322	Paper manufacturing	461 233	20 688 728	357 899	754 069	14 252 999	71 921 156	76 896 264	149 012 471	5 894 602	1	1	1					
3221	Pulp, paper, and paperboard mills	144 567	8 248 149	115 149	247 178	6 155 451	34 939 984	31 631 915	66 527 581	3 656 781	1	1	1					
3222	Converted paper product manufacturing	316 667	12 440 579	242 750	506 891	8 097 548	36 981 172	45 264 348	82 484 889	2 237 821	1	1	3					
323	Printing and related support activities	677 818	25 179 130	490 332	942 984	15 565 863	56 894 072	35 447 425	92 365 244	3 472 754	1	1	5					
3231	Printing and related support activities	677 818	25 179 130	490 332	942 984	15 565 863	56 894 072	35 447 425	92 365 244	3 472 754	1	1	5					
324	Petroleum and coal products manufacturing	101 497	6 415 930	65 820	145 933	3 822 917	45 493 891	192 664 361	237 118 283	7 544 167	1	1	2					
3241	Petroleum and coal products manufacturing ...	101 497	6 415 930	65 820	145 933	3 822 917	45 493 891	192 664 361	237 118 283	7 544 167	1	1	2					

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —					
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I			
		A	B	C	D	E					F	G	H	I	A	F
	UNITED STATES—Con.															
31-33	Manufacturing—Con.															
325	Chemical manufacturing	822 153	44 622 319	478 809	990 059	21 359 729	259 689 262	219 204 690	477 441 459	15 466 980	1	1	3			
3251	Basic chemical manufacturing	171 775	10 545 436	99 372	213 851	5 508 590	46 107 354	71 451 966	117 367 408	3 796 021	1	2	3			
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	94 211	5 077 327	64 954	139 949	3 112 366	23 700 380	40 343 368	64 019 294	1 932 430	1	1	2			
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	30 807	1 481 563	20 025	43 202	859 212	10 130 821	11 017 379	21 131 844	492 975	2	1	3			
3254	Pharmaceutical and medicine manufacturing	240 024	14 048 885	118 789	234 355	5 262 812	109 925 975	37 831 040	146 561 917	6 026 471	1	2	6			
3255	Paint, coating, and adhesive manufacturing	66 513	3 046 551	39 130	78 607	1 397 800	13 988 781	13 655 062	27 573 227	545 721	1	2	4			
3256	Soap, cleaning compound, and toilet preparation manufacturing	110 461	5 047 562	70 963	142 424	2 611 842	36 771 579	25 276 818	61 898 909	1 347 583	2	1	3			
3259	Other chemical product and preparation manufacturing	108 362	5 374 995	65 576	137 672	2 607 106	19 064 371	19 629 057	38 888 861	1 325 780	1	1	9			
326	Plastics and rubber products manufacturing	933 879	32 163 132	731 535	1 491 507	21 576 145	91 535 559	84 913 774	176 259 740	6 399 407	1	1	4			
3261	Plastics product manufacturing	762 713	25 358 526	597 919	1 218 124	16 746 471	73 988 424	68 920 098	142 655 088	5 497 453	1	1	5			
3262	Rubber product manufacturing	171 166	6 804 606	133 617	273 383	4 829 674	17 547 136	15 993 676	33 604 652	901 954	1	1	4			
327	Nonmetallic mineral product manufacturing	462 666	17 734 051	360 545	763 051	12 479 210	54 750 146	41 510 314	96 281 570	4 750 661	1	1	4			
3271	Clay product and refractory manufacturing	57 388	1 933 591	45 501	94 124	1 340 005	5 337 295	2 888 531	8 230 861	369 130	1	2	6			
3272	Glass and glass product manufacturing	107 846	4 211 065	87 660	180 377	3 100 763	12 630 283	9 596 420	22 225 602	1 183 403	2	1	5			
3273	Cement and concrete product manufacturing	210 255	8 015 066	161 328	347 676	5 623 206	24 474 012	20 627 630	45 093 484	2 311 919	1	1	7			
3274	Lime and gypsum product manufacturing	16 468	745 111	13 107	30 504	554 208	2 649 769	2 873 919	5 526 743	335 000	2	1	13			
3279	Other nonmetallic mineral product manufacturing	70 709	2 829 218	52 949	110 371	1 861 028	9 658 787	5 523 815	15 204 880	551 209	1	1	6			
331	Primary metal manufacturing	455 576	20 194 603	357 399	758 141	14 602 312	54 187 838	81 931 075	136 746 420	3 423 679	1	1	2			
3311	Iron and steel mills and ferroalloy manufacturing	108 699	5 912 114	86 454	179 664	4 530 987	17 600 343	28 910 118	47 134 839	937 871	1	1	1			
3312	Steel product manufacturing from purchased steel	48 484	1 973 303	38 065	80 304	1 404 381	5 047 938	8 871 680	13 986 180	421 778	1	1	6			
3313	Alumina and aluminum production and processing	70 547	2 975 347	53 052	118 139	2 050 578	9 053 642	18 876 536	27 741 216	522 425	1	1	1			
3314	Nonferrous metal (except aluminum) production and processing	60 803	2 673 118	43 792	95 595	1 700 051	8 037 209	14 061 059	22 143 231	392 098	1	2	2			
3315	Foundries	167 044	6 660 721	136 037	284 439	4 916 316	14 448 706	11 211 681	25 740 955	1 149 508	2	1	4			
332	Fabricated metal product manufacturing	1 483 420	55 906 906	1 107 791	2 270 867	35 896 319	137 194 600	107 598 471	244 728 604	6 627 018	1	1	2			
3321	Forging and stamping	121 531	4 691 685	92 767	196 575	3 068 584	11 060 014	10 819 955	21 902 914	668 920	1	3	4			
3322	Cutlery and handtool manufacturing	57 293	2 180 228	42 084	83 143	1 302 266	6 288 765	3 894 711	10 189 243	271 788	1	1	6			
3323	Architectural and structural metals manufacturing	370 703	13 140 455	267 034	544 016	8 061 954	30 191 511	28 849 231	59 048 338	1 113 127	1	1	3			
3324	Boiler, tank, and shipping container manufacturing	85 505	3 558 164	65 678	140 369	2 427 598	10 194 933	12 540 967	22 732 745	492 824	1	2	3			
3325	Hardware manufacturing	55 950	1 972 172	41 902	82 150	1 201 348	5 876 892	4 292 632	10 227 900	201 666	1	1	8			
3326	Spring and wire product manufacturing	62 093	2 023 868	48 816	98 836	1 339 730	4 988 252	4 120 279	9 106 694	229 732	1	2	7			
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	336 366	13 360 738	256 565	534 219	9 096 905	27 764 826	14 711 765	42 177 510	1 706 695	1	1	5			
3328	Coating, engraving, heat treating, and allied activities	127 599	4 428 372	99 170	201 568	2 964 345	10 402 674	7 828 240	18 271 994	643 363	2	2	4			
3329	Other fabricated metal product manufacturing	266 381	10 551 223	193 775	389 991	6 433 589	30 426 733	20 540 690	51 071 266	1 298 903	1	1	4			

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —			
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
		A	B	C	D	E					F	G	H	I
	UNITED STATES—Con.													
31-333	Manufacturing—Con.													
3331	Machinery manufacturing	1 098 974	48 036 258	693 720	1 394 052	24 694 587	125 782 092	126 597 786	252 984 268	5 385 227	1	1	2	
3331	Agriculture, construction, and mining machinery manufacturing	168 683	6 923 336	112 808	227 564	3 948 091	20 821 285	30 314 381	51 252 368	867 746	1	1	3	
3332	Industrial machinery manufacturing	143 808	7 244 060	73 204	139 672	2 796 263	15 060 155	13 515 410	28 793 277	711 883	1	1	3	
3333	Commercial and service industry machinery manufacturing	95 717	4 120 163	54 154	108 780	1 758 078	11 490 915	9 207 404	20 693 904	504 617	1	1	13	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	147 798	5 305 261	106 696	211 274	3 140 166	16 548 387	15 685 795	32 093 434	468 166	1	1	3	
3335	Metalworking machinery manufacturing	174 171	7 945 287	120 758	249 043	4 898 037	15 392 941	8 848 185	24 441 133	695 478	1	1	14	
3336	Engine, turbine, and power transmission equipment manufacturing	87 487	4 172 206	61 709	123 191	2 470 322	17 175 796	21 064 605	38 539 504	964 627	1	1	2	
3339	Other general purpose machinery manufacturing	281 309	12 325 946	164 391	334 528	5 683 630	29 292 614	27 962 008	57 170 648	1 172 709	1	1	3	
334	Computer and electronic product manufacturing	1 163 493	63 202 210	540 185	1 082 070	19 693 294	203 599 441	151 038 646	353 766 924	12 627 439	1	1	2	
3341	Computer and peripheral equipment manufacturing	142 212	8 516 278	42 414	82 709	1 745 700	30 488 949	38 106 322	68 768 295	1 974 291	1	1	1	
3342	Communications equipment manufacturing	163 537	9 263 647	62 237	116 559	2 067 192	30 587 635	30 206 502	60 534 802	1 494 404	3	1	12	
3343	Audio and video equipment manufacturing	24 931	993 087	15 089	29 910	390 710	3 194 249	5 451 940	8 649 591	133 611	1	4	6	
3344	Semiconductor and other electronic component manufacturing	388 604	18 611 032	231 093	475 645	8 142 866	72 766 262	40 567 349	113 191 600	5 615 804	1	1	3	
3345	Navigational, measuring, electromedical, and control instruments manufacturing	407 523	24 418 432	162 300	318 463	6 473 729	62 292 094	33 967 122	95 602 256	3 035 381	1	1	5	
3346	Manufacturing and reproducing magnetic and optical media	36 684	1 399 732	27 053	58 784	873 098	4 270 251	2 739 411	7 020 380	373 948	2	2	9	
335	Electrical equipment, appliance, and component manufacturing	452 285	17 254 684	320 224	632 915	9 772 335	51 850 625	49 277 140	101 213 491	2 249 821	1	1	4	
3351	Electric lighting equipment manufacturing	59 659	2 139 063	42 485	85 115	1 221 483	6 650 705	5 133 988	11 762 291	199 160	2	2	6	
3352	Household appliance manufacturing	84 136	2 863 060	70 315	132 697	2 101 854	10 290 186	13 104 455	23 439 745	633 380	1	2	14	
3353	Electrical equipment manufacturing	148 939	5 905 856	98 198	194 632	2 996 517	16 543 297	14 114 732	30 628 965	427 502	1	1	3	
3359	Other electrical equipment and component manufacturing	159 550	6 346 706	109 227	220 471	3 452 480	18 366 438	16 923 964	35 382 490	989 779	1	1	2	
336	Transportation equipment manufacturing	1 581 477	81 060 430	1 143 063	2 334 260	53 159 547	258 638 214	393 710 051	653 411 144	16 121 261	1	1	2	
3361	Motor vehicle manufacturing	211 423	14 313 756	185 882	366 914	12 275 562	78 239 948	181 577 434	259 587 894	5 186 691	1	1	1	
3362	Motor vehicle body and trailer manufacturing	127 157	4 325 029	101 734	201 193	3 041 002	9 475 791	16 419 019	25 867 988	386 756	1	1	6	
3363	Motor vehicle parts manufacturing	670 428	31 398 406	524 925	1 101 365	22 780 998	84 401 221	116 509 227	200 680 753	7 377 266	1	1	3	
3364	Aerospace product and parts manufacturing	374 265	23 083 925	187 885	382 939	10 070 181	65 338 038	57 302 755	123 953 469	2 330 724	1	1	1	
3365	Railroad rolling stock manufacturing	24 576	1 157 969	15 432	30 067	588 303	2 935 338	4 272 326	7 433 240	95 934	1	1	6	
3366	Ship and boat building	134 109	5 191 026	98 326	196 373	3 415 398	12 605 692	9 402 191	22 007 883	374 780	1	1	4	
3369	Other transportation equipment manufacturing	39 520	1 590 318	28 879	55 408	988 101	5 642 187	8 227 099	13 879 916	369 110	1	1	10	
337	Furniture and related product manufacturing	556 560	16 795 642	434 509	862 791	11 100 844	42 539 969	33 018 470	75 569 290	1 375 715	1	1	7	
3371	Household and institutional furniture and kitchen cabinet manufacturing	359 107	10 104 405	291 652	577 150	7 113 768	24 159 100	19 942 280	44 107 084	851 678	1	1	11	
3372	Office furniture (including fixtures) manufacturing	153 975	5 341 105	110 382	222 242	3 181 252	14 125 099	9 365 146	23 517 380	410 299	1	1	7	
3379	Other furniture related product manufacturing	43 479	1 350 132	32 476	63 399	805 823	4 255 770	3 711 043	7 944 826	113 737	1	1	9	

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														A	B	C	D	E	F
	UNITED STATES—Con.																		
31-33	Manufacturing—Con.																		
339	Miscellaneous manufacturing	727 802	27 635 984	472 309	930 650	12 978 394	83 095 372	47 379 966	129 442 218	3 338 839	1	1	2						
3391	Medical equipment and supplies manufacturing	316 889	13 702 691	192 597	383 420	5 731 781	47 010 773	19 417 196	65 454 140	1 936 939	1	1	3						
3399	Other miscellaneous manufacturing	410 913	13 933 293	279 712	547 230	7 246 613	36 084 598	27 962 771	63 988 078	1 401 900	1	1	3						
	ALABAMA																		
31-33	Manufacturing	260 343	9 406 225	205 276	415 899	6 433 921	29 768 242	40 130 951	70 047 646	2 723 989	1	2	2						
311	Food manufacturing	31 838	783 713	26 754	51 158	554 493	2 908 590	3 992 228	6 927 695	171 403	3	15	14						
3115	Dairy product manufacturing	1 115	42 731	609	1 227	15 367	204 984	321 453	523 230	15 338	50	26	37						
3116	Animal slaughtering and processing	20 105	447 176	17 921	35 076	363 952	1 872 160	1 727 558	3 615 587	74 185	1	1	31						
3117	Seafood product preparation and packaging	1 461	27 971	1 888	2 750	18 846	99 449	184 896	284 844	10 064	45	14	35						
3118	Bakeries and tortilla manufacturing	4 004	120 090	2 553	4 562	66 574	303 128	223 354	526 168	21 705	3	5	9						
3119	Other food manufacturing	3 609	93 295	2 384	4 676	45 313	333 221	397 954	736 832	19 943	1	2	3						
312	Beverage and tobacco product manufacturing	2 074	68 949	1 280	2 860	37 337	294 519	506 278	800 789	26 311	1	1	14						
3121	Beverage manufacturing	g	D	D	D	D	D	D	D	D	S	S	S						
313	Textile mills	13 253	355 794	11 931	23 378	301 881	929 383	1 564 214	2 502 458	35 419	3	3	3						
3131	Fiber, yarn, and thread mills	4 468	115 610	4 198	8 208	102 475	275 799	583 398	868 434	7 079	1	3	9						
3132	Fabric mills	7 107	198 265	6 405	12 751	168 342	502 744	543 159	1 046 078	21 463	6	6	4						
3133	Textile and fabric finishing and fabric coating mills.	1 678	41 919	1 328	2 420	31 064	150 840	437 658	587 946	6 878	1	1	1						
314	Textile product mills	6 105	154 847	5 275	10 935	119 634	522 659	896 281	1 417 315	11 484	3	2	3						
3141	Textile furnishings mills	4 486	109 687	3 834	7 971	83 054	411 172	688 195	1 096 138	D	1	1	S						
3149	Other textile product mills	1 620	45 160	1 442	2 963	36 580	111 487	208 086	321 177	D	10	6	S						
315	Apparel manufacturing	11 572	241 796	9 427	18 485	170 470	874 463	871 793	1 763 241	36 299	6	5	16						
3151	Apparel knitting mills.	5 897	132 471	4 890	10 315	96 494	233 477	349 982	595 950	32 424	4	15	18						
3152	Cut and sew apparel manufacturing	4 733	90 549	3 652	6 668	57 801	597 063	456 382	1 054 097	3 566	15	5	3						
321	Wood product manufacturing	19 175	576 754	15 968	32 610	422 393	1 309 692	2 398 054	3 717 028	70 289	3	2	13						
3211	Sawmills and wood preservation	5 174	187 159	4 315	9 521	142 537	403 778	975 643	1 376 228	29 883	9	4	18						
3212	Veneer, plywood, and engineered wood product manufacturing	3 733	122 491	3 212	7 061	95 319	320 414	556 659	891 374	7 971	1	2	30						
3219	Other wood product manufacturing	10 268	267 104	8 441	16 028	184 537	585 499	865 752	1 449 427	32 436	3	2	20						
322	Paper manufacturing	12 564	682 884	10 230	24 030	523 980	2 602 712	2 764 368	5 324 263	305 911	1	1	6						
3221	Pulp, paper, and paperboard mills	9 273	561 754	7 605	18 592	440 180	2 177 080	2 222 537	4 359 457	260 257	1	1	1						
3222	Converted paper product manufacturing	3 291	121 129	2 625	5 438	83 800	425 631	541 832	964 806	45 654	6	4	42						
323	Printing and related support activities	4 927	163 617	3 313	6 554	96 912	407 350	271 398	675 013	16 989	6	12	27						
3231	Printing and related support activities	4 927	163 617	3 313	6 554	96 912	407 350	271 398	675 013	16 989	6	12	27						
324	Petroleum and coal products manufacturing	2 027	108 639	1 462	3 181	69 968	466 931	2 012 079	2 488 013	107 612	1	1	1						
3241	Petroleum and coal products manufacturing	2 027	108 639	1 462	3 181	69 968	466 931	2 012 079	2 488 013	107 612	1	1	1						
325	Chemical manufacturing	12 231	591 208	8 806	18 968	369 957	3 928 414	3 708 615	7 591 064	231 532	3	2	7						
3251	Basic chemical manufacturing	3 959	258 233	2 542	5 775	145 552	1 432 669	1 883 094	3 272 031	115 503	9	4	14						
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	4 818	189 990	4 037	8 597	146 062	1 616 141	1 012 834	2 628 243	87 059	1	1	1						
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	1 135	44 619	749	1 577	25 020	311 111	205 766	543 856	14 443	5	3	18						
3259	Other chemical product and preparation manufacturing	1 028	37 182	687	1 277	21 776	206 465	282 465	491 485	6 015	1	1	7						

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E							
	ALABAMA—Con.												
31-33	Manufacturing—Con.												
326	Plastics and rubber products manufacturing	15 868	618 361	13 138	25 483	474 355	1 551 088	1 483 540	3 033 029	94 096	3	2	5
3261	Plastics product manufacturing	8 785	285 426	7 212	14 110	206 310	885 416	844 923	1 714 857	61 427	6	3	8
3262	Rubber product manufacturing	7 083	332 935	5 927	11 373	268 045	665 671	638 617	1 318 172	32 669	1	2	1
327	Nonmetallic mineral product manufacturing	8 413	329 100	6 640	14 612	234 399	1 075 325	863 294	1 955 760	85 469	2	2	6
3271	Clay product and refractory manufacturing	1 577	55 197	1 358	2 917	43 129	163 307	102 972	265 675	14 456	1	3	21
3273	Cement and concrete product manufacturing	4 094	159 759	3 147	7 202	111 126	526 477	469 573	1 007 942	51 692	3	3	3
3279	Other nonmetallic mineral product manufacturing	1 499	56 537	1 160	2 308	39 648	184 088	152 319	339 513	12 062	2	3	26
331	Primary metal manufacturing .	16 778	759 326	13 327	28 482	550 876	1 833 389	3 583 942	5 482 707	136 373	3	2	3
3311	Iron and steel mills and ferroalloy manufacturing ..	4 475	261 771	3 423	7 486	191 482	728 815	1 746 649	2 508 515	41 807	1	2	7
3313	Alumina and aluminum production and processing	1 959	83 953	1 581	3 347	61 645	194 608	785 723	977 328	17 752	3	2	6
3314	Nonferrous metal (except aluminum) production and processing	2 117	74 551	1 753	3 744	54 923	209 012	286 702	495 836	6 202	4	8	9
3315	Foundries	7 665	319 267	6 081	12 938	224 719	654 608	644 985	1 326 045	68 187	6	2	5
332	Fabricated metal product manufacturing	23 984	824 280	17 604	34 511	522 403	1 996 769	1 823 623	3 816 868	91 185	2	2	8
3321	Forging and stamping.....	2 134	72 287	1 581	3 259	40 790	148 463	164 072	311 282	6 337	1	1	14
3323	Architectural and structural metals manufacturing.....	8 749	288 952	6 080	11 509	172 586	731 798	737 167	1 471 284	31 087	4	5	16
3324	Boiler, tank, and shipping container manufacturing ..	1 308	50 171	967	2 337	36 193	114 731	148 935	266 103	4 849	3	3	6
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	4 403	156 727	3 148	6 125	97 478	345 613	212 541	551 599	10 299	3	2	35
3328	Coating, engraving, heat treating, and allied activities	1 146	36 878	936	1 486	25 755	65 722	57 789	124 794	3 494	6	19	40
3329	Other fabricated metal product manufacturing	4 616	164 560	3 555	7 116	110 070	443 463	388 666	829 855	32 835	2	4	11
333	Machinery manufacturing	11 774	449 209	8 832	17 951	264 011	728 240	1 941 028	2 737 440	38 596	4	5	7
3331	Agriculture, construction, and mining machinery manufacturing	1 931	81 554	1 287	2 878	46 646	131 945	301 476	435 931	8 056	1	9	26
3333	Commercial and service industry machinery manufacturing	1 469	48 418	989	1 848	21 296	87 257	79 389	167 506	2 309	2	12	26
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	2 079	61 697	1 733	3 352	41 401	151 657	248 638	401 399	2 961	6	4	23
3335	Metalworking machinery manufacturing	1 591	57 678	1 127	2 138	36 030	108 143	48 215	158 253	2 246	3	3	34
3336	Engine, turbine, and power transmission equipment manufacturing	1 223	46 646	990	1 897	33 209	S	953 074	908 414	14 744	1	S	1
3339	Other general purpose machinery manufacturing .	2 643	118 940	2 103	4 653	66 089	268 266	244 760	525 126	6 695	13	12	16
334	Computer and electronic product manufacturing	12 096	538 963	7 577	15 836	237 044	1 494 171	2 062 215	3 534 532	93 338	6	2	4
3342	Communications equipment manufacturing	3 514	197 701	2 097	4 080	66 133	377 630	556 722	936 080	27 288	1	2	8
3344	Semiconductor and other electronic component manufacturing	g	D	D	D	D	D	D	D	12 541	S	S	27
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2 626	109 793	1 301	2 489	37 579	324 746	204 313	523 818	10 419	1	1	9
3346	Manufacturing and reproducing magnetic and optical media	3 444	117 440	2 836	6 535	88 507	390 637	273 760	664 061	41 843	1	1	1

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
ALABAMA—Con.													
31-33	Manufacturing—Con.												
335	Electrical equipment, appliance, and component manufacturing	6 359	222 442	5 114	10 297	154 080	913 882	984 649	1 886 599	35 077	6	2	21
3352	Household appliance manufacturing	h	D	D	D	D	D	D	D	8 567	S	S	1
3353	Electrical equipment manufacturing	979	38 912	522	966	17 872	105 453	89 608	193 799	1 028	1	1	1
3359	Other electrical equipment and component manufacturing	2 244	84 330	1 842	3 666	56 593	306 145	378 919	676 746	24 202	17	5	30
336	Transportation equipment manufacturing	29 247	1 346 844	22 901	46 191	944 247	4 441 599	7 180 872	11 663 649	1 075 212	1	1	5
3361	Motor vehicle manufacturing	5 231	317 031	4 078	8 094	190 148	1 915 009	3 886 255	5 819 934	D	1	1	S
3362	Motor vehicle body and trailer manufacturing	3 221	105 392	2 479	4 894	70 482	265 155	482 830	721 336	D	1	1	S
3363	Motor vehicle parts manufacturing	11 111	537 543	8 843	17 882	394 458	1 420 526	2 219 406	3 621 115	117 329	1	2	42
3364	Aerospace product and parts manufacturing	6 548	277 922	4 924	10 663	207 499	656 931	260 801	985 667	D	1	1	S
3366	Ship and boat building	2 701	93 187	2 271	4 123	71 413	129 206	199 253	328 459	D	3	5	S
337	Furniture and related product manufacturing	12 131	340 547	10 045	18 848	239 742	909 732	757 302	1 676 751	33 566	2	5	9
3371	Household and institutional furniture and kitchen cabinet manufacturing	8 841	234 811	7 344	13 903	165 294	605 656	480 548	1 080 952	24 386	1	3	9
3372	Office furniture (including fixtures) manufacturing	2 836	89 106	2 364	4 352	63 514	253 811	228 292	496 593	7 088	5	18	18
339	Miscellaneous manufacturing	7 818	246 330	5 563	11 319	143 845	573 461	461 903	1 044 448	27 777	2	3	13
3391	Medical equipment and supplies manufacturing	2 447	73 428	1 818	3 589	46 601	225 280	134 582	361 937	9 417	4	4	37
3399	Other miscellaneous manufacturing	5 371	172 902	3 745	7 729	97 245	348 181	327 321	682 511	18 360	2	3	2
ALASKA													
31-33	Manufacturing	11 357	370 768	9 668	21 153	275 890	1 413 087	2 971 562	4 371 112	73 400	4	5	21
311	Food manufacturing	7 827	214 838	6 985	15 882	171 838	566 792	923 153	1 489 477	28 620	5	5	16
3117	Seafood product preparation and packaging	7 425	198 309	6 737	15 460	162 580	529 648	882 147	1 411 782	28 085	6	5	16
ARIZONA													
31-33	Manufacturing	161 235	7 120 016	101 000	205 891	3 366 913	29 016 543	16 162 658	44 899 670	912 181	1	1	5
311	Food manufacturing	9 890	297 634	7 516	15 890	196 701	1 590 807	1 628 016	3 185 682	90 942	6	2	3
3115	Dairy product manufacturing	1 207	55 288	726	2 056	31 798	580 156	465 101	1 043 910	42 113	1	1	1
3116	Animal slaughtering and processing	1 592	42 011	1 372	3 038	32 105	93 030	448 686	538 233	2 686	1	2	28
3118	Bakeries and tortilla manufacturing	4 129	101 239	3 051	6 497	63 468	279 258	171 442	423 362	19 082	14	13	7
3119	Other food manufacturing	1 881	58 629	1 550	2 791	42 211	355 308	300 882	656 036	14 523	4	3	9
312	Beverage and tobacco product manufacturing	1 521	67 431	577	1 222	17 001	332 170	430 152	759 416	62 892	5	7	62
3121	Beverage manufacturing	1 489	66 338	553	1 177	16 306	318 936	428 682	744 716	62 892	5	8	62
314	Textile product mills	1 402	33 904	989	1 813	17 061	86 143	75 915	162 307	936	8	8	14
3149	Other textile product mills	1 150	27 412	778	1 495	13 528	63 940	61 761	126 703	711	10	9	18
321	Wood product manufacturing	8 056	227 674	6 085	12 058	136 025	483 923	536 826	1 015 464	17 122	3	12	19
3212	Veneer, plywood, and engineered wood product manufacturing	2 390	65 458	1 924	4 051	43 475	113 457	134 872	248 348	6 224	2	2	20
3219	Other wood product manufacturing	5 592	159 932	4 095	7 888	90 774	368 557	390 245	753 613	9 187	4	15	29
322	Paper manufacturing	3 077	122 547	2 464	5 259	84 606	358 622	454 986	812 510	30 796	4	1	18
3222	Converted paper product manufacturing	g	D	D	D	D	D	D	D	D	S	S	S
323	Printing and related support activities	6 477	215 986	4 569	8 166	132 751	476 718	210 394	686 026	47 607	4	6	38
3231	Printing and related support activities	6 477	215 986	4 569	8 166	132 751	476 718	210 394	686 026	47 607	4	6	38

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
	ARIZONA—Con.												
31-33	Manufacturing—Con.												
325	Chemical manufacturing	3 995	190 028	2 328	4 208	88 955	746 382	418 418	1 192 878	23 847	3	7	14
3254	Pharmaceutical and medicine manufacturing . . .	1 500	86 893	785	1 303	35 719	410 259	129 865	570 541	12 213	5	10	11
3259	Other chemical product and preparation manufacturing	990	43 040	578	1 194	22 186	124 545	91 734	213 107	1 856	1	1	21
326	Plastics and rubber products manufacturing	7 526	253 713	5 640	11 458	156 940	602 924	557 687	1 155 462	20 523	9	17	12
3261	Plastics product manufacturing	7 039	236 697	5 277	10 746	146 573	579 482	526 761	1 101 437	19 581	10	18	12
327	Nonmetallic mineral product manufacturing	6 898	252 430	5 289	11 082	175 584	804 158	670 242	1 468 964	31 945	2	2	11
3273	Cement and concrete product manufacturing	4 769	177 948	3 664	7 632	125 982	616 440	531 112	1 145 518	25 193	2	2	12
331	Primary metal manufacturing .	3 692	139 893	2 842	6 608	93 833	557 522	478 321	1 041 641	16 585	9	5	4
3313	Alumina and aluminum production and processing	1 395	54 865	1 071	2 725	36 461	95 833	121 016	243 536	5 741	25	29	6
332	Fabricated metal product manufacturing	16 046	638 399	11 928	23 598	380 518	1 586 475	1 167 963	2 783 247	52 491	4	4	13
3323	Architectural and structural metals manufacturing	6 707	215 360	4 720	9 481	128 293	461 493	434 287	896 973	16 294	2	3	17
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing . . .	3 511	161 177	3 015	5 568	98 974	274 220	139 127	416 579	7 294	11	18	17
3328	Coating, engraving, heat treating, and allied activities	1 146	34 181	896	1 938	25 509	69 586	25 402	96 253	10 721	18	24	52
3329	Other fabricated metal product manufacturing	2 525	144 655	1 564	3 006	70 808	570 033	356 660	929 644	10 860	20	3	2
333	Machinery manufacturing	7 861	325 109	4 967	10 305	164 189	815 488	784 609	1 620 589	54 830	6	4	18
3331	Agriculture, construction, and mining machinery manufacturing	1 354	47 406	959	1 924	27 207	108 285	193 084	312 841	4 069	1	2	13
3332	Industrial machinery manufacturing	2 319	108 179	1 256	2 640	44 600	251 519	306 571	571 236	21 974	4	5	11
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	1 554	49 209	1 118	2 262	27 634	163 747	126 385	292 308	4 369	1	1	25
3335	Metalworking machinery manufacturing	1 286	54 903	911	1 844	37 027	107 427	60 248	165 834	2 627	3	5	18
334	Computer and electronic product manufacturing	30 926	1 705 823	15 061	31 677	583 451	12 901 127	2 968 181	15 766 166	230 701	1	1	2
3342	Communications equipment manufacturing	1 360	65 954	738	1 494	26 855	120 110	121 783	246 078	8 651	8	12	32
3344	Semiconductor and other electronic component manufacturing	18 414	964 560	10 205	21 879	402 979	11 308 662	1 909 531	13 145 071	178 498	2	1	2
3345	Navigational, measuring, electromedical, and control instruments manufacturing	9 348	587 778	3 116	6 051	115 806	1 026 793	745 830	1 763 678	32 464	2	8	10
335	Electrical equipment, appliance, and component manufacturing	2 640	111 790	1 657	3 253	45 793	362 672	306 376	672 737	6 751	1	1	4
3359	Other electrical equipment and component manufacturing	1 372	61 852	856	1 610	24 289	192 220	219 887	413 306	4 945	1	1	2
336	Transportation equipment manufacturing	31 648	1 863 616	14 093	29 879	730 468	5 614 846	4 210 327	9 631 809	182 306	1	1	1
3362	Motor vehicle body and trailer manufacturing	1 084	33 660	922	1 999	24 830	88 741	86 936	176 919	3 002	11	11	54
3363	Motor vehicle parts manufacturing	3 303	123 525	2 184	4 397	66 118	346 606	389 503	732 086	13 473	1	3	2
3364	Aerospace product and parts manufacturing	26 650	1 685 621	10 455	22 505	624 723	5 132 376	3 666 790	8 607 624	162 029	1	1	1
337	Furniture and related product manufacturing	7 626	237 622	6 976	13 786	158 160	506 729	507 610	1 005 898	10 057	12	7	13
3371	Household and institutional furniture and kitchen cabinet manufacturing	6 233	182 232	5 712	11 362	122 802	379 803	397 166	779 101	6 555	13	8	13

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	ARIZONA—Con.																
31-33	Manufacturing—Con.																
339	Miscellaneous manufacturing	9 883	378 067	6 296	12 208	161 882	1 020 705	476 068	1 489 968	26 917	8	5	9				
3391	Medical equipment and supplies manufacturing	3 668	168 870	2 095	4 012	61 007	554 234	124 624	664 350	11 834	3	5	7				
3399	Other miscellaneous manufacturing	6 216	209 196	4 201	8 196	100 875	466 471	351 444	825 619	15 083	12	9	15				
	ARKANSAS																
31-33	Manufacturing	192 952	6 119 863	154 465	314 755	4 378 519	22 729 668	24 775 041	47 560 317	1 117 127	1	1	3				
311	Food manufacturing	50 084	1 202 721	43 480	85 074	948 108	6 510 705	5 726 355	12 244 218	205 299	1	1	12				
3112	Grain and oilseed milling	2 162	68 272	1 738	3 594	48 866	375 759	723 860	1 092 822	40 718	1	1	1				
3114	Fruit and vegetable preserving and specialty food manufacturing	4 201	117 678	3 758	7 942	97 011	928 635	593 246	1 521 619	27 422	1	1	1				
3116	Animal slaughtering and processing	36 138	796 582	32 135	61 970	656 010	4 329 215	2 947 530	7 291 149	107 174	1	1	22				
3118	Bakeries and tortilla manufacturing	2 858	84 409	1 936	3 942	49 723	233 767	165 511	399 694	11 047	25	24	45				
3119	Other food manufacturing	2 763	73 206	2 475	4 810	59 155	296 717	312 399	609 687	9 699	1	1	1				
314	Textile product mills	1 121	38 033	887	1 787	29 461	105 915	106 904	215 647	5 571	12	5	4				
315	Apparel manufacturing	2 348	50 043	2 053	3 994	41 357	206 115	141 494	347 756	5 195	5	12	43				
3151	Apparel knitting mills	g	D	D	D	D	D	D	D	2 297	S	S	33				
316	Leather and allied product manufacturing	2 067	38 954	1 904	3 612	31 573	48 843	72 786	124 316	1 117	11	30	10				
3162	Footwear manufacturing	1 757	33 317	1 650	3 203	28 032	33 506	65 844	102 007	957	13	44	7				
321	Wood product manufacturing	12 421	380 507	10 455	23 226	303 720	947 003	1 772 286	2 724 304	77 487	2	2	9				
3211	Sawmills and wood preservation	5 268	175 717	4 583	10 323	142 708	407 118	984 641	1 396 020	51 946	1	3	14				
3212	Veneer, plywood, and engineered wood product manufacturing	3 341	116 154	2 946	6 573	93 909	295 920	474 767	771 957	18 067	1	1	2				
3219	Other wood product manufacturing	3 813	88 635	2 925	6 331	67 103	243 966	312 878	556 327	7 474	8	7	10				
322	Paper manufacturing	10 338	485 848	8 538	18 268	368 023	1 599 017	1 828 209	3 410 391	112 640	1	1	4				
3221	Pulp, paper, and paperboard mills	4 778	284 524	3 941	8 583	219 663	994 844	1 108 049	2 107 581	80 182	1	1	4				
3222	Converted paper product manufacturing	5 559	201 324	4 596	9 685	148 360	604 173	720 160	1 302 811	32 458	1	1	6				
323	Printing and related support activities	3 570	123 343	2 765	4 692	81 096	235 920	215 822	445 768	42 413	8	13	19				
3231	Printing and related support activities	3 570	123 343	2 765	4 692	81 096	235 920	215 822	445 768	42 413	8	13	19				
325	Chemical manufacturing	5 991	274 522	4 255	8 311	166 385	1 201 230	1 341 572	2 562 579	82 386	1	6	9				
3251	Basic chemical manufacturing	1 989	107 677	1 269	2 369	65 679	423 802	406 729	841 358	25 076	1	1	1				
3256	Soap, cleaning compound, and toilet preparation manufacturing	2 179	90 119	1 712	2 861	55 330	393 060	358 753	749 591	32 176	1	1	1				
326	Plastics and rubber products manufacturing	14 111	491 448	11 488	23 150	356 654	1 707 721	1 538 043	3 257 448	72 989	2	1	10				
3261	Plastics product manufacturing	8 303	251 193	6 899	14 281	179 095	988 283	989 575	1 984 055	53 000	4	2	14				
3262	Rubber product manufacturing	5 808	240 256	4 589	8 869	177 558	719 438	548 468	1 273 393	19 990	1	1	3				
327	Nonmetallic mineral product manufacturing	3 768	132 693	3 037	6 549	96 745	370 430	381 058	751 749	32 390	7	11	21				
3273	Cement and concrete product manufacturing	1 928	69 995	1 474	3 391	53 117	213 734	132 421	351 761	21 940	12	9	30				
331	Primary metal manufacturing	8 052	353 782	6 617	14 676	280 159	1 233 237	2 210 805	3 450 487	77 700	4	2	3				
3311	Iron and steel mills and ferroalloy manufacturing	2 431	149 046	1 963	4 383	122 424	622 276	1 155 064	1 778 284	20 679	2	1	2				
3312	Steel product manufacturing from purchased steel	1 872	75 560	1 568	3 527	61 202	150 574	334 000	497 710	28 278	16	13	1				
3313	Alumina and aluminum production and processing	1 685	65 285	1 342	3 069	46 139	217 374	456 465	660 331	15 196	3	6	1				
3315	Foundries	1 395	41 777	1 177	2 418	32 935	90 853	114 620	209 108	D	12	17	S				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
ARKANSAS—Con.													
31-33	Manufacturing—Con.												
332	Fabricated metal product manufacturing	15 858	570 109	11 248	23 939	357 848	1 809 761	1 337 768	3 163 069	63 112	9	2	7
3322	Cutlery and handtool manufacturing	1 153	32 312	975	1 963	24 881	101 365	53 929	155 923	D	4	1	S
3323	Architectural and structural metals manufacturing	5 188	186 522	3 049	6 325	89 748	444 609	374 844	843 597	16 281	3	4	11
3324	Boiler, tank, and shipping container manufacturing ..	1 395	51 956	1 166	2 425	39 542	131 120	184 456	318 760	3 085	1	1	1
3329	Other fabricated metal product manufacturing	5 102	170 120	4 037	7 055	115 582	872 488	468 897	1 327 506	26 157	3	1	3
333	Machinery manufacturing	15 057	468 417	10 863	21 433	284 113	1 514 470	1 650 834	3 113 513	47 666	1	1	8
3331	Agriculture, construction, and mining machinery manufacturing	2 798	64 610	2 423	4 387	45 198	287 961	406 862	657 027	9 707	1	1	15
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing ..	5 151	160 802	3 446	7 675	103 671	642 627	547 532	1 180 925	15 809	3	1	8
3335	Metalworking machinery manufacturing	1 407	56 054	949	1 812	33 152	111 360	64 930	178 597	8 129	6	11	34
3339	Other general purpose machinery manufacturing ..	3 845	116 828	2 878	5 100	70 054	277 733	348 546	622 145	10 755	2	4	15
334	Computer and electronic product manufacturing	5 277	173 553	4 149	9 643	123 405	503 079	732 832	1 285 310	48 166	7	7	28
3343	Audio and video equipment manufacturing	1 475	45 986	1 123	2 105	25 397	86 713	509 442	629 049	9 167	2	3	8
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2 257	75 915	1 968	3 853	58 397	250 450	135 774	404 144	10 506	1	6	9
335	Electrical equipment, appliance, and component manufacturing	13 694	446 620	11 226	23 452	337 947	1 819 293	1 439 736	3 236 538	62 336	1	1	4
3352	Household appliance manufacturing	h	D	D	D	D	D	D	D	D	S	S	S
3353	Electrical equipment manufacturing	5 544	173 525	4 630	8 974	130 009	752 297	426 277	1 155 342	14 273	1	1	4
3359	Other electrical equipment and component manufacturing	2 992	92 702	2 239	4 921	64 659	344 777	316 863	662 317	21 081	1	3	13
336	Transportation equipment manufacturing	15 289	475 082	11 946	23 656	328 359	1 139 726	2 085 673	3 259 652	88 771	1	2	14
3361	Motor vehicle manufacturing	g	D	D	D	D	D	D	D	D	S	S	S
3362	Motor vehicle body and trailer manufacturing	1 353	33 647	1 179	2 254	26 358	118 375	107 336	226 710	5 459	4	16	25
3363	Motor vehicle parts manufacturing	6 603	192 233	5 248	11 137	134 278	488 283	510 784	999 915	68 314	2	1	18
3364	Aerospace product and parts manufacturing	4 138	154 403	2 798	5 696	99 984	249 994	990 838	1 296 009	D	1	1	S
3366	Ship and boat building	1 242	35 787	1 069	2 124	26 114	93 839	130 032	223 871	1 199	11	7	1
337	Furniture and related product manufacturing	6 859	194 493	5 343	10 658	140 490	470 245	444 686	924 720	11 122	4	5	18
3371	Household and institutional furniture and kitchen cabinet manufacturing	4 597	128 067	3 571	7 175	94 435	289 346	293 248	588 989	5 174	6	6	26
3372	Office furniture (including fixtures) manufacturing	2 164	64 863	1 718	3 395	45 253	177 844	146 152	326 353	5 845	7	9	26
339	Miscellaneous manufacturing ..	5 294	155 161	3 289	6 814	73 717	404 655	324 637	724 524	14 191	10	3	36
3391	Medical equipment and supplies manufacturing	1 285	44 651	729	1 433	21 146	110 285	58 904	169 506	536	1	1	1
3399	Other miscellaneous manufacturing	4 009	110 510	2 560	5 381	52 571	294 370	265 733	555 018	13 655	13	4	37

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
CALIFORNIA													
31-33	Manufacturing	1 523 323	64 840 184	978 081	1 948 544	30 194 711	197 547 397	182 988 068	378 468 454	12 303 950	1	1	3
311	Food manufacturing	161 845	5 221 091	119 877	240 140	3 365 248	22 048 563	25 692 559	47 819 650	1 421 140	1	1	2
3111	Animal food manufacturing .	4 179	193 771	2 732	6 268	112 640	892 204	2 066 654	2 942 986	42 432	3	6	5
3112	Grain and oilseed milling ...	3 944	184 597	2 921	6 996	120 309	1 368 228	1 738 428	3 079 700	39 444	1	1	11
3113	Sugar and confectionery product manufacturing	9 523	356 364	7 279	14 614	244 461	1 279 879	1 350 489	2 698 836	184 830	1	2	5
3114	Fruit and vegetable preserving and specialty food manufacturing	37 470	1 147 638	31 000	59 894	837 863	5 555 299	5 163 277	10 655 066	309 555	2	2	4
3115	Dairy product manufacturing	14 667	622 185	9 987	21 269	387 611	2 428 400	6 683 203	9 185 063	367 241	4	2	4
3116	Animal slaughtering and processing	21 427	550 797	18 100	37 727	404 452	1 844 765	2 862 134	4 697 057	73 104	1	1	9
3117	Seafood product preparation and packaging	3 124	83 890	2 594	4 726	53 788	426 602	405 755	831 705	10 847	4	3	26
3118	Bakeries and tortilla manufacturing	41 864	1 222 119	25 692	48 707	669 227	3 440 179	1 926 122	5 361 331	199 881	2	3	11
3119	Other food manufacturing ..	25 648	859 729	19 572	39 938	534 897	4 813 009	3 496 497	8 367 904	193 805	4	3	6
312	Beverage and tobacco product manufacturing	29 186	1 317 232	14 458	28 859	529 423	8 079 639	6 870 809	14 919 383	630 905	3	1	6
3121	Beverage manufacturing ...	29 161	1 316 319	14 438	28 821	528 842	8 068 493	6 869 556	14 906 984	630 892	3	1	6
313	Textile mills	12 118	331 653	10 002	20 548	247 230	855 228	810 646	1 631 948	33 225	6	7	39
3132	Fabric mills	4 504	114 822	3 843	7 526	86 158	258 472	299 378	556 256	8 353	1	2	24
3133	Textile and fabric finishing and fabric coating mills....	6 833	197 605	5 446	11 647	144 981	562 807	420 832	950 162	24 281	10	11	53
314	Textile product mills	14 834	395 076	11 627	24 479	252 780	975 209	1 162 783	2 121 597	15 696	4	3	12
3141	Textile furnishings mills	7 914	221 205	6 175	13 777	145 682	593 672	877 883	1 459 636	8 843	5	4	6
3149	Other textile product mills ..	6 920	173 872	5 452	10 702	107 098	381 538	284 900	661 962	6 853	6	3	26
315	Apparel manufacturing	90 484	2 023 891	71 547	129 615	1 227 516	5 848 672	6 644 422	12 455 818	95 770	2	1	8
3151	Apparel knitting mills	2 315	55 709	1 853	3 741	38 355	150 010	163 332	322 960	2 779	8	6	29
3152	Cut and sew apparel manufacturing	82 888	1 823 949	66 001	118 789	1 114 764	5 408 111	6 178 170	11 529 860	87 328	2	2	9
3159	Apparel accessories and other apparel manufacturing	5 280	144 233	3 694	7 085	74 398	290 550	302 920	602 998	5 663	4	2	9
316	Leather and allied product manufacturing	5 045	139 378	3 752	6 757	72 703	398 962	320 073	725 371	6 869	3	2	26
3162	Footwear manufacturing ...	1 644	43 098	1 204	2 046	22 297	143 901	118 794	263 274	3 290	8	4	52
3169	Other leather and allied product manufacturing	3 193	89 962	2 361	4 377	45 380	245 732	186 633	438 178	3 443	3	3	13
321	Wood product manufacturing .	38 042	1 121 848	30 680	63 708	802 264	2 483 178	3 481 605	5 977 545	85 114	5	6	7
3211	Sawmills and wood preservation	5 520	208 739	4 659	9 925	162 831	483 049	942 211	1 427 787	27 582	1	2	13
3212	Veneer, plywood, and engineered wood product manufacturing	6 601	216 348	5 247	11 909	144 455	442 892	585 620	1 026 476	21 292	4	6	19
3219	Other wood product manufacturing	25 920	696 761	20 774	41 874	494 977	1 557 237	1 953 774	3 523 282	36 240	7	9	6
322	Paper manufacturing	26 236	1 079 802	20 054	42 421	726 483	2 967 212	4 473 413	7 569 288	201 227	2	3	12
3221	Pulp, paper, and paperboard mills	1 773	97 610	1 350	2 926	70 334	468 244	362 270	846 253	94 662	18	17	21
3222	Converted paper product manufacturing	24 463	982 192	18 704	39 495	656 149	2 498 968	4 111 142	6 723 035	106 565	1	1	13
323	Printing and related support activities	71 974	2 721 868	50 515	97 237	1 636 082	6 287 417	3 854 853	10 166 831	312 247	2	2	9
3231	Printing and related support activities	71 974	2 721 868	50 515	97 237	1 636 082	6 287 417	3 854 853	10 166 831	312 247	2	2	9
324	Petroleum and coal products manufacturing	11 252	768 825	7 232	16 098	461 686	5 752 288	20 799 444	26 299 817	1 037 274	2	1	1
3241	Petroleum and coal products manufacturing ...	11 252	768 825	7 232	16 098	461 686	5 752 288	20 799 444	26 299 817	1 037 274	2	1	1

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —			
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
														A
	CALIFORNIA—Con.													
31-33	Manufacturing—Con.													
325	Chemical manufacturing	73 943	3 828 064	39 542	72 880	1 494 020	18 347 335	9 074 274	26 925 027	1 433 699	4	9	24	
3251	Basic chemical manufacturing	4 819	272 192	2 533	4 468	123 158	1 412 697	944 943	2 359 350	110 729	7	3	46	
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	2 822	133 932	1 968	3 623	82 029	425 356	828 445	1 233 407	48 919	3	11	36	
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	1 992	76 345	1 274	2 723	43 779	317 407	324 779	647 775	5 971	1	2	9	
3254	Pharmaceutical and medicine manufacturing	38 579	2 213 703	17 321	29 698	691 570	11 340 418	3 252 670	14 157 171	1 073 488	7	15	31	
3255	Paint, coating, and adhesive manufacturing	6 887	321 312	4 441	7 799	175 342	1 363 641	1 327 250	2 718 908	56 403	5	6	5	
3256	Soap, cleaning compound, and toilet preparation manufacturing	10 870	475 288	6 744	14 573	202 396	2 360 751	1 354 116	3 629 662	77 971	4	5	37	
3259	Other chemical product and preparation manufacturing	7 974	335 292	5 261	9 997	175 746	1 127 066	1 042 070	2 178 754	60 218	3	4	16	
326	Plastics and rubber products manufacturing	91 477	2 803 881	72 144	137 176	1 741 522	8 002 825	7 003 444	14 986 639	584 183	8	4	9	
3261	Plastics product manufacturing	82 195	2 499 334	65 478	123 986	1 571 612	7 239 946	6 437 294	13 671 632	561 079	9	5	9	
3262	Rubber product manufacturing	9 282	304 547	6 665	13 190	169 910	762 879	566 150	1 315 007	23 103	6	11	22	
327	Nonmetallic mineral product manufacturing	43 686	1 772 928	33 838	74 068	1 251 079	5 125 082	4 567 144	9 717 104	358 366	3	3	4	
3271	Clay product and refractory manufacturing	4 596	156 044	3 417	6 939	98 204	401 421	177 115	569 431	25 042	4	3	15	
3272	Glass and glass product manufacturing	8 754	356 591	7 151	14 905	275 078	975 576	778 618	1 790 022	93 677	15	11	5	
3273	Cement and concrete product manufacturing	21 833	919 173	16 909	38 034	655 107	2 793 510	2 743 978	5 523 834	178 029	3	3	7	
3274	Lime and gypsum product manufacturing	2 120	100 378	1 632	4 392	63 220	266 283	320 298	591 456	8 269	3	5	16	
3279	Other nonmetallic mineral product manufacturing	6 383	240 741	4 728	9 799	159 470	688 292	547 135	1 242 361	53 349	4	3	11	
331	Primary metal manufacturing	22 146	813 881	17 970	38 196	581 743	2 448 655	2 838 599	5 276 504	92 846	10	4	7	
3311	Iron and steel mills and ferroalloy manufacturing	2 536	142 312	1 920	4 134	102 260	917 661	647 512	1 569 269	D	1	1	S	
3312	Steel product manufacturing from purchased steel	2 961	113 111	2 376	4 790	81 792	163 619	636 259	801 762	23 599	4	11	15	
3313	Alumina and aluminum production and processing	4 082	152 288	3 229	6 531	107 125	361 928	724 344	1 071 097	19 222	4	2	8	
3314	Nonferrous metal (except aluminum) production and processing	2 094	85 014	1 565	3 480	52 685	320 201	320 961	627 266	D	6	1	S	
3315	Foundries	10 474	321 155	8 879	19 260	237 881	685 247	509 523	1 207 111	17 062	22	12	25	
332	Fabricated metal product manufacturing	146 609	5 652 529	109 332	225 884	3 555 007	13 016 458	8 913 508	21 883 855	584 986	1	2	7	
3321	Forging and stamping	9 732	405 953	7 376	15 046	245 279	824 804	920 104	1 756 491	39 776	4	3	9	
3322	Cutlery and handtool manufacturing	5 341	207 006	3 735	7 031	102 685	522 454	300 161	823 060	24 508	5	3	13	
3323	Architectural and structural metals manufacturing	38 852	1 359 652	29 289	61 241	860 604	3 161 734	2 652 490	5 803 616	107 640	3	4	15	
3324	Boiler, tank, and shipping container manufacturing	6 333	287 077	4 969	10 725	203 588	880 932	1 121 730	1 998 667	35 539	1	3	3	
3325	Hardware manufacturing	4 319	173 965	2 991	4 905	86 132	458 711	208 224	663 113	29 175	4	10	49	
3326	Spring and wire product manufacturing	3 973	134 371	2 932	6 497	79 915	323 565	281 664	606 360	15 714	6	5	39	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	39 685	1 674 874	30 234	66 049	1 152 562	3 445 666	1 461 500	4 846 793	199 203	3	5	14	
3328	Coating, engraving, heat treating, and allied activities	17 174	544 501	13 547	26 099	360 995	1 331 401	455 163	1 792 462	38 442	3	3	15	
3329	Other fabricated metal product manufacturing	21 200	865 129	14 261	28 291	463 247	2 067 190	1 512 473	3 593 293	94 989	4	3	13	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
		A	B	C	D	E					F	G	H	I
	CALIFORNIA—Con.													
31-33	Manufacturing—Con.													
333	Machinery manufacturing	86 568	4 248 452	47 126	91 730	1 696 321	9 015 386	8 068 786	17 214 894	412 587	1	2	3	
3331	Agriculture, construction, and mining machinery manufacturing	3 606	142 273	2 524	5 114	73 051	330 837	327 380	619 348	9 941	11	11	28	
3332	Industrial machinery manufacturing	25 815	1 482 680	9 895	15 857	398 206	2 518 214	2 554 075	5 200 184	202 476	2	3	2	
3333	Commercial and service industry machinery manufacturing	14 431	701 823	8 445	17 444	309 412	1 886 119	1 549 674	3 433 044	54 553	4	5	12	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	7 187	280 181	4 991	10 526	155 261	760 211	535 301	1 281 269	12 060	3	3	9	
3335	Metalworking machinery manufacturing	11 128	504 067	7 397	15 828	288 532	907 011	541 655	1 445 972	27 745	3	2	14	
3336	Engine, turbine, and power transmission equipment manufacturing	5 809	348 798	3 168	6 829	143 220	798 757	1 070 008	1 951 847	38 978	1	1	1	
3339	Other general purpose machinery manufacturing	18 591	788 630	10 706	20 131	328 638	1 814 237	1 490 692	3 283 229	66 834	3	3	10	
334	Computer and electronic product manufacturing	272 573	16 290 111	109 396	221 024	4 001 289	46 870 139	36 905 319	82 493 008	3 301 667	1	1	5	
3341	Computer and peripheral equipment manufacturing	47 946	3 169 635	9 323	17 896	345 170	7 838 017	10 723 439	18 688 266	772 243	1	2	2	
3342	Communications equipment manufacturing	47 073	3 131 369	13 681	24 687	529 357	12 302 214	9 858 736	21 743 453	551 885	5	2	7	
3343	Audio and video equipment manufacturing	4 753	196 243	2 979	6 063	77 449	594 570	421 914	1 022 029	9 661	2	1	7	
3344	Semiconductor and other electronic component manufacturing	85 180	4 107 270	51 752	105 103	1 703 206	11 114 267	8 108 360	19 086 679	963 721	2	1	4	
3345	Navigational, measuring, electromedical, and control instruments manufacturing	78 846	5 310 765	25 085	50 849	1 098 235	14 101 717	7 001 329	20 245 920	922 536	1	1	17	
3346	Manufacturing and reproducing magnetic and optical media	8 775	374 829	6 576	16 426	247 872	919 353	791 542	1 706 661	81 620	3	5	13	
335	Electrical equipment, appliance, and component manufacturing	32 202	1 357 028	21 158	44 365	652 265	3 292 697	2 782 692	6 089 728	320 890	6	3	2	
3351	Electric lighting equipment manufacturing	8 010	287 473	5 813	12 143	160 892	702 929	569 888	1 275 365	28 360	8	11	12	
3353	Electrical equipment manufacturing	9 087	380 132	5 541	11 940	170 533	842 715	624 773	1 472 138	20 872	3	2	13	
3359	Other electrical equipment and component manufacturing	14 468	667 590	9 342	19 392	307 677	1 684 394	1 529 535	3 220 436	269 771	12	3	2	
336	Transportation equipment manufacturing	122 960	6 756 221	72 603	146 496	2 994 770	17 545 426	18 817 428	36 162 998	716 207	1	1	8	
3361	Motor vehicle manufacturing	6 877	474 978	5 937	14 358	406 547	1 941 877	5 128 692	7 068 062	43 450	1	1	2	
3362	Motor vehicle body and trailer manufacturing	10 116	295 698	8 553	16 818	213 493	571 883	1 207 746	1 810 848	24 256	4	9	25	
3363	Motor vehicle parts manufacturing	26 337	942 251	20 072	39 523	603 306	2 443 892	2 451 902	4 902 842	177 213	3	3	29	
3364	Aerospace product and parts manufacturing	64 557	4 460 162	26 661	53 240	1 403 661	11 421 796	8 734 375	19 855 341	413 363	1	1	1	
3366	Ship and boat building	9 154	330 945	7 156	15 286	245 570	681 122	787 717	1 468 839	D	5	5	S	
3369	Other transportation equipment manufacturing	5 379	217 109	3 844	6 240	100 684	525 161	389 160	906 329	33 344	5	8	52	
337	Furniture and related product manufacturing	62 282	1 813 801	47 831	95 825	1 168 560	4 475 471	3 180 794	7 627 889	97 961	2	2	7	
3371	Household and institutional furniture and kitchen cabinet manufacturing	42 036	1 157 467	33 303	66 652	776 630	2 569 353	1 858 175	4 422 581	62 900	2	4	9	
3372	Office furniture (including fixtures) manufacturing	13 524	459 655	9 682	20 199	272 927	1 186 607	727 312	1 896 002	21 033	3	3	17	
3379	Other furniture related product manufacturing	6 722	196 679	4 846	8 975	119 003	719 512	595 308	1 309 306	14 028	4	2	13	
339	Miscellaneous manufacturing	107 862	4 382 625	67 398	131 035	1 736 721	13 711 554	6 725 473	20 403 559	561 093	2	2	7	
3391	Medical equipment and supplies manufacturing	54 496	2 629 115	31 312	61 923	852 727	8 537 725	3 283 924	11 835 323	361 306	4	3	10	
3399	Other miscellaneous manufacturing	53 366	1 753 509	36 086	69 111	883 994	5 173 830	3 441 549	8 568 235	199 787	2	2	7	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	COLORADO																
31-33	Manufacturing	141 943	6 337 722	90 368	182 655	3 161 412	17 242 913	16 435 044	33 774 662	1 403 036	2	2	11				
311	Food manufacturing	17 565	561 580	13 060	27 796	381 790	1 969 274	4 551 653	6 524 151	104 909	5	15	26				
3113	Sugar and confectionery product manufacturing	2 481	108 209	1 901	5 898	84 919	443 919	493 069	934 996	33 639	39	65	78				
3115	Dairy product manufacturing	1 562	60 089	834	1 688	30 393	152 510	389 776	541 213	21 922	1	10	43				
3116	Animal slaughtering and processing	7 257	186 445	6 218	12 717	143 623	448 735	2 963 567	3 419 085	23 768	1	1	1				
3118	Bakeries and tortilla manufacturing	3 395	106 205	1 994	3 314	60 077	289 352	165 454	455 083	8 594	1	1	6				
3119	Other food manufacturing ..	1 372	49 150	969	1 868	27 688	254 566	157 727	413 290	11 004	1	5	8				
312	Beverage and tobacco product manufacturing	5 606	399 583	2 885	5 642	157 014	1 443 447	1 066 852	2 513 177	155 972	1	1	1				
3121	Beverage manufacturing ...	5 606	399 583	2 885	5 642	157 014	1 443 447	1 066 852	2 513 177	155 972	1	1	1				
314	Textile product mills	1 173	52 155	1 018	2 460	26 550	152 887	78 539	232 174	4 108	88	45	12				
321	Wood product manufacturing .	3 510	96 229	2 378	4 870	60 741	124 923	319 705	435 928	24 704	20	75	44				
3212	Veneer, plywood, and engineered wood product manufacturing	1 054	29 799	426	1 123	15 218	36 405	34 179	70 444	4 737	18	16	82				
3219	Other wood product manufacturing	1 970	47 427	1 542	2 750	30 152	A	155 838	191 209	7 539	34	A	36				
322	Paper manufacturing	2 165	86 706	1 699	3 235	58 277	212 417	272 622	482 160	15 195	1	4	33				
3222	Converted paper product manufacturing	2 158	86 303	1 693	3 223	57 970	210 341	270 479	477 941	15 195	1	4	33				
323	Printing and related support activities	9 947	339 691	6 368	12 112	186 701	920 208	455 148	1 371 246	31 299	1	1	23				
3231	Printing and related support activities	9 947	339 691	6 368	12 112	186 701	920 208	455 148	1 371 246	31 299	1	1	23				
325	Chemical manufacturing	7 093	373 111	4 153	8 286	168 891	1 367 925	1 160 776	2 468 941	114 930	1	1	4				
3254	Pharmaceutical and medicine manufacturing ...	3 280	189 626	1 516	2 901	68 613	689 570	389 892	1 001 348	79 417	2	1	1				
3259	Other chemical product and preparation manufacturing	2 189	111 306	1 615	3 363	68 289	408 446	553 451	972 841	D	1	1	S				
326	Plastics and rubber products manufacturing	6 484	192 042	4 815	7 263	110 978	625 651	366 069	989 753	48 108	24	20	55				
3261	Plastics product manufacturing	6 227	183 412	4 625	6 891	105 888	609 218	342 893	950 259	47 463	25	21	55				
327	Nonmetallic mineral product manufacturing	7 800	304 305	5 877	12 437	210 837	779 466	594 211	1 403 875	227 103	3	4	59				
3271	Clay product and refractory manufacturing	1 910	76 938	1 337	2 844	46 119	147 576	71 029	219 568	D	2	2	S				
3273	Cement and concrete product manufacturing	3 920	153 782	3 179	6 911	115 407	438 484	388 915	848 052	217 714	5	6	62				
3279	Other nonmetallic mineral product manufacturing	1 008	31 253	659	1 230	18 627	72 394	52 995	128 751	5 004	7	7	50				
331	Primary metal manufacturing .	1 853	84 875	1 367	3 123	61 854	388 660	194 152	594 178	14 420	10	2	4				
3311	Iron and steel mills and ferroalloy manufacturing ..	1 060	49 638	780	1 923	37 778	295 534	83 647	393 639	D	1	1	S				
332	Fabricated metal product manufacturing	13 083	486 960	9 517	19 380	303 346	1 171 571	1 080 496	2 244 753	33 929	4	4	10				
3323	Architectural and structural metals manufacturing	3 786	134 629	2 540	5 188	76 706	274 767	296 062	563 026	10 482	12	16	29				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	2 927	110 177	2 233	4 079	74 311	214 492	100 115	314 624	4 523	5	3	18				
3329	Other fabricated metal product manufacturing	1 934	75 620	1 347	2 748	39 963	256 480	141 776	393 186	7 492	6	3	6				
333	Machinery manufacturing	9 466	409 313	5 268	10 374	193 982	966 088	858 229	1 824 349	89 607	6	5	67				
3332	Industrial machinery manufacturing	1 301	63 345	753	1 610	27 880	135 210	170 489	300 845	2 808	3	3	6				
3333	Commercial and service industry machinery manufacturing	2 726	114 130	1 150	2 241	46 847	256 039	158 852	411 751	69 526	18	4	87				
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	1 331	52 895	900	1 628	28 228	203 215	219 644	425 439	3 668	1	1	1				
3339	Other general purpose machinery manufacturing .	2 256	91 310	1 144	2 354	38 072	220 498	139 745	362 175	3 920	6	4	21				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
COLORADO—Con.													
31-33	Manufacturing—Con.												
334	Computer and electronic product manufacturing	26 819	1 536 460	12 181	24 368	425 434	4 147 023	2 268 575	6 531 489	310 593	1	1	3
3341	Computer and peripheral equipment manufacturing .	2 466	100 187	1 610	2 801	37 872	326 047	488 040	838 707	22 602	2	12	1
3342	Communications equipment manufacturing	3 008	197 235	782	2 239	37 577	537 220	390 871	943 600	138 623	6	1	6
3344	Semiconductor and other electronic component manufacturing	6 627	296 915	5 001	10 606	189 621	1 149 352	589 979	1 754 483	48 168	1	1	10
3345	Navigational, measuring, electromedical, and control instruments manufacturing	14 021	900 290	4 475	8 084	149 439	2 070 058	717 492	2 841 274	99 597	1	1	3
335	Electrical equipment, appliance, and component manufacturing	2 683	135 645	1 177	2 422	36 162	292 720	200 810	487 457	18 372	2	2	12
3359	Other electrical equipment and component manufacturing	1 606	91 620	576	1 131	18 032	164 075	108 536	267 538	15 925	2	2	12
336	Transportation equipment manufacturing	9 852	691 009	7 638	16 452	468 506	883 940	1 681 057	2 589 354	105 770	1	1	7
3363	Motor vehicle parts manufacturing	1 344	53 043	966	3 090	30 604	126 608	107 426	234 278	D	5	5	S
3364	Aerospace product and parts manufacturing	6 993	579 419	5 599	11 256	405 052	662 280	1 388 342	2 063 672	94 914	1	1	8
337	Furniture and related product manufacturing	5 275	170 396	3 911	8 228	110 186	367 969	253 968	625 647	20 328	3	3	37
3371	Household and institutional furniture and kitchen cabinet manufacturing . . .	2 710	79 585	2 088	4 270	54 107	139 572	94 844	239 258	7 176	5	7	35
3372	Office furniture (including fixtures) manufacturing . . .	1 930	68 395	1 313	2 874	41 303	147 654	96 521	243 397	3 064	5	2	42
339	Miscellaneous manufacturing .	9 368	348 216	5 593	11 274	161 256	1 132 850	475 548	1 594 640	33 896	5	4	12
3391	Medical equipment and supplies manufacturing . . .	4 920	194 925	2 636	5 360	80 678	744 801	225 828	971 209	20 845	9	6	13
3399	Other miscellaneous manufacturing	4 448	153 292	2 956	5 914	80 579	388 049	249 720	623 431	13 050	3	5	22
CONNECTICUT													
31-33	Manufacturing	194 502	9 248 050	116 954	243 658	4 478 198	25 771 357	15 685 794	41 586 523	1 242 709	1	1	4
311	Food manufacturing	9 384	337 546	6 104	12 037	206 138	1 409 851	876 323	2 280 874	102 028	4	4	6
3115	Dairy product manufacturing	1 002	40 210	685	1 233	21 208	251 057	187 793	439 084	5 305	3	1	18
3118	Bakeries and tortilla manufacturing	4 545	153 158	2 535	5 624	93 413	482 917	189 842	668 084	69 839	6	12	6
3119	Other food manufacturing . .	1 953	73 499	1 530	2 248	48 801	425 328	262 735	675 893	15 900	11	3	1
313	Textile mills	1 791	65 183	1 392	2 861	41 420	135 605	160 737	297 628	3 497	4	3	36
314	Textile product mills	1 058	29 610	809	1 511	16 729	70 333	62 736	131 249	843	6	4	15
321	Wood product manufacturing .	1 921	62 971	1 571	2 861	45 609	104 572	113 427	215 590	2 698	2	4	11
3219	Other wood product manufacturing	1 389	43 870	1 137	1 993	30 946	73 155	64 488	136 710	851	3	5	35
322	Paper manufacturing	4 874	225 173	3 672	7 588	147 899	826 319	752 325	1 575 941	51 930	2	1	5
3221	Pulp, paper, and paperboard mills	1 407	79 815	1 162	2 364	62 778	482 677	416 861	900 124	42 929	1	1	4
3222	Converted paper product manufacturing	3 468	145 358	2 510	5 224	85 121	343 641	335 463	675 817	9 001	3	2	25
323	Printing and related support activities	9 714	404 607	6 903	14 095	245 766	866 593	461 489	1 326 763	35 837	2	2	18
3231	Printing and related support activities	9 714	404 607	6 903	14 095	245 766	866 593	461 489	1 326 763	35 837	2	2	18
325	Chemical manufacturing	7 309	424 461	4 093	8 714	204 698	3 226 600	1 439 689	4 715 256	124 430	2	1	10
3256	Soap, cleaning compound, and toilet preparation manufacturing	2 505	134 078	1 486	3 294	72 146	802 693	368 531	1 187 287	18 095	1	1	6
3259	Other chemical product and preparation manufacturing	1 793	90 854	795	1 687	31 478	262 395	273 072	542 126	22 089	3	15	51
326	Plastics and rubber products manufacturing	8 297	295 933	6 367	13 925	180 948	776 777	632 172	1 408 435	57 109	5	5	13
3261	Plastics product manufacturing	7 315	258 510	5 671	12 487	158 823	702 191	579 964	1 281 021	52 250	6	5	14
3262	Rubber product manufacturing	983	37 423	696	1 438	22 125	74 586	52 208	127 414	4 860	3	4	18

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E							
	CONNECTICUT—Con.												
31-33	Manufacturing—Con.												
327	Nonmetallic mineral product manufacturing	2 927	123 799	2 176	4 588	78 628	270 598	221 300	491 958	25 196	15	27	36
3273	Cement and concrete product manufacturing	1 861	77 307	1 294	2 798	50 581	198 785	130 021	329 220	20 773	8	4	44
331	Primary metal manufacturing .	3 275	143 151	2 404	5 762	91 642	205 793	437 559	748 719	24 431	8	48	23
3314	Nonferrous metal (except aluminum) production and processing	1 497	67 908	985	2 763	44 829	A	203 759	354 345	18 400	9	A	31
332	Fabricated metal product manufacturing	33 713	1 443 426	24 495	51 673	875 031	3 072 827	1 884 769	4 963 222	192 534	2	2	17
3321	Forging and stamping.....	4 164	187 578	3 334	6 652	122 494	391 587	299 704	695 224	18 183	5	3	10
3322	Cutlery and handtool manufacturing	2 073	103 070	1 476	2 819	51 940	259 639	150 334	414 337	22 802	2	1	9
3323	Architectural and structural metals manufacturing	3 618	156 875	2 406	5 784	91 039	361 354	262 000	621 577	11 198	5	2	19
3325	Hardware manufacturing ...	2 241	93 274	1 677	3 338	54 219	295 284	161 585	458 299	9 833	1	3	21
3326	Spring and wire product manufacturing	1 816	72 887	1 330	2 584	47 130	154 797	67 662	222 055	3 431	12	13	36
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	9 207	384 587	6 801	13 723	242 303	664 043	384 340	1 053 074	83 571	3	6	37
3328	Coating, engraving, heat treating, and allied activities	3 919	155 533	2 798	6 896	96 814	223 441	193 067	410 420	19 745	9	19	27
3329	Other fabricated metal product manufacturing	6 229	272 522	4 354	9 206	159 156	687 021	337 306	1 023 158	23 370	4	5	12
333	Machinery manufacturing	17 771	827 068	9 382	18 952	362 346	2 188 088	1 314 284	3 531 885	99 433	2	1	4
3332	Industrial machinery manufacturing	4 161	214 158	2 062	4 076	90 666	636 935	256 082	896 652	10 258	1	1	5
3333	Commercial and service industry machinery manufacturing	2 959	124 936	1 186	1 929	38 322	404 202	313 003	725 520	51 706	2	2	4
3335	Metalworking machinery manufacturing	3 915	166 587	2 291	4 704	88 705	314 459	225 078	533 769	11 567	6	8	21
3336	Engine, turbine, and power transmission equipment manufacturing	2 216	113 066	1 499	3 127	68 392	303 042	125 016	435 351	9 749	1	1	13
3339	Other general purpose machinery manufacturing .	3 606	174 253	1 730	3 955	58 918	414 503	285 544	711 803	15 485	3	2	15
334	Computer and electronic product manufacturing	19 426	1 009 821	8 535	17 544	313 170	2 036 493	1 329 359	3 370 626	96 081	4	8	17
3342	Communications equipment manufacturing	3 604	155 491	1 232	2 541	41 195	342 303	232 210	555 349	8 743	2	43	14
3344	Semiconductor and other electronic component manufacturing	4 483	215 530	2 901	6 431	105 034	434 174	318 750	750 745	49 328	19	7	33
3345	Navigational, measuring, electromedical, and control instruments manufacturing	10 343	589 008	4 093	8 014	158 256	1 165 385	721 839	1 912 189	36 250	1	4	9
335	Electrical equipment, appliance, and component manufacturing	10 133	435 418	6 135	14 300	207 428	1 040 029	629 609	1 622 520	53 469	5	3	14
3351	Electric lighting equipment manufacturing	1 255	50 704	890	1 974	21 831	122 932	78 772	200 958	672	6	7	49
3353	Electrical equipment manufacturing	2 995	164 518	1 617	5 136	82 550	318 697	191 629	462 241	20 199	16	10	34
3359	Other electrical equipment and component manufacturing	5 768	216 718	3 526	6 982	100 815	584 702	346 358	932 766	32 229	2	2	8
336	Transportation equipment manufacturing	43 156	2 617 858	20 186	40 411	1 066 271	7 224 445	3 441 291	10 639 963	263 979	1	1	3
3363	Motor vehicle parts manufacturing	h	D	D	D	D	D	D	D	D	S	S	S
3364	Aerospace product and parts manufacturing	30 152	1 898 563	13 795	26 617	810 261	4 712 171	2 805 660	7 489 896	223 615	1	1	3
3366	Ship and boat building	i	D	D	D	D	D	D	D	D	S	S	S
337	Furniture and related product manufacturing	3 704	116 818	2 977	6 203	83 243	216 305	178 991	408 303	38 157	6	7	80
3371	Household and institutional furniture and kitchen cabinet manufacturing	1 827	55 113	1 430	3 069	38 159	102 856	73 848	187 768	36 244	4	13	84
3372	Office furniture (including fixtures) manufacturing ...	1 556	47 940	1 094	1 942	30 026	85 569	62 180	148 539	415	12	6	22

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	CONNECTICUT—Con.																
31-33	Manufacturing—Con.																
339	Miscellaneous manufacturing . . .	13 459	590 908	8 121	17 435	266 807	1 717 302	1 343 313	3 071 844	62 746	7	2	11				
3391	Medical equipment and supplies manufacturing . . .	7 118	333 910	4 347	9 532	158 260	995 040	704 349	1 698 999	32 514	9	3	19				
3399	Other miscellaneous manufacturing	6 340	256 998	3 774	7 903	108 547	722 261	638 964	1 372 845	30 232	11	2	10				
	DELAWARE																
31-33	Manufacturing	36 490	1 629 909	25 817	52 891	965 276	4 606 503	9 616 490	14 444 949	394 499	2	2	2				
311	Food manufacturing	9 162	212 954	7 933	15 531	164 585	636 238	962 932	1 597 809	34 038	2	1	1				
3116	Animal slaughtering and processing	6 961	145 528	6 190	12 498	115 638	294 919	562 289	857 003	24 537	1	1	1				
322	Paper manufacturing	1 428	59 159	916	1 782	33 206	451 913	96 606	556 016	D	1	1	S				
3222	Converted paper product manufacturing	1 399	57 995	893	1 735	32 289	449 010	94 652	551 163	D	1	1	S				
325	Chemical manufacturing	6 092	374 105	3 180	7 129	180 044	1 572 271	2 782 528	4 674 679	159 694	6	5	3				
3251	Basic chemical manufacturing	1 441	87 935	749	1 630	50 579	358 563	291 235	669 911	37 063	3	2	7				
3254	Pharmaceutical and medicine manufacturing . . .	2 291	145 315	923	2 812	45 998	462 495	1 904 498	2 604 093	69 196	1	1	1				
3256	Soap, cleaning compound, and toilet preparation manufacturing	1 238	73 444	774	1 734	45 059	351 982	314 833	659 988	27 922	1	1	1				
326	Plastics and rubber products manufacturing	2 316	97 575	1 566	3 293	53 619	275 123	231 692	502 873	26 903	1	7	9				
3261	Plastics product manufacturing	2 108	89 731	1 417	2 929	48 779	258 574	216 320	470 576	26 523	1	7	9				
332	Fabricated metal product manufacturing	2 139	86 602	1 479	3 172	52 803	186 133	131 320	318 624	2 606	6	5	16				
3323	Architectural and structural metals manufacturing	1 029	38 115	737	1 621	25 838	85 708	74 550	159 507	926	3	6	32				
334	Computer and electronic product manufacturing	2 359	142 217	1 085	1 866	39 573	409 876	139 588	521 917	18 907	9	4	1				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1 607	105 278	574	887	26 265	378 916	73 208	417 038	15 023	1	1	1				
336	Transportation equipment manufacturing	4 160	289 381	3 670	7 883	246 042	73 131	2 603 917	2 650 976	89 151	1	3	1				
3361	Motor vehicle manufacturing	h	D	D	D	D	D	D	D	D	S	S	S				
337	Furniture and related product manufacturing	1 149	33 298	873	1 719	18 011	79 448	114 422	193 204	198	6	4	10				
339	Miscellaneous manufacturing	1 722	74 493	1 114	2 177	36 398	252 062	95 777	341 474	10 326	1	1	5				
3391	Medical equipment and supplies manufacturing . . .	1 216	56 376	740	1 459	24 375	167 736	69 436	233 272	D	1	1	S				
	DISTRICT OF COLUMBIA																
31-33	Manufacturing	1 944	84 336	717	1 440	18 471	195 804	98 762	293 218	12 573	5	4	32				
	FLORIDA																
31-33	Manufacturing	358 308	13 971 984	233 396	473 631	6 918 736	42 391 298	36 866 442	78 899 975	2 447 821	1	1	2				
311	Food manufacturing	31 799	1 109 422	22 105	43 293	685 895	4 847 009	5 079 228	9 993 619	241 736	1	2	3				
3113	Sugar and confectionery product manufacturing	3 052	134 816	2 352	5 478	101 122	479 300	532 775	981 213	31 602	1	1	1				
3114	Fruit and vegetable preserving and specialty food manufacturing	6 508	284 211	4 895	9 623	177 836	1 721 556	1 673 648	3 505 625	74 687	1	4	1				
3115	Dairy product manufacturing	2 014	76 888	1 508	2 963	51 279	375 251	581 059	954 097	18 080	1	1	1				
3116	Animal slaughtering and processing	4 714	128 122	3 986	7 711	98 308	441 678	498 281	927 428	17 580	1	9	16				
3117	Seafood product preparation and packaging	2 090	63 943	1 624	3 423	36 803	208 585	502 808	711 372	4 442	2	1	5				
3118	Bakeries and tortilla manufacturing	8 818	256 681	4 424	7 763	120 592	687 693	382 953	1 069 761	36 600	4	2	11				
3119	Other food manufacturing	3 899	139 857	2 851	5 300	84 969	871 475	612 685	1 460 308	48 578	3	6	14				
312	Beverage and tobacco product manufacturing	7 525	295 838	4 359	9 648	151 776	2 312 724	1 726 321	4 023 040	159 602	1	1	7				
3121	Beverage manufacturing	5 701	225 718	2 832	6 555	103 771	1 835 441	1 623 222	3 435 567	D	1	1	S				
3122	Tobacco manufacturing	1 824	70 120	1 527	3 093	48 005	477 283	103 099	587 473	D	1	1	S				
313	Textile mills	1 299	42 045	1 033	2 314	29 923	85 914	103 022	187 406	6 180	5	7	42				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
		A	B	C	D	E					F	G	H	I
	FLORIDA—Con.													
31-33	Manufacturing—Con.													
314	Textile product mills	5 090	133 981	4 095	8 391	84 774	293 878	246 232	536 298	8 593	4	6	43	
3141	Textile furnishings mills	2 027	45 997	1 740	3 608	32 064	116 141	132 168	243 465	1 404	2	1	8	
3149	Other textile product mills ..	3 062	87 984	2 355	4 783	52 710	177 737	114 064	292 833	7 190	7	11	52	
315	Apparel manufacturing	8 384	190 111	6 619	13 306	111 912	594 102	732 281	1 275 729	21 601	2	4	10	
3152	Cut and sew apparel manufacturing	7 594	171 844	6 009	11 928	101 272	549 780	698 776	1 197 831	20 968	2	4	10	
316	Leather and allied product manufacturing	1 075	27 433	849	1 658	14 539	44 520	47 495	95 083	347	1	1	1	
321	Wood product manufacturing .	16 741	508 486	13 240	27 464	338 098	1 101 243	1 659 217	2 743 698	60 582	2	2	16	
3211	Sawmills and wood preservation	2 599	84 888	2 121	4 659	59 373	226 398	561 040	783 879	11 097	4	2	4	
3212	Veneer, plywood, and engineered wood product manufacturing	7 179	221 798	5 604	11 555	145 908	399 980	481 965	881 371	15 052	3	2	20	
3219	Other wood product manufacturing	6 964	201 800	5 515	11 251	132 817	474 866	616 213	1 078 448	34 433	3	4	26	
322	Paper manufacturing	10 023	480 607	7 776	16 855	326 470	1 588 957	1 836 368	3 425 453	134 395	1	1	5	
3221	Pulp, paper, and paperboard mills	4 670	267 568	3 698	8 101	198 674	1 035 165	976 625	2 011 853	97 354	1	1	4	
3222	Converted paper product manufacturing	5 353	213 039	4 078	8 754	127 796	553 793	859 743	1 413 600	37 041	1	1	14	
323	Printing and related support activities	20 088	715 521	14 161	27 284	432 429	1 492 573	1 058 777	2 564 034	92 218	5	3	24	
3231	Printing and related support activities	20 088	715 521	14 161	27 284	432 429	1 492 573	1 058 777	2 564 034	92 218	5	3	24	
324	Petroleum and coal products manufacturing	1 121	48 843	698	1 641	25 755	173 623	310 934	482 732	8 461	1	3	5	
3241	Petroleum and coal products manufacturing ...	1 121	48 843	698	1 641	25 755	173 623	310 934	482 732	8 461	1	3	5	
325	Chemical manufacturing	18 576	887 050	11 808	24 352	431 004	3 762 017	4 778 774	8 545 212	289 999	1	1	2	
3251	Basic chemical manufacturing	1 435	76 243	980	2 057	45 411	425 520	337 402	747 438	23 802	1	1	1	
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	2 277	105 622	1 700	3 792	53 737	417 228	751 808	1 170 661	47 938	1	1	5	
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	4 414	234 293	3 149	7 152	151 102	683 333	2 270 402	2 990 144	133 356	1	1	2	
3254	Pharmaceutical and medicine manufacturing ...	5 106	242 896	2 439	4 190	76 931	1 285 027	627 184	1 899 537	54 059	1	1	3	
3255	Paint, coating, and adhesive manufacturing	1 585	65 895	793	1 536	17 916	196 004	354 500	545 903	7 140	8	5	23	
3256	Soap, cleaning compound, and toilet preparation manufacturing	2 441	101 939	1 787	3 604	55 568	515 384	232 885	747 033	17 396	7	5	1	
3259	Other chemical product and preparation manufacturing	1 318	60 161	960	2 022	30 339	239 521	204 593	444 496	6 308	8	4	20	
326	Plastics and rubber products manufacturing	15 591	489 715	12 228	24 434	325 544	1 353 785	1 343 780	2 709 990	75 461	3	2	7	
3261	Plastics product manufacturing	13 731	428 263	10 839	21 382	283 418	1 218 104	1 209 168	2 437 938	73 678	3	2	7	
3262	Rubber product manufacturing	1 859	61 452	1 389	3 052	42 127	135 681	134 612	272 053	1 783	1	6	9	
327	Nonmetallic mineral product manufacturing	21 139	755 445	16 394	35 508	518 567	2 552 411	2 032 017	4 563 489	399 747	2	3	3	
3272	Glass and glass product manufacturing	1 787	64 313	1 455	3 018	47 680	173 318	112 244	286 198	15 595	2	5	57	
3273	Cement and concrete product manufacturing	16 002	554 799	12 430	26 730	378 510	1 902 934	1 523 778	3 416 675	268 091	3	3	4	
3279	Other nonmetallic mineral product manufacturing	2 132	82 999	1 517	3 490	53 468	245 223	168 711	400 393	D	8	8	S	
331	Primary metal manufacturing .	3 552	140 528	2 712	6 169	92 009	374 485	616 893	1 005 937	21 816	2	1	6	
3313	Alumina and aluminum production and processing	1 194	39 350	988	2 298	28 561	99 434	215 954	317 292	7 926	1	1	12	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
FLORIDA—Con.													
31-33	Manufacturing—Con.												
332	Fabricated metal product manufacturing	36 904	1 234 713	26 826	53 981	746 391	2 987 286	2 518 459	5 509 755	131 425	3	2	8
3321	Forging and stamping.....	1 687	65 629	1 396	3 093	42 518	180 787	133 997	314 308	9 890	3	2	21
3323	Architectural and structural metals manufacturing	19 027	596 011	13 046	26 875	329 515	1 368 099	1 283 211	2 644 787	48 738	3	4	8
3324	Boiler, tank, and shipping container manufacturing ..	2 050	78 829	1 672	3 431	54 631	305 765	417 122	731 778	21 113	8	7	4
3325	Hardware manufacturing ...	1 139	28 816	958	1 935	19 337	66 892	36 321	102 815	1 097	1	2	9
3326	Spring and wire product manufacturing	1 561	47 863	1 264	2 417	32 958	158 155	139 463	295 556	7 830	2	2	8
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	3 690	154 159	2 648	5 592	102 135	318 433	150 393	467 180	22 424	22	11	39
3328	Coating, engraving, heat treating, and allied activities	1 849	59 690	1 547	2 631	42 697	111 686	41 579	153 836	2 167	18	9	35
3329	Other fabricated metal product manufacturing	5 069	175 329	3 692	6 664	103 853	387 014	251 697	641 878	15 451	3	5	9
333	Machinery manufacturing	19 826	853 212	10 465	21 345	342 309	2 242 459	1 960 153	4 287 321	82 947	2	3	10
3331	Agriculture, construction, and mining machinery manufacturing	1 096	42 622	687	1 376	21 448	89 142	125 295	216 948	7 725	2	2	13
3332	Industrial machinery manufacturing	1 943	98 565	963	1 793	34 966	185 488	169 922	356 292	2 996	6	4	1
3333	Commercial and service industry machinery manufacturing	5 921	273 429	2 054	4 700	75 473	1 010 504	881 972	1 937 927	37 309	4	5	7
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	1 685	56 462	1 204	2 358	32 293	165 102	149 165	314 888	4 130	22	12	59
3335	Metalworking machinery manufacturing	2 372	105 764	1 670	3 251	55 587	192 586	102 938	311 505	3 226	4	9	29
3339	Other general purpose machinery manufacturing .	6 126	246 857	3 484	7 138	109 777	530 089	446 171	986 866	26 460	2	3	27
334	Computer and electronic product manufacturing	51 576	2 810 218	20 047	40 721	664 375	7 577 512	5 075 045	12 560 520	318 421	2	1	3
3342	Communications equipment manufacturing	13 134	858 088	3 456	6 881	113 470	2 572 637	1 929 099	4 518 007	60 632	3	1	3
3344	Semiconductor and other electronic component manufacturing	15 590	611 892	9 187	18 242	262 154	1 536 760	1 346 449	2 899 411	126 325	1	2	6
3345	Navigational, measuring, electromedical, and control instruments manufacturing	20 441	1 212 220	6 277	12 989	252 233	3 095 507	1 502 309	4 503 352	120 546	1	3	4
335	Electrical equipment, appliance, and component manufacturing	8 763	309 294	5 578	11 151	145 253	712 290	739 211	1 449 895	12 688	5	3	8
3351	Electric lighting equipment manufacturing	956	27 252	695	1 700	13 413	73 227	39 596	113 707	288	41	19	1
3353	Electrical equipment manufacturing	2 524	93 545	1 399	2 739	35 296	228 916	215 130	446 467	3 618	7	5	17
3359	Other electrical equipment and component manufacturing	5 246	187 324	3 452	6 656	95 849	406 374	480 509	881 978	8 729	3	3	10
336	Transportation equipment manufacturing	26 756	967 147	19 757	39 560	582 353	2 163 088	2 494 630	4 685 373	80 369	3	3	7
3362	Motor vehicle body and trailer manufacturing.....	3 300	116 075	2 538	4 526	65 688	270 644	330 506	604 271	10 747	11	10	13
3363	Motor vehicle parts manufacturing	5 640	170 985	4 436	7 960	103 070	404 811	499 561	891 669	D	4	4	S
3364	Aerospace product and parts manufacturing	5 109	257 198	2 961	5 971	111 399	431 025	527 153	998 749	21 768	6	1	2
3366	Ship and boat building	11 860	391 887	9 138	20 029	283 787	980 196	1 013 565	1 993 761	26 534	5	5	13
337	Furniture and related product manufacturing	16 239	457 026	12 989	25 398	304 950	1 069 306	826 092	1 884 436	35 880	4	4	22
3371	Household and institutional furniture and kitchen cabinet manufacturing	9 905	274 271	8 198	16 154	194 647	622 509	468 470	1 078 349	17 627	5	5	25
3372	Office furniture (including fixtures) manufacturing ...	3 113	88 610	2 409	4 622	54 645	187 842	93 563	283 070	9 331	13	8	60
3379	Other furniture related product manufacturing	3 222	94 145	2 382	4 622	55 658	258 955	264 059	523 017	8 921	2	6	43

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
FLORIDA—Con.													
31-33	Manufacturing—Con.												
339	Miscellaneous manufacturing	36 241	1 515 348	19 654	39 157	564 412	5 062 114	1 681 513	6 370 956	265 353	2	2	9
3391	Medical equipment and supplies manufacturing	24 336	1 133 492	11 214	23 172	354 075	4 128 507	1 031 450	4 791 958	242 601	2	2	10
3399	Other miscellaneous manufacturing	11 905	381 856	8 440	15 985	210 337	933 607	650 063	1 578 998	22 752	3	2	11
GEORGIA													
31-33	Manufacturing	430 768	15 421 831	330 211	682 242	10 081 552	58 683 253	66 293 243	125 098 997	3 007 133	1	1	2
311	Food manufacturing	57 828	1 627 380	46 940	100 899	1 168 957	9 098 210	8 842 052	17 867 846	457 509	1	1	3
3111	Animal food manufacturing	1 505	60 357	1 073	2 068	37 353	318 613	1 125 860	1 457 041	22 409	1	1	3
3112	Grain and oilseed milling	1 119	52 669	745	1 538	30 496	757 730	814 031	1 581 905	131 432	6	3	1
3113	Sugar and confectionery product manufacturing	2 615	99 954	2 043	4 315	67 448	566 118	762 748	1 310 572	D	1	1	S
3114	Fruit and vegetable preserving and specialty food manufacturing	1 392	43 803	1 119	2 396	29 572	270 045	176 789	446 587	3 249	1	1	1
3116	Animal slaughtering and processing	32 422	746 335	28 719	61 842	598 923	2 581 834	3 418 176	5 942 018	97 184	1	2	5
3117	Seafood product preparation and packaging	1 007	29 864	634	837	16 356	56 706	172 257	228 863	D	1	1	S
3118	Bakeries and tortilla manufacturing	11 372	363 235	7 627	17 746	234 484	1 733 492	896 766	2 635 273	122 665	2	2	9
3119	Other food manufacturing	5 823	208 112	4 502	9 059	137 272	2 798 078	1 255 784	4 034 591	46 419	6	1	9
312	Beverage and tobacco product manufacturing	6 505	356 637	4 201	9 672	207 022	4 830 279	1 830 271	6 660 338	159 136	3	1	6
3121	Beverage manufacturing	h	D	D	D	D	D	D	D	111 035	S	S	1
3122	Tobacco manufacturing	g	D	D	D	D	D	D	D	48 101	S	S	19
313	Textile mills	35 726	965 054	31 952	64 163	784 988	2 383 992	3 690 403	6 050 613	168 421	1	2	11
3131	Fiber, yarn, and thread mills	16 418	421 925	15 070	31 119	364 886	1 091 266	1 914 289	2 983 406	82 326	2	4	20
3132	Fabric mills	14 935	423 770	13 231	25 702	335 664	1 043 245	1 373 218	2 412 719	73 236	1	4	10
3133	Textile and fabric finishing and fabric coating mills	4 372	119 359	3 652	7 341	84 438	249 482	402 896	654 488	12 858	3	3	11
314	Textile product mills	35 951	1 045 585	30 218	64 812	781 928	4 316 398	6 956 063	11 234 070	160 620	2	1	9
3141	Textile furnishings mills	29 025	853 632	24 435	52 502	639 522	3 879 830	6 414 514	10 268 695	110 195	2	1	12
3149	Other textile product mills	6 926	191 953	5 783	12 310	142 406	436 567	541 549	965 375	50 425	1	2	1
315	Apparel manufacturing	6 937	140 387	5 408	10 662	81 482	381 781	406 777	764 667	D	7	8	S
3152	Cut and sew apparel manufacturing	5 942	121 968	4 580	9 288	67 887	349 050	375 780	701 013	D	9	9	S
321	Wood product manufacturing	22 196	648 812	18 217	37 231	476 600	1 633 285	2 748 400	4 382 559	85 115	3	3	17
3211	Sawmills and wood preservation	6 115	193 344	5 054	10 947	144 286	505 328	1 189 355	1 699 841	31 467	2	3	11
3212	Veneer, plywood, and engineered wood product manufacturing	4 730	166 302	3 989	8 948	130 222	476 398	685 127	1 176 282	36 246	3	4	37
3219	Other wood product manufacturing	11 351	289 166	9 174	17 336	202 093	651 559	873 918	1 506 437	17 402	6	6	18
322	Paper manufacturing	21 428	1 046 867	16 854	38 081	756 404	4 803 779	4 332 576	9 176 201	321 420	2	1	4
3221	Pulp, paper, and paperboard mills	9 242	552 358	7 415	17 245	404 668	2 641 154	1 907 187	4 539 184	146 314	1	1	1
3222	Converted paper product manufacturing	12 186	494 508	9 440	20 836	351 737	2 162 625	2 425 389	4 637 017	175 106	3	2	8
323	Printing and related support activities	18 379	746 728	13 150	27 165	456 002	1 679 802	1 031 340	2 716 623	149 728	4	4	23
3231	Printing and related support activities	18 379	746 728	13 150	27 165	456 002	1 679 802	1 031 340	2 716 623	149 728	4	4	23
324	Petroleum and coal products manufacturing	1 215	58 373	946	2 075	42 033	248 551	708 149	957 504	15 378	2	3	9
3241	Petroleum and coal products manufacturing	1 215	58 373	946	2 075	42 033	248 551	708 149	957 504	15 378	2	3	9

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
		A	B	C	D	E					F	G	H	I
	GEORGIA—Con.													
31-33	Manufacturing—Con.													
325	Chemical manufacturing	24 170	1 108 670	15 687	33 057	610 752	6 328 320	5 675 163	12 002 175	346 739	5	2	5	
3251	Basic chemical manufacturing	3 752	206 664	2 433	5 419	123 253	876 091	1 087 976	1 952 294	80 336	3	2	13	
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	4 537	187 491	3 565	7 490	128 292	646 507	1 137 982	1 779 746	26 567	1	1	3	
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	1 993	85 297	1 124	2 296	38 500	447 423	466 331	908 701	22 886	33	25	18	
3254	Pharmaceutical and medicine manufacturing	2 580	152 029	1 250	2 561	62 780	1 298 982	498 371	1 815 820	78 395	1	1	9	
3255	Paint, coating, and adhesive manufacturing	2 083	92 469	1 256	2 814	46 594	729 440	624 082	1 361 693	29 681	10	5	25	
3256	Soap, cleaning compound, and toilet preparation manufacturing	5 530	218 436	3 542	7 686	114 195	1 571 371	1 010 818	2 592 720	52 666	18	4	12	
3259	Other chemical product and preparation manufacturing	3 696	166 284	2 519	4 790	97 137	758 506	849 603	1 591 203	56 207	1	1	11	
326	Plastics and rubber products manufacturing	27 938	932 871	22 493	46 483	655 705	3 025 125	3 063 785	6 079 970	191 192	2	2	12	
3261	Plastics product manufacturing	21 545	699 042	17 299	35 442	480 614	2 315 037	2 371 931	4 683 146	165 438	2	2	14	
3262	Rubber product manufacturing	6 393	233 829	5 195	11 041	175 091	710 088	691 854	1 396 825	25 754	2	2	5	
327	Nonmetallic mineral product manufacturing	18 850	701 678	14 309	30 353	496 121	2 245 583	1 632 485	3 855 870	155 381	1	3	12	
3271	Clay product and refractory manufacturing	2 942	92 950	2 209	4 329	59 922	307 360	141 698	442 197	10 050	3	5	6	
3272	Glass and glass product manufacturing	2 232	90 203	1 817	3 883	67 488	288 520	239 965	521 470	58 162	1	1	29	
3273	Cement and concrete product manufacturing	8 022	269 557	6 068	12 857	198 273	759 171	697 820	1 449 225	32 092	1	2	8	
3279	Other nonmetallic mineral product manufacturing	5 215	228 177	3 857	8 425	154 127	797 302	444 113	1 240 805	50 938	4	7	14	
331	Primary metal manufacturing	5 798	217 265	4 774	10 375	161 310	649 345	1 513 290	2 149 799	30 601	2	4	4	
3313	Alumina and aluminum production and processing	2 702	103 701	2 193	4 835	75 586	271 815	569 335	840 184	12 936	1	2	2	
3315	Foundries	1 677	56 527	1 441	3 183	42 032	153 452	101 518	257 664	4 267	6	17	26	
332	Fabricated metal product manufacturing	29 370	1 018 050	22 291	46 335	672 142	2 729 451	2 679 056	5 428 270	132 349	1	1	11	
3321	Forging and stamping	1 554	60 165	1 128	2 525	38 218	145 984	168 665	309 721	5 384	3	2	36	
3323	Architectural and structural metals manufacturing	11 535	379 253	8 566	17 681	237 189	918 461	1 097 175	2 023 752	31 171	1	2	11	
3324	Boiler, tank, and shipping container manufacturing	2 367	96 154	1 867	4 327	68 016	422 653	443 746	840 056	12 308	3	5	20	
3325	Hardware manufacturing	1 239	39 160	964	2 044	25 451	59 829	127 452	212 706	8 085	5	4	4	
3326	Spring and wire product manufacturing	1 644	50 294	1 272	2 637	34 753	155 746	117 914	274 722	D	1	1	S	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3 856	148 342	2 804	5 641	99 298	317 935	153 930	479 303	21 951	4	7	62	
3328	Coating, engraving, heat treating, and allied activities	1 454	43 363	1 125	2 384	31 859	102 890	98 492	197 898	4 027	12	7	30	
3329	Other fabricated metal product manufacturing	4 904	171 025	3 989	7 864	120 514	519 111	432 917	964 857	34 175	4	1	6	
333	Machinery manufacturing	23 537	887 734	15 963	31 554	474 638	2 787 863	3 651 211	6 485 821	138 646	2	3	16	
3331	Agriculture, construction, and mining machinery manufacturing	4 040	142 033	3 116	6 472	90 685	647 715	1 476 855	2 137 570	48 387	3	1	4	
3332	Industrial machinery manufacturing	3 990	176 986	2 079	3 879	64 308	401 056	343 774	744 347	9 257	10	6	20	
3333	Commercial and service industry machinery manufacturing	1 532	46 043	942	1 153	17 909	132 005	59 998	186 208	28 158	10	9	75	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	6 572	230 571	4 749	9 742	141 078	765 107	744 600	1 505 777	28 087	4	7	13	
3335	Metalworking machinery manufacturing	1 404	64 004	961	2 076	34 989	75 969	59 091	148 413	1 969	2	29	18	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					A	F	I
GEORGIA—Con.													
31-33	Manufacturing—Con.												
333	Machinery manufacturing—Con.												
3336	Engine, turbine, and power transmission equipment manufacturing	2 019	71 589	1 692	3 248	52 540	260 177	432 960	725 350	13 990	2	12	2
3339	Other general purpose machinery manufacturing .	3 979	156 508	2 424	4 986	73 129	505 833	533 932	1 038 158	8 797	1	1	20
334	Computer and electronic product manufacturing	10 727	522 018	5 363	10 976	171 496	1 143 678	1 454 256	2 585 272	48 495	3	4	5
3341	Computer and peripheral equipment manufacturing .	1 266	63 375	438	839	17 370	118 500	101 742	220 695	11 228	1	1	1
3342	Communications equipment manufacturing	2 495	158 325	1 081	2 252	34 731	333 326	492 778	817 449	8 714	5	8	19
3343	Audio and video equipment manufacturing	g	D	D	D	D	D	D	D	D	S	S	S
3344	Semiconductor and other electronic component manufacturing	2 375	91 625	1 535	3 008	48 801	189 686	201 461	389 836	5 916	3	2	12
3345	Navigational, measuring, electromedical, and control instruments manufacturing	3 237	148 898	1 567	3 098	49 823	369 918	273 376	640 732	8 041	8	11	19
335	Electrical equipment, appliance, and component manufacturing	16 782	553 582	13 112	24 888	360 178	1 580 215	2 977 825	4 526 018	96 365	2	8	7
3351	Electric lighting equipment manufacturing	2 615	66 018	2 194	4 352	49 173	236 818	259 921	496 477	D	5	1	S
3352	Household appliance manufacturing	3 589	98 620	3 066	5 125	74 038	329 812	868 165	1 179 695	D	3	2	S
3353	Electrical equipment manufacturing	4 953	176 266	3 553	6 356	97 286	478 066	863 286	1 332 646	22 455	5	25	6
3359	Other electrical equipment and component manufacturing	5 625	212 679	4 298	9 056	139 681	535 519	986 453	1 517 201	37 460	2	5	17
336	Transportation equipment manufacturing	40 112	1 919 744	28 022	53 562	1 159 573	5 878 173	11 024 805	17 119 991	235 640	1	1	5
3361	Motor vehicle manufacturing	6 649	402 142	5 801	10 967	359 636	2 251 625	5 132 207	7 377 868	42 569	1	1	1
3362	Motor vehicle body and trailer manufacturing	3 054	94 940	2 609	5 418	76 050	232 312	436 490	661 055	3 760	11	9	9
3363	Motor vehicle parts manufacturing	9 960	367 311	7 695	15 016	242 066	794 937	1 385 311	2 172 644	60 156	3	3	20
3364	Aerospace product and parts manufacturing	14 157	831 109	8 012	14 845	367 770	1 923 565	2 904 195	5 066 948	62 585	1	1	1
3366	Ship and boat building	1 885	53 082	1 570	3 130	36 710	110 523	187 318	297 841	2 983	1	1	1
3369	Other transportation equipment manufacturing .	3 745	145 103	1 775	3 261	57 929	541 841	833 837	1 376 541	63 467	1	1	1
337	Furniture and related product manufacturing	11 860	330 357	9 807	19 342	241 567	944 346	767 202	1 720 608	17 853	4	5	13
3371	Household and institutional furniture and kitchen cabinet manufacturing	7 070	185 225	5 764	11 354	129 364	477 368	428 118	917 087	8 184	5	8	23
3372	Office furniture (including fixtures) manufacturing ...	3 817	114 091	3 220	6 314	89 716	338 952	238 637	574 579	8 622	7	8	15
3379	Other furniture related product manufacturing	973	31 041	824	1 673	22 488	128 025	100 448	228 941	1 048	1	1	1
339	Miscellaneous manufacturing .	15 260	588 015	10 359	20 285	319 861	1 981 431	1 299 970	3 310 828	87 325	5	2	8
3391	Medical equipment and supplies manufacturing ...	6 911	314 153	4 614	9 126	170 983	1 289 349	824 400	2 141 805	46 377	11	3	9
3399	Other miscellaneous manufacturing	8 348	273 862	5 745	11 160	148 878	692 082	475 569	1 169 023	40 948	1	1	13
HAWAII													

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	HAWAII—Con.																
31-33	Manufacturing	13 564	434 350	8 988	17 649	269 084	1 224 485	2 641 892	3 879 733	91 327	2	6	13				
311	Food manufacturing	5 361	141 250	3 571	6 619	86 801	530 021	523 622	1 050 259	28 419	2	11	31				
3118	Bakeries and tortilla manufacturing	1 676	37 399	1 034	1 762	23 769	95 893	44 931	142 556	9 626	5	6	78				
3119	Other food manufacturing ..	1 243	31 035	810	1 494	16 843	108 331	144 169	244 765	2 913	3	16	7				
315	Apparel manufacturing	1 009	21 726	779	1 693	14 078	38 176	33 235	71 975	237	6	15	26				
3152	Cut and sew apparel manufacturing	1 004	21 586	774	1 684	13 978	37 936	32 977	71 477	236	6	15	26				
323	Printing and related support activities	1 339	43 520	900	1 836	32 655	91 836	49 684	140 481	1 992	6	4	34				
3231	Printing and related support activities	1 339	43 520	900	1 836	32 655	91 836	49 684	140 481	1 992	6	4	34				
339	Miscellaneous manufacturing .	1 345	37 982	685	1 291	15 343	50 697	45 275	93 412	2 316	15	9	46				
3399	Other miscellaneous manufacturing	1 094	30 335	510	957	9 891	36 174	41 032	74 736	2 216	18	13	48				
	IDAHO																
31-33	Manufacturing	58 207	2 158 730	44 292	90 139	1 433 723	7 701 444	7 988 598	15 787 574	626 127	2	2	3				
311	Food manufacturing	16 460	474 925	14 061	28 355	376 597	1 901 443	3 534 318	5 410 090	136 532	8	7	9				
3113	Sugar and confectionery product manufacturing	1 651	59 610	1 388	3 106	46 588	288 249	302 287	586 088	17 416	1	1	33				
3114	Fruit and vegetable preserving and specialty food manufacturing	7 979	223 650	7 177	13 966	187 596	977 113	901 495	1 861 027	42 667	15	13	24				
3115	Dairy product manufacturing	1 662	56 144	1 382	2 691	43 306	233 192	895 288	1 124 348	62 913	1	5	6				
3116	Animal slaughtering and processing	2 929	74 328	2 569	5 517	58 999	175 221	1 103 004	1 277 488	5 721	1	2	8				
3119	Other food manufacturing ..	1 437	36 295	1 118	2 015	24 919	142 794	98 472	240 086	378	1	1	1				
321	Wood product manufacturing .	6 980	215 106	6 101	12 698	171 323	499 094	1 040 325	1 527 554	19 518	2	3	10				
3211	Sawmills and wood preservation	2 846	101 729	2 598	5 449	86 257	197 236	561 891	753 292	9 972	1	8	17				
3212	Veneer, plywood, and engineered wood product manufacturing	958	27 834	774	1 576	20 483	66 260	83 501	148 879	1 798	8	4	40				
3219	Other wood product manufacturing	3 176	85 543	2 729	5 672	64 584	235 598	394 933	625 382	7 748	2	1	10				
322	Paper manufacturing	1 925	97 346	1 566	3 328	71 436	243 856	407 486	660 961	6 136	1	1	2				
3222	Converted paper product manufacturing	g	D	D	D	D	D	D	D	D	S	S	S				
323	Printing and related support activities	1 905	54 238	1 072	1 949	31 432	144 498	84 160	215 741	6 463	4	21	50				
3231	Printing and related support activities	1 905	54 238	1 072	1 949	31 432	144 498	84 160	215 741	6 463	4	21	50				
325	Chemical manufacturing	1 727	80 091	767	1 880	43 515	380 351	368 862	759 115	20 587	6	10	4				
326	Plastics and rubber products manufacturing	1 694	38 968	1 375	2 377	26 134	116 088	88 386	205 586	11 003	18	13	41				
3261	Plastics product manufacturing	1 630	37 042	1 323	2 293	24 679	112 299	84 613	197 913	10 952	19	13	41				
327	Nonmetallic mineral product manufacturing	991	37 409	763	1 604	24 493	99 447	90 780	189 792	3 884	8	13	34				
332	Fabricated metal product manufacturing	3 180	115 841	2 508	4 766	76 754	251 189	136 231	390 315	9 899	3	5	28				
3329	Other fabricated metal product manufacturing	1 011	41 834	857	1 792	25 362	78 836	44 801	121 766	6 174	2	5	44				
333	Machinery manufacturing	3 162	114 424	1 977	3 696	53 278	242 195	212 952	446 676	13 670	18	18	30				
3331	Agriculture, construction, and mining machinery manufacturing	1 595	55 483	1 100	2 247	33 137	86 956	132 949	214 736	4 371	35	30	76				
334	Computer and electronic product manufacturing	13 512	728 808	9 344	20 175	435 016	3 328 832	1 582 977	5 038 544	374 417	1	1	1				
3341	Computer and peripheral equipment manufacturing .	1 483	82 020	376	650	11 893	191 650	379 994	571 307	D	1	1	S				
3344	Semiconductor and other electronic component manufacturing	11 320	616 572	8 559	18 653	410 989	3 078 343	1 130 223	4 331 933	D	1	1	S				
336	Transportation equipment manufacturing	1 540	49 724	1 190	2 174	34 133	134 042	147 183	282 707	2 845	6	20	24				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
IDAHO—Con.													
31-33	Manufacturing—Con.												
337	Furniture and related product manufacturing	1 926	51 023	1 390	3 083	35 215	107 288	85 434	198 672	12 880	8	14	58
3371	Household and institutional furniture and kitchen cabinet manufacturing	1 254	29 343	861	1 912	20 185	59 578	40 873	99 289	11 171	12	19	67
339	Miscellaneous manufacturing .	1 396	47 872	902	1 747	24 227	108 399	47 573	155 427	791	6	6	18
ILLINOIS													
31-33	Manufacturing	704 739	29 021 247	492 542	1 004 584	16 611 482	93 534 022	97 156 914	190 421 119	5 482 209	1	1	2
311	Food manufacturing	79 513	2 749 375	59 617	125 134	1 829 320	14 133 320	16 832 454	30 878 812	640 929	1	1	4
3111	Animal food manufacturing .	1 983	82 105	1 116	2 432	38 602	330 164	507 138	840 611	14 401	4	7	12
3112	Grain and oilseed milling ...	6 434	299 423	4 754	10 956	200 946	2 588 093	5 055 160	7 646 071	140 337	1	1	1
3113	Sugar and confectionery product manufacturing	10 177	357 865	7 840	15 810	261 186	2 074 597	996 543	3 069 191	106 345	1	2	9
3114	Fruit and vegetable preserving and specialty food manufacturing	7 098	226 909	5 483	11 395	144 322	1 146 364	758 239	1 875 122	38 503	8	3	11
3115	Dairy product manufacturing	4 192	178 750	2 932	6 901	115 655	752 074	1 311 006	2 059 662	44 170	1	2	13
3116	Animal slaughtering and processing	19 275	609 993	16 105	37 741	441 467	1 772 711	4 872 670	6 618 595	85 367	1	2	5
3118	Bakeries and tortilla manufacturing	18 615	574 891	12 538	22 932	365 060	3 543 818	1 283 735	4 810 027	109 392	3	5	16
3119	Other food manufacturing ..	11 463	408 432	8 668	16 598	258 274	1 892 630	1 896 354	3 775 137	101 771	3	1	12
312	Beverage and tobacco product manufacturing	3 259	129 458	1 549	3 223	62 492	1 686 909	703 390	2 345 058	41 003	2	1	15
3121	Beverage manufacturing ...	h	D	D	D	D	D	D	D	D	S	S	S
314	Textile product mills	4 102	103 546	3 317	6 655	71 155	210 648	219 312	427 501	D	3	5	S
3141	Textile furnishings mills	1 574	35 852	1 292	2 585	24 792	82 511	106 704	188 944	602	3	2	1
3149	Other textile product mills ..	2 528	67 695	2 025	4 070	46 363	128 137	112 608	238 556	D	4	8	S
315	Apparel manufacturing	5 772	143 218	4 365	8 254	81 710	305 492	278 712	607 951	7 155	3	4	13
3152	Cut and sew apparel manufacturing	4 526	108 342	3 535	6 698	66 165	274 293	171 749	445 239	6 908	4	5	13
3159	Apparel accessories and other apparel manufacturing	1 007	28 092	650	1 217	11 714	21 309	99 369	145 446	200	5	5	40
316	Leather and allied product manufacturing	2 359	50 346	2 012	3 756	33 132	143 615	123 873	263 024	2 860	12	8	19
3162	Footwear manufacturing ...	1 330	27 926	1 164	2 070	19 768	66 452	64 461	127 031	2 343	18	15	23
321	Wood product manufacturing .	8 494	260 192	6 688	14 229	177 223	668 075	667 760	1 339 837	29 633	3	8	32
3212	Veneer, plywood, and engineered wood product manufacturing	2 072	63 976	1 570	3 324	40 620	118 747	180 351	298 784	6 365	1	4	15
3219	Other wood product manufacturing	5 950	179 922	4 730	10 111	124 724	511 592	392 129	903 167	21 269	5	10	44
322	Paper manufacturing	23 440	936 986	18 003	37 686	587 495	2 277 039	2 959 233	5 227 167	137 907	7	5	23
3221	Pulp, paper, and paperboard mills	1 066	61 092	825	1 727	46 051	168 039	169 189	339 130	5 837	4	3	46
3222	Converted paper product manufacturing	22 374	875 894	17 179	35 958	541 444	2 109 000	2 790 044	4 888 036	132 070	8	5	24
323	Printing and related support activities	50 086	1 928 428	36 166	72 160	1 161 947	4 158 402	2 740 356	6 877 655	208 120	3	2	7
3231	Printing and related support activities	50 086	1 928 428	36 166	72 160	1 161 947	4 158 402	2 740 356	6 877 655	208 120	3	2	7
324	Petroleum and coal products manufacturing	5 291	329 137	3 362	6 789	184 522	2 406 785	11 704 406	14 036 216	592 797	2	4	1
3241	Petroleum and coal products manufacturing ...	5 291	329 137	3 362	6 789	184 522	2 406 785	11 704 406	14 036 216	592 797	2	4	1

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
ILLINOIS—Con.													
31-33	Manufacturing—Con.												
325	Chemical manufacturing	53 369	3 265 826	27 580	57 466	1 314 247	14 514 673	10 646 517	25 002 596	960 355	1	1	2
3251	Basic chemical manufacturing	6 393	360 116	4 052	8 256	213 013	2 082 155	2 035 415	4 178 894	127 252	3	3	2
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	3 617	200 022	2 621	5 498	127 730	1 336 460	1 514 169	2 883 508	101 704	1	2	16
3254	Pharmaceutical and medicine manufacturing . . .	23 486	1 759 564	8 812	18 478	521 594	6 191 604	2 692 339	8 648 079	507 087	1	1	2
3255	Paint, coating, and adhesive manufacturing	6 120	271 050	3 930	8 092	131 863	1 199 535	1 370 428	2 572 032	59 429	4	2	8
3256	Soap, cleaning compound, and toilet preparation manufacturing	8 275	402 249	4 942	10 232	192 482	2 278 668	1 511 549	3 761 980	124 759	5	2	9
3259	Other chemical product and preparation manufacturing	4 833	242 011	2 831	6 111	111 048	882 824	1 046 498	1 939 643	36 090	4	2	13
326	Plastics and rubber products manufacturing	60 946	2 218 736	47 081	101 787	1 456 473	6 446 360	5 840 404	12 275 741	494 569	1	1	14
3261	Plastics product manufacturing	53 053	1 881 947	41 186	88 617	1 224 314	5 394 002	4 928 182	10 280 832	445 294	1	2	15
3262	Rubber product manufacturing	7 893	336 789	5 895	13 170	232 159	1 052 358	912 223	1 994 909	49 275	5	1	8
327	Nonmetallic mineral product manufacturing	18 038	743 709	13 661	28 288	490 696	2 340 236	1 735 253	4 050 770	217 445	2	2	9
3271	Clay product and refractory manufacturing	1 517	56 097	1 201	2 451	39 508	138 865	161 051	302 199	4 103	10	8	10
3272	Glass and glass product manufacturing	3 409	124 004	2 767	5 421	86 051	450 289	361 297	808 605	47 716	3	2	15
3273	Cement and concrete product manufacturing	9 547	396 455	7 273	15 376	282 209	1 289 814	940 575	2 210 588	137 517	3	4	13
3279	Other nonmetallic mineral product manufacturing	3 200	152 345	2 123	4 460	72 945	416 680	235 616	652 543	25 750	3	4	10
331	Primary metal manufacturing .	26 563	1 135 453	20 595	42 687	772 406	3 102 802	3 582 005	6 739 865	152 442	1	2	8
3311	Iron and steel mills and ferroalloy manufacturing . .	6 184	261 095	5 059	8 812	204 733	935 530	698 891	1 682 759	23 345	1	1	8
3312	Steel product manufacturing from purchased steel	3 408	140 564	2 505	5 414	93 250	363 921	689 967	1 054 049	27 166	3	4	20
3313	Alumina and aluminum production and processing	1 681	63 897	1 350	2 845	44 143	203 405	486 329	688 674	6 026	4	2	1
3314	Nonferrous metal (except aluminum) production and processing	5 681	290 860	3 791	8 159	155 819	717 750	1 109 740	1 835 992	39 459	1	9	2
3315	Foundries	9 609	379 037	7 890	17 456	274 461	882 197	597 078	1 478 391	56 447	1	2	19
332	Fabricated metal product manufacturing	107 896	4 208 031	81 173	170 620	2 774 425	10 168 965	7 443 281	17 634 209	475 362	1	3	6
3321	Forging and stamping	14 887	573 323	11 514	24 251	388 391	1 392 457	1 133 765	2 513 398	77 276	2	16	10
3322	Cutlery and handtool manufacturing	5 012	186 195	3 665	7 642	114 155	442 341	246 759	695 143	15 032	2	3	9
3323	Architectural and structural metals manufacturing	15 778	560 028	11 142	22 614	349 668	1 324 196	1 126 248	2 493 401	42 661	4	5	11
3324	Boiler, tank, and shipping container manufacturing . .	6 654	267 704	5 187	12 305	193 799	763 806	875 342	1 639 927	43 117	1	2	4
3325	Hardware manufacturing . . .	5 076	189 606	3 700	6 841	115 282	585 139	370 927	961 545	14 646	1	1	20
3326	Spring and wire product manufacturing	5 910	214 583	4 506	9 751	132 864	462 235	335 640	791 622	17 437	2	3	16
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing . . .	27 450	1 123 211	20 953	44 647	768 913	2 306 169	1 291 141	3 588 827	144 611	3	3	14
3328	Coating, engraving, heat treating, and allied activities	10 594	378 820	8 230	17 304	254 578	859 607	533 157	1 397 868	26 964	3	5	11
3329	Other fabricated metal product manufacturing	16 534	714 560	12 277	25 264	456 775	2 033 014	1 530 302	3 552 479	93 619	2	1	13

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
ILLINOIS—Con.													
31-33	Manufacturing—Con.												
333	Machinery manufacturing	82 465	3 647 233	52 207	106 586	1 961 220	10 440 631	10 503 688	20 964 468	389 047	1	1	4
3331	Agriculture, construction, and mining machinery manufacturing	19 628	822 554	11 549	23 626	477 273	3 166 155	4 073 712	7 281 901	86 807	2	1	2
3332	Industrial machinery manufacturing	8 225	405 761	4 630	9 374	188 626	964 425	695 213	1 675 204	25 461	4	3	24
3333	Commercial and service industry machinery manufacturing	6 813	297 984	3 941	8 455	132 897	799 691	667 365	1 480 119	44 014	4	6	29
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	6 708	248 107	4 696	9 396	138 536	839 123	545 960	1 387 775	13 854	3	2	10
3335	Metalworking machinery manufacturing	13 572	624 608	9 375	19 407	376 280	1 140 103	631 802	1 764 898	57 620	2	3	9
3336	Engine, turbine, and power transmission equipment manufacturing	8 328	414 173	5 787	11 992	234 445	1 425 829	1 994 956	3 377 033	78 363	1	4	7
3339	Other general purpose machinery manufacturing	19 191	834 046	12 230	24 336	413 164	2 105 304	1 894 681	3 997 538	82 927	2	2	6
334	Computer and electronic product manufacturing	38 956	1 805 388	20 845	39 009	644 374	5 804 639	4 240 354	10 059 119	126 714	3	1	2
3341	Computer and peripheral equipment manufacturing	2 343	139 467	814	1 541	27 859	337 592	323 188	661 414	19 632	1	1	1
3342	Communications equipment manufacturing	10 885	546 144	4 693	9 750	165 359	2 393 777	1 706 791	4 127 973	37 932	2	1	1
3343	Audio and video equipment manufacturing	1 892	83 261	953	1 925	23 987	341 647	395 932	719 501	9 875	2	3	5
3344	Semiconductor and other electronic component manufacturing	9 063	319 139	6 403	11 996	165 723	639 463	478 951	1 119 604	26 178	10	9	11
3345	Navigational, measuring, electromedical, and control instruments manufacturing	12 464	642 454	6 228	10 278	212 516	1 885 876	1 214 114	3 106 738	32 338	6	1	4
3346	Manufacturing and reproducing magnetic and optical media	2 309	74 923	1 754	3 519	48 932	206 283	121 378	323 891	759	17	15	45
335	Electrical equipment, appliance, and component manufacturing	32 396	1 247 879	21 672	42 223	646 692	3 520 131	2 996 095	6 521 597	148 602	1	1	5
3351	Electric lighting equipment manufacturing	4 776	170 246	3 042	6 016	80 725	641 240	344 720	993 987	9 967	1	1	16
3352	Household appliance manufacturing	6 498	192 113	5 134	8 722	129 207	525 566	807 155	1 324 448	34 054	1	2	1
3353	Electrical equipment manufacturing	11 865	512 123	7 508	15 179	240 022	1 408 328	997 799	2 412 808	45 846	3	3	15
3359	Other electrical equipment and component manufacturing	9 257	373 397	5 989	12 306	196 739	944 997	846 422	1 790 354	58 735	1	2	4
336	Transportation equipment manufacturing	47 552	2 163 609	35 140	66 597	1 361 236	6 170 029	10 207 066	16 410 366	641 685	1	1	2
3361	Motor vehicle manufacturing	7 580	407 200	6 712	9 772	337 231	1 331 352	5 252 351	6 540 269	D	1	1	S
3362	Motor vehicle body and trailer manufacturing	2 837	100 220	2 049	4 036	65 373	250 735	285 913	533 053	6 049	3	1	2
3363	Motor vehicle parts manufacturing	26 511	1 065 711	20 585	40 770	703 846	3 003 045	3 175 352	6 218 459	180 796	1	1	6
3364	Aerospace product and parts manufacturing	5 221	326 288	2 474	5 166	118 435	973 016	554 101	1 533 579	25 219	2	1	15
3365	Railroad rolling stock manufacturing	3 522	205 568	2 011	4 349	98 864	499 545	709 760	1 241 897	11 009	1	2	13
3366	Ship and boat building	1 061	34 713	820	1 618	25 895	73 745	128 777	202 522	D	1	1	S
337	Furniture and related product manufacturing	20 557	655 011	15 853	29 794	400 192	1 502 634	1 443 983	2 942 772	58 099	3	5	24
3371	Household and institutional furniture and kitchen cabinet manufacturing	9 802	288 866	8 086	15 083	187 069	703 222	527 191	1 229 292	12 655	5	3	15
3372	Office furniture (including fixtures) manufacturing	8 588	300 264	6 256	12 411	178 544	615 071	707 615	1 315 250	39 094	5	11	35
3379	Other furniture related product manufacturing	2 167	65 880	1 511	2 300	34 579	184 340	209 177	398 230	6 350	2	3	38

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —			
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
														A
	ILLINOIS—Con.													
31-33	Manufacturing—Con.													
339	Miscellaneous manufacturing . . .	32 864	1 274 748	20 935	40 345	582 576	3 470 320	2 216 357	5 679 133	149 831	2	1	5	
3391	Medical equipment and supplies manufacturing . . .	8 832	340 330	5 888	11 768	162 714	810 207	404 237	1 212 851	41 471	2	2	17	
3399	Other miscellaneous manufacturing	24 032	934 418	15 047	28 577	419 862	2 660 113	1 812 120	4 466 283	108 360	2	1	3	
	INDIANA													
31-33	Manufacturing	536 413	22 484 126	407 958	839 530	15 219 438	80 988 082	86 426 954	167 436 762	4 745 752	1	1	2	
311	Food manufacturing	32 327	1 054 911	23 623	47 363	703 802	6 169 504	6 825 756	13 004 213	258 046	1	2	6	
3111	Animal food manufacturing . . .	1 498	60 758	954	1 977	31 437	374 595	511 302	881 283	15 431	10	26	11	
3112	Grain and oilseed milling . . .	2 917	135 881	2 146	4 864	94 637	1 325 769	1 969 282	3 291 133	66 577	1	1	1	
3113	Sugar and confectionery product manufacturing	1 412	43 480	1 094	2 202	29 570	104 581	172 579	271 182	10 296	1	2	2	
3114	Fruit and vegetable preserving and specialty food manufacturing	2 778	86 841	2 355	4 681	68 824	474 486	450 971	936 543	40 862	4	2	35	
3115	Dairy product manufacturing	2 943	116 735	2 224	4 378	79 274	923 631	986 362	1 893 121	40 498	1	3	10	
3116	Animal slaughtering and processing	8 214	210 279	6 926	15 094	163 099	727 617	1 364 572	2 089 129	15 276	1	1	7	
3118	Bakeries and tortilla manufacturing	7 382	221 642	4 391	7 596	130 707	1 263 887	627 125	1 918 480	30 193	5	1	15	
3119	Other food manufacturing . . .	5 183	179 294	3 533	6 571	106 253	974 938	743 564	1 723 342	38 913	2	2	11	
312	Beverage and tobacco product manufacturing	1 588	58 293	1 078	2 262	38 357	746 293	705 739	1 441 366	51 320	4	3	32	
3121	Beverage manufacturing . . .	1 546	57 534	1 044	2 200	37 914	743 014	705 179	1 437 550	51 320	4	3	32	
314	Textile product mills	2 672	69 767	2 231	4 388	50 991	125 096	128 845	256 953	1 744	11	8	16	
3149	Other textile product mills . .	1 764	52 887	1 531	3 144	37 312	89 667	89 113	179 897	1 071	15	7	1	
315	Apparel manufacturing	1 670	62 437	1 214	3 122	36 252	154 527	123 297	273 233	15 395	7	55	91	
3152	Cut and sew apparel manufacturing	1 603	36 045	1 324	2 528	23 383	59 269	75 251	134 019	771	6	14	28	
321	Wood product manufacturing . .	19 030	611 777	15 525	30 652	429 140	1 266 691	1 830 784	3 108 406	50 357	2	2	8	
3211	Sawmills and wood preservation	1 877	60 706	1 546	3 297	45 957	142 371	268 524	410 074	6 490	2	10	5	
3212	Veneer, plywood, and engineered wood product manufacturing	3 772	120 963	3 113	6 580	82 395	218 017	369 311	597 506	10 892	2	6	19	
3219	Other wood product manufacturing	13 381	430 109	10 867	20 775	300 788	906 302	1 192 949	2 100 827	32 974	3	2	10	
322	Paper manufacturing	11 910	467 931	9 251	19 379	311 548	1 429 904	1 685 230	3 119 318	49 522	2	3	11	
3221	Pulp, paper, and paperboard mills	1 106	54 137	896	1 951	40 445	242 575	160 026	402 885	9 594	1	1	1	
3222	Converted paper product manufacturing	10 804	413 794	8 355	17 428	271 103	1 187 329	1 525 204	2 716 433	39 928	3	3	13	
323	Printing and related support activities	17 429	628 236	12 967	24 052	397 666	1 478 454	991 808	2 473 314	94 343	3	4	30	
3231	Printing and related support activities	17 429	628 236	12 967	24 052	397 666	1 478 454	991 808	2 473 314	94 343	3	4	30	
324	Petroleum and coal products manufacturing	2 754	152 388	1 916	4 624	94 819	909 143	4 738 124	5 638 440	137 472	1	1	2	
3241	Petroleum and coal products manufacturing	2 754	152 388	1 916	4 624	94 819	909 143	4 738 124	5 638 440	137 472	1	1	2	
325	Chemical manufacturing	23 009	1 298 129	15 049	33 446	769 929	11 063 821	4 712 702	15 602 800	734 913	1	1	2	
3251	Basic chemical manufacturing	2 111	109 030	1 166	2 550	52 951	500 862	649 707	1 129 590	32 256	1	1	7	
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	3 162	162 885	2 292	5 011	118 336	774 374	770 273	1 476 703	158 636	3	2	9	
3254	Pharmaceutical and medicine manufacturing	10 287	686 758	6 512	15 567	410 996	8 358 365	1 857 035	10 137 385	469 931	2	1	1	
3255	Paint, coating, and adhesive manufacturing	2 188	90 783	1 331	2 731	44 860	231 012	245 371	476 566	11 412	3	9	44	
3256	Soap, cleaning compound, and toilet preparation manufacturing	2 288	120 817	1 653	3 424	73 958	789 627	483 001	1 266 613	37 870	3	2	12	
3259	Other chemical product and preparation manufacturing	2 823	122 805	2 003	4 015	66 134	391 330	674 055	1 064 510	23 023	6	7	7	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —					
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I			
		A	B	C	D	E					F	G	H	I	A	F
	INDIANA—Con.															
31-33	Manufacturing—Con.															
326	Plastics and rubber products manufacturing	45 851	1 561 708	36 773	76 085	1 105 342	4 242 356	3 722 903	7 915 780	291 188	3	2	4			
3261	Plastics product manufacturing	35 178	1 179 980	27 947	58 784	824 431	3 324 754	2 902 577	6 169 765	223 796	3	3	5			
3262	Rubber product manufacturing	10 673	381 728	8 826	17 301	280 911	917 602	820 327	1 746 015	67 392	1	1	6			
327	Nonmetallic mineral product manufacturing	16 256	642 863	13 029	28 187	475 838	1 946 412	1 461 569	3 413 637	162 407	2	1	13			
3271	Clay product and refractory manufacturing	1 316	46 337	1 099	2 225	35 356	116 388	65 834	182 265	1 107	1	1	24			
3272	Glass and glass product manufacturing	6 138	240 908	5 137	11 459	187 380	680 726	541 896	1 220 719	92 058	1	1	20			
3273	Cement and concrete product manufacturing	5 447	205 766	4 199	8 707	142 779	637 302	517 381	1 157 444	29 729	3	3	13			
3279	Other nonmetallic mineral product manufacturing	2 764	119 106	2 092	4 729	84 978	369 154	213 018	586 964	33 329	8	2	27			
331	Primary metal manufacturing .	49 575	2 499 015	39 183	86 211	1 889 182	7 095 490	11 292 185	18 505 566	433 055	1	1	1			
3311	Iron and steel mills and ferroalloy manufacturing ..	22 357	1 299 513	17 985	37 959	1 014 238	4 075 776	6 846 459	11 083 959	251 292	1	1	1			
3312	Steel product manufacturing from purchased steel	2 930	121 147	2 267	5 209	84 313	316 485	677 583	1 000 088	12 911	1	1	4			
3313	Alumina and aluminum production and processing	6 757	286 747	4 663	10 245	198 927	916 017	1 705 597	2 567 884	40 029	2	1	4			
3314	Nonferrous metal (except aluminum) production and processing	3 240	136 998	2 466	7 011	92 751	439 150	780 409	1 197 572	7 225	2	2	3			
3315	Foundries	14 291	654 610	11 802	25 786	498 953	1 348 062	1 282 137	2 656 064	121 598	1	1	3			
332	Fabricated metal product manufacturing	58 381	2 099 980	45 411	91 772	1 429 615	6 373 144	4 958 444	11 271 053	293 412	2	2	11			
3321	Forging and stamping.....	5 178	188 074	4 026	8 420	130 979	451 045	529 219	973 894	28 231	3	4	9			
3323	Architectural and structural metals manufacturing	12 045	427 723	9 012	18 209	279 684	1 134 730	1 220 132	2 299 189	46 212	3	9	27			
3324	Boiler, tank, and shipping container manufacturing ..	2 174	84 837	1 719	3 428	60 462	317 958	414 337	733 062	9 717	12	2	23			
3325	Hardware manufacturing ...	4 065	128 933	3 146	6 473	89 227	628 880	284 335	921 900	13 465	1	1	5			
3326	Spring and wire product manufacturing	3 539	97 103	2 935	5 805	69 279	275 859	250 290	526 069	7 582	3	9	16			
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	12 334	476 573	9 757	19 660	337 856	965 268	557 017	1 510 980	64 664	3	3	21			
3328	Coating, engraving, heat treating, and allied activities	6 506	253 437	4 913	10 306	169 507	1 085 378	445 928	1 543 357	41 795	3	1	19			
3329	Other fabricated metal product manufacturing	11 758	417 632	9 307	18 252	276 176	1 459 083	1 208 811	2 658 351	80 937	10	4	31			
333	Machinery manufacturing	37 676	1 577 090	26 530	52 464	963 778	3 947 698	5 938 458	9 955 327	293 094	1	2	4			
3331	Agriculture, construction, and mining machinery manufacturing	3 524	126 097	2 185	4 852	66 654	258 734	361 080	625 713	5 358	6	12	32			
3332	Industrial machinery manufacturing	2 895	123 677	1 811	3 747	64 577	254 954	209 329	464 435	14 304	4	8	9			
3333	Commercial and service industry machinery manufacturing	2 178	88 218	1 458	3 070	45 497	234 272	189 908	421 591	5 977	1	1	18			
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	6 453	242 390	5 048	8 957	163 678	921 471	770 380	1 729 396	35 203	2	1	5			
3335	Metalworking machinery manufacturing	6 965	308 714	5 096	10 192	199 636	588 273	239 934	804 275	20 655	3	3	14			
3336	Engine, turbine, and power transmission equipment manufacturing	7 264	337 001	5 433	10 318	228 193	820 917	2 985 330	3 843 152	177 175	3	5	6			
3339	Other general purpose machinery manufacturing .	8 399	350 993	5 499	11 327	195 543	869 076	1 182 497	2 066 765	34 422	2	3	7			

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	INDIANA—Con.																
31-33	Manufacturing—Con.																
334	Computer and electronic product manufacturing	17 471	770 443	11 101	21 435	351 293	2 016 084	1 842 577	3 896 308	103 683	D	2	1	7			
3342	Communications equipment manufacturing	2 732	157 160	1 306	2 780	49 831	347 725	434 298	825 712	9 083	D	1	1	1			
3344	Semiconductor and other electronic component manufacturing	5 759	209 274	4 147	8 120	119 832	425 471	557 096	993 900	22 513	D	1	1	7			
3345	Navigational, measuring, electromedical, and control instruments manufacturing	6 002	272 558	3 476	7 261	117 473	652 718	425 873	1 075 045	22 303	D	1	4	22			
3346	Manufacturing and reproducing magnetic and optical media	1 829	68 817	1 477	1 777	47 637	384 809	156 968	542 526		D	1	1	S			
335	Electrical equipment, appliance, and component manufacturing	13 120	525 841	10 309	20 258	361 076	1 214 129	1 355 885	2 605 894	56 396	D	1	3	7			
3352	Household appliance manufacturing	4 395	194 333	3 746	6 858	156 791	423 323	573 639	1 019 712		D	3	3	S			
3353	Electrical equipment manufacturing	4 176	164 635	3 105	6 319	98 560	325 808	376 111	707 900	10 521	D	2	4	28			
3359	Other electrical equipment and component manufacturing	3 619	137 503	2 770	5 694	89 218	409 689	361 755	778 567	15 895	D	3	9	18			
336	Transportation equipment manufacturing	134 125	6 641 640	103 099	212 769	4 704 473	24 002 664	30 538 617	54 651 140	1 497 607	D	2	2	3			
3361	Motor vehicle manufacturing	12 575	783 972	10 936	21 018	652 079	8 367 861	11 800 239	20 164 608	234 294	D	1	1	1			
3362	Motor vehicle body and trailer manufacturing	31 254	1 208 610	25 133	50 242	874 899	2 639 045	5 208 102	7 864 342	65 919	D	2	1	8			
3363	Motor vehicle parts manufacturing	78 215	3 979 763	59 752	127 859	2 853 687	11 082 832	12 288 942	23 448 902	1 139 009	D	3	4	4			
3364	Aerospace product and parts manufacturing	6 533	470 082	3 186	6 285	200 824	1 465 161	593 301	2 110 265	43 579	D	1	1	14			
3365	Railroad rolling stock manufacturing	1 030	51 756	591	1 086	22 068	105 568	125 890	197 929		D	1	1	S			
3366	Ship and boat building	3 498	115 940	2 758	4 821	84 317	264 630	409 960	674 591	11 678	D	1	4	21			
3369	Other transportation equipment manufacturing	1 020	31 518	743	1 458	16 599	77 566	112 183	190 504		D	6	5	S			
337	Furniture and related product manufacturing	25 932	791 575	21 048	45 490	564 818	2 219 059	1 867 986	4 102 094	63 351	D	2	2	6			
3371	Household and institutional furniture and kitchen cabinet manufacturing	14 675	439 477	12 104	25 357	322 400	1 301 566	1 202 146	2 515 099	37 547	D	3	2	5			
3372	Office furniture (including fixtures) manufacturing	9 151	297 739	7 264	16 642	208 626	791 571	534 350	1 329 577	21 858	D	3	2	7			
3379	Other furniture related product manufacturing	2 106	54 358	1 680	3 492	33 792	125 922	131 489	257 418	3 946	D	14	8	79			
339	Miscellaneous manufacturing	24 761	949 283	17 925	34 391	527 578	4 508 974	1 661 636	6 089 321	157 456	D	1	1	5			
3391	Medical equipment and supplies manufacturing	13 541	578 733	8 989	18 327	287 380	3 612 514	1 042 097	4 561 252	111 227	D	1	1	6			
3399	Other miscellaneous manufacturing	11 220	370 549	8 936	16 065	240 199	896 459	619 538	1 528 069	46 229	D	2	2	10			
	IOWA																
31-33	Manufacturing	217 838	8 183 425	158 392	322 790	5 148 153	32 738 826	37 635 286	70 322 672	1 544 732		1	1	2			
311	Food manufacturing	47 943	1 648 552	38 029	83 586	1 171 223	9 519 068	15 285 543	24 818 361	566 047	D	2	2	2			
3111	Animal food manufacturing	2 768	129 568	1 739	3 983	71 439	1 147 862	1 198 101	2 347 956	42 080	D	1	1	5			
3112	Grain and oilseed milling	6 163	344 643	4 411	10 306	221 628	3 684 516	5 428 861	9 144 476	279 397	D	1	2	1			
3114	Fruit and vegetable preserving and specialty food manufacturing	2 145	65 553	1 906	3 710	52 899	419 496	357 917	777 473	26 697	D	1	1	16			
3115	Dairy product manufacturing	4 137	148 872	3 084	6 752	108 107	619 687	1 082 122	1 733 343	73 521	D	12	18	12			
3116	Animal slaughtering and processing	27 254	771 242	23 644	52 400	622 269	2 323 450	6 285 601	8 557 640	97 424	D	2	5	8			
3118	Bakeries and tortilla manufacturing	2 481	70 620	1 311	2 419	34 614	505 538	119 134	626 278		D	1	3	S			
3119	Other food manufacturing	2 394	99 275	1 465	3 112	47 199	762 711	613 063	1 373 019	28 788	D	29	3	15			
312	Beverage and tobacco product manufacturing	1 695	59 000	479	725	13 933	268 160	258 484	525 683		D	1	1	S			
3121	Beverage manufacturing	1 695	59 000	479	725	13 933	268 160	258 484	525 683		D	1	1	S			
314	Textile product mills	1 205	38 109	858	1 493	18 274	83 411	103 831	189 091	4 485	D	10	9	7			

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
		A	B	C	D	E					F	G	H	I
	IOWA—Con.													
31-33	Manufacturing—Con.													
315	Apparel manufacturing	2 079	46 756	1 509	2 747	26 754	103 500	88 337	190 884	1 372	4	2	1	
3152	Cut and sew apparel manufacturing	1 015	17 763	873	1 567	13 906	37 381	25 142	62 175	D	8	5	S	
321	Wood product manufacturing .	10 579	366 777	8 490	18 172	250 173	885 661	664 486	1 550 634	84 771	4	5	7	
3219	Other wood product manufacturing	9 229	322 284	7 464	16 029	222 186	785 909	559 171	1 348 629	78 554	5	5	7	
322	Paper manufacturing	3 899	152 199	3 119	6 181	105 760	797 084	596 761	1 393 414	41 495	2	1	8	
3222	Converted paper product manufacturing	3 605	139 824	2 882	5 824	98 620	727 005	535 480	1 262 293	41 176	2	1	8	
323	Printing and related support activities	8 462	287 873	6 188	11 346	191 614	721 644	470 043	1 192 443	44 065	2	2	26	
3231	Printing and related support activities	8 462	287 873	6 188	11 346	191 614	721 644	470 043	1 192 443	44 065	2	2	26	
325	Chemical manufacturing	5 966	278 609	3 852	8 112	157 007	4 555 909	3 928 305	8 483 273	87 938	4	1	8	
3254	Pharmaceutical and medicine manufacturing...	2 228	90 403	1 181	2 730	39 215	498 666	308 118	813 180	18 304	1	3	29	
326	Plastics and rubber products manufacturing	15 100	518 680	12 326	25 002	383 408	1 341 726	1 440 806	2 755 351	92 180	1	1	4	
3261	Plastics product manufacturing	11 130	359 934	9 128	18 716	261 732	959 543	994 839	1 938 621	75 851	1	1	5	
3262	Rubber product manufacturing	3 970	158 746	3 198	6 287	121 676	382 183	445 966	816 730	16 329	1	1	1	
327	Nonmetallic mineral product manufacturing	6 591	246 708	5 413	11 214	189 120	1 096 818	631 690	1 733 568	42 056	2	1	6	
3272	Glass and glass product manufacturing	1 030	35 089	891	1 737	27 105	148 171	120 886	270 546	D	1	1	S	
3273	Cement and concrete product manufacturing	3 879	142 003	3 130	6 499	108 810	441 905	323 817	769 268	19 951	3	2	12	
331	Primary metal manufacturing .	8 956	367 257	6 403	13 673	269 908	893 500	1 606 857	2 494 496	67 355	1	1	5	
3313	Alumina and aluminum production and processing	h	D	D	D	D	D	D	D	D	S	S	S	
3315	Foundries	3 980	145 145	3 215	6 701	105 434	356 817	234 936	594 406	13 624	2	2	19	
332	Fabricated metal product manufacturing	21 622	765 190	15 975	32 044	491 188	1 899 387	1 443 814	3 346 699	75 780	5	3	12	
3321	Forging and stamping.....	1 326	45 586	1 083	2 393	33 517	133 928	82 191	217 738	8 796	7	6	13	
3323	Architectural and structural metals manufacturing	5 603	190 062	3 891	7 295	110 063	487 167	461 809	950 012	15 529	4	4	24	
3324	Boiler, tank, and shipping container manufacturing ..	1 321	58 605	1 115	2 613	42 241	272 718	210 956	476 889	8 584	3	3	22	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	5 643	201 362	4 588	9 277	146 876	356 136	228 172	584 877	27 177	17	15	29	
3329	Other fabricated metal product manufacturing	5 174	191 162	3 304	6 600	107 623	461 862	319 728	791 401	14 554	1	1	4	
333	Machinery manufacturing	31 699	1 374 196	21 028	40 488	782 209	4 975 471	6 012 505	10 989 049	151 098	2	1	8	
3331	Agriculture, construction, and mining machinery manufacturing	15 723	731 729	10 621	20 398	448 760	3 379 340	4 176 717	7 557 116	96 598	4	2	12	
3332	Industrial machinery manufacturing	1 620	73 424	910	1 717	31 416	162 377	120 480	283 024	D	2	2	S	
3333	Commercial and service industry machinery manufacturing	2 347	89 882	1 385	2 684	36 599	199 021	206 841	400 391	7 186	1	1	7	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	2 913	106 211	2 279	4 576	74 577	440 446	481 587	924 011	11 762	1	1	1	
3335	Metalworking machinery manufacturing	1 729	70 703	1 186	2 079	42 930	141 855	66 650	210 347	6 411	2	3	26	
3336	Engine, turbine, and power transmission equipment manufacturing	1 350	75 380	692	1 458	30 692	120 604	454 847	574 138	D	1	1	S	
3339	Other general purpose machinery manufacturing .	6 017	226 867	3 955	7 576	117 237	531 827	505 383	1 040 021	20 261	2	1	12	
334	Computer and electronic product manufacturing	11 310	557 118	3 520	6 299	127 444	1 438 451	580 788	1 995 885	55 223	1	2	5	
3342	Communications equipment manufacturing	1 424	58 402	713	1 350	21 550	141 580	190 726	333 715	10 666	2	2	1	
3345	Navigational, measuring, electromedical, and control instruments manufacturing	9 380	477 027	2 447	3 524	92 986	1 223 006	348 523	1 573 803	43 166	1	1	6	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I			
		A	B	C	D	E					F	G	H	I	A	F
	IOWA—Con.															
31-33	Manufacturing—Con.															
335	Electrical equipment, appliance, and component manufacturing	11 730	453 637	8 572	16 004	289 958	1 409 296	1 662 806	3 095 415	83 049	1	1	2			
3352	Household appliance manufacturing	i	D	D	D	D	D	D	D	D	S	S	S			
3353	Electrical equipment manufacturing	1 819	93 357	1 151	2 412	63 575	235 402	255 749	496 580	14 173	8	3	2			
3359	Other electrical equipment and component manufacturing	1 028	34 054	755	1 652	27 306	82 498	139 539	218 997	D	10	2	S			
336	Transportation equipment manufacturing	15 479	548 995	11 966	22 516	353 173	1 449 501	1 904 125	3 312 574	88 263	4	3	14			
3362	Motor vehicle body and trailer manufacturing	7 855	262 008	6 133	11 328	158 897	576 046	906 559	1 455 199	31 635	1	4	6			
3363	Motor vehicle parts manufacturing	6 342	238 489	4 862	9 422	164 026	827 926	678 199	1 510 804	51 077	10	5	24			
337	Furniture and related product manufacturing	8 091	281 247	6 623	14 834	209 725	849 364	602 692	1 450 314	26 995	2	1	4			
3371	Household and institutional furniture and kitchen cabinet manufacturing	5 249	168 580	4 374	9 469	126 456	346 041	280 044	626 122	20 241	3	3	5			
3372	Office furniture (including fixtures) manufacturing	2 612	104 529	2 089	5 056	78 478	476 419	301 381	776 171	D	1	1	S			
339	Miscellaneous manufacturing	5 173	176 105	3 864	7 983	107 364	359 339	254 167	616 970	18 294	11	14	10			
3391	Medical equipment and supplies manufacturing	1 698	53 185	1 313	2 237	32 359	116 874	64 130	178 475	3 503	13	2	31			
3399	Other miscellaneous manufacturing	3 474	122 920	2 551	5 746	75 006	242 465	190 037	438 495	14 791	15	20	10			
	KANSAS															
31-33	Manufacturing	167 731	6 702 392	116 569	236 718	3 988 407	20 428 603	29 607 163	50 368 460	1 287 451	1	1	9			
311	Food manufacturing	31 339	938 757	25 300	52 931	681 013	3 874 351	10 618 952	14 438 362	240 882	3	1	2			
3111	Animal food manufacturing	2 195	88 289	1 632	2 972	58 082	438 082	610 699	1 041 776	31 140	11	2	12			
3112	Grain and oilseed milling	1 773	69 750	1 283	2 685	42 431	378 388	984 143	1 345 912	44 845	1	1	5			
3113	Sugar and confectionery product manufacturing	1 655	34 749	1 356	2 392	25 583	97 685	81 414	165 018	D	31	17	S			
3114	Fruit and vegetable preserving and specialty food manufacturing	1 638	42 180	1 544	3 296	34 512	251 269	151 032	402 377	D	34	1	S			
3116	Animal slaughtering and processing	17 840	489 015	15 941	34 745	413 204	1 548 687	8 113 341	9 643 180	110 103	1	1	1			
3118	Bakeries and tortilla manufacturing	3 150	105 114	1 485	2 772	48 338	600 400	210 345	811 584	7 852	3	1	2			
3119	Other food manufacturing	2 781	99 157	1 851	3 618	52 144	526 571	380 733	908 101	27 092	10	5	3			
321	Wood product manufacturing	1 993	49 839	1 534	2 476	31 661	86 506	120 521	207 969	5 922	5	11	31			
3219	Other wood product manufacturing	1 716	41 965	1 309	2 030	26 115	68 860	97 133	167 065	5 336	6	14	34			
322	Paper manufacturing	2 764	104 189	1 976	4 277	72 044	237 715	335 241	573 116	11 496	2	2	15			
3222	Converted paper product manufacturing	2 352	83 799	1 681	3 629	57 523	185 342	279 465	465 400	7 253	2	2	15			
323	Printing and related support activities	10 825	359 299	7 754	13 580	214 179	823 685	628 665	1 450 776	31 524	3	2	8			
3231	Printing and related support activities	10 825	359 299	7 754	13 580	214 179	823 685	628 665	1 450 776	31 524	3	2	8			
324	Petroleum and coal products manufacturing	1 863	113 946	1 084	2 264	71 144	518 339	3 596 808	4 117 475	183 336	6	9	64			
3241	Petroleum and coal products manufacturing	1 863	113 946	1 084	2 264	71 144	518 339	3 596 808	4 117 475	183 336	6	9	64			
325	Chemical manufacturing	6 556	321 869	4 088	8 612	165 747	2 004 255	1 506 041	3 546 081	116 639	1	1	6			
3251	Basic chemical manufacturing	1 143	61 092	894	1 645	35 388	309 139	372 128	668 862	33 951	2	5	22			
3254	Pharmaceutical and medicine manufacturing	2 504	120 372	1 299	2 530	50 533	747 407	226 711	1 007 329	29 554	1	1	1			
3259	Other chemical product and preparation manufacturing	1 361	60 025	831	1 904	29 825	314 075	207 725	524 877	11 485	2	2	12			
326	Plastics and rubber products manufacturing	11 800	423 970	9 840	20 819	314 958	1 315 556	1 323 759	2 646 185	109 860	2	1	9			
3261	Plastics product manufacturing	8 992	290 772	7 364	15 754	200 757	1 061 035	1 048 777	2 122 999	94 316	3	1	5			
3262	Rubber product manufacturing	2 808	133 199	2 476	5 065	114 202	254 521	274 982	523 187	15 544	2	1	58			

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	KANSAS—Con.																
31-33	Manufacturing—Con.																
327	Nonmetallic mineral product manufacturing	5 420	214 647	4 456	9 062	161 268	830 773	519 214	1 361 617	39 328	3	2	8				
3273	Cement and concrete product manufacturing	2 717	100 914	2 232	4 551	73 083	318 480	259 356	583 560	12 131	6	4	23				
3279	Other nonmetallic mineral product manufacturing	1 479	71 461	1 279	2 661	58 456	333 397	163 033	498 894	22 054	1	1	1				
331	Primary metal manufacturing .	2 039	70 149	1 615	3 197	53 849	174 679	166 221	340 075	4 802	6	5	13				
3315	Foundries	1 640	54 539	1 352	2 730	44 762	127 193	73 458	201 694	2 735	1	6	4				
332	Fabricated metal product manufacturing	12 811	439 787	9 315	19 100	274 123	1 079 422	951 903	2 022 490	53 681	3	2	15				
3323	Architectural and structural metals manufacturing	5 253	168 465	3 978	8 051	107 749	476 498	468 573	934 794	23 908	3	2	14				
3324	Boiler, tank, and shipping container manufacturing ..	980	42 622	658	1 752	26 172	108 633	126 646	236 757	6 203	13	4	56				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	3 543	123 040	2 533	4 858	77 205	248 777	180 801	430 454	17 237	7	6	37				
3329	Other fabricated metal product manufacturing	1 298	46 773	861	1 821	25 233	115 555	77 991	195 101	3 364	2	7	54				
333	Machinery manufacturing	17 006	673 115	11 012	21 878	356 768	1 933 693	1 782 189	3 721 155	60 171	2	6	10				
3331	Agriculture, construction, and mining machinery manufacturing	7 027	267 490	4 769	9 710	153 142	823 800	865 824	1 660 675	27 514	4	3	17				
3332	Industrial machinery manufacturing	1 453	70 020	670	1 266	22 365	154 874	128 339	280 615	1 582	4	4	13				
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	2 489	82 520	1 523	2 803	41 292	393 847	312 950	708 083	9 207	4	28	4				
3339	Other general purpose machinery manufacturing .	3 874	152 782	2 540	5 354	79 819	370 325	285 236	649 677	13 443	3	3	24				
334	Computer and electronic product manufacturing	6 100	277 736	3 154	7 069	100 418	810 608	801 510	1 605 796	69 628	1	3	20				
3341	Computer and peripheral equipment manufacturing .	1 080	72 319	351	748	15 857	230 771	293 319	523 527	27 137	5	10	52				
3344	Semiconductor and other electronic component manufacturing	1 069	35 001	772	1 428	16 551	83 751	50 922	134 541	D	1	2	S				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	3 085	145 782	1 488	4 031	57 967	423 668	385 196	801 935	D	1	2	S				
335	Electrical equipment, appliance, and component manufacturing	3 902	150 849	2 766	5 492	95 708	400 764	453 577	850 153	27 162	1	4	25				
3359	Other electrical equipment and component manufacturing	2 040	82 581	1 470	3 061	53 444	176 155	339 059	519 507	9 640	1	6	33				
336	Transportation equipment manufacturing	40 915	2 205 062	23 602	49 510	1 177 048	5 488 266	6 086 287	11 928 248	301 188	1	1	3				
3361	Motor vehicle manufacturing	g	D	D	D	D	D	D	D	D	S	S	S				
3362	Motor vehicle body and trailer manufacturing	2 680	82 332	2 187	4 402	57 717	138 532	311 136	447 532	D	10	4	S				
3363	Motor vehicle parts manufacturing	2 982	105 175	2 356	4 844	75 851	272 130	378 552	662 414	30 073	3	2	8				
3364	Aerospace product and parts manufacturing	32 522	1 823 895	16 712	34 958	877 507	4 906 015	3 998 548	9 250 903	203 233	1	1	2				
337	Furniture and related product manufacturing	5 236	146 000	4 240	8 081	100 570	333 889	203 633	532 890	16 546	5	6	40				
3371	Household and institutional furniture and kitchen cabinet manufacturing	3 899	100 745	3 211	5 984	72 475	232 520	134 601	363 284	14 837	4	7	45				
339	Miscellaneous manufacturing .	4 781	148 322	3 240	6 135	81 811	350 044	211 561	558 890	7 956	1	2	24				
3391	Medical equipment and supplies manufacturing ...	1 618	58 527	1 117	2 227	30 461	142 836	57 244	199 661	2 103	1	1	37				
3399	Other miscellaneous manufacturing	3 163	89 796	2 123	3 908	51 350	207 208	154 317	359 229	5 853	1	3	29				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	KENTUCKY																
31-33	Manufacturing	251 650	10 108 186	192 276	392 083	6 824 985	35 562 332	54 277 634	89 651 520	2 598 770	1	1	8				
311	Food manufacturing	23 815	727 740	18 519	37 799	509 999	3 520 681	3 609 145	7 103 455	193 708	1	3	17				
3114	Fruit and vegetable preserving and specialty food manufacturing	3 729	129 234	3 100	6 465	102 119	699 857	558 041	1 259 519	31 489	1	1	10				
3115	Dairy product manufacturing	2 187	69 772	1 158	2 466	39 708	260 186	458 072	716 296	46 127	5	7	69				
3116	Animal slaughtering and processing	9 208	229 872	7 784	16 770	178 139	852 195	855 192	1 697 373	32 011	1	2	12				
3118	Bakeries and tortilla manufacturing	5 011	152 646	3 866	6 844	103 726	624 454	476 831	1 105 526	33 321	3	15	12				
3119	Other food manufacturing ..	2 014	81 139	1 445	2 823	48 092	550 070	461 635	1 010 038	11 704	3	2	9				
312	Beverage and tobacco product manufacturing	4 195	180 147	2 325	5 024	81 644	1 118 446	827 062	1 923 979	55 609	5	4	11				
3121	Beverage manufacturing ...	3 093	129 119	1 615	3 527	57 842	717 657	649 307	1 345 931	48 970	6	4	12				
3122	Tobacco manufacturing	1 102	51 028	710	1 497	23 802	400 789	177 755	578 048	6 639	1	10	3				
313	Textile mills	1 832	45 262	1 614	3 002	33 711	94 121	187 235	305 198	D	3	2	S				
3132	Fabric mills	1 386	36 052	1 236	2 233	26 999	78 295	158 907	260 676	D	3	2	S				
314	Textile product mills	2 157	48 278	1 749	3 315	36 644	142 204	108 999	241 910	D	5	5	S				
3141	Textile furnishings mills	1 543	35 832	1 213	2 194	27 964	118 560	75 196	191 060	D	5	3	S				
315	Apparel manufacturing	7 478	131 243	6 755	11 954	109 696	588 064	512 806	1 112 062	D	6	5	S				
3152	Cut and sew apparel manufacturing	6 856	116 484	6 259	10 968	98 933	570 308	486 048	1 065 555	D	7	5	S				
321	Wood product manufacturing .	11 002	280 114	9 498	20 273	214 666	698 151	908 539	1 590 904	62 001	3	6	17				
3211	Sawmills and wood preservation	2 679	75 481	2 366	5 010	60 926	205 358	354 180	555 226	18 627	7	5	21				
3212	Veneer, plywood, and engineered wood product manufacturing	1 499	41 203	1 173	3 872	30 119	75 813	125 682	198 671	10 374	6	5	16				
3219	Other wood product manufacturing	6 824	163 430	5 959	11 391	123 621	416 981	428 677	837 007	32 999	4	10	30				
322	Paper manufacturing	10 512	434 034	8 092	16 590	297 264	1 907 730	2 239 601	4 219 008	73 742	1	3	4				
3221	Pulp, paper, and paperboard mills	1 615	96 698	1 249	2 439	74 903	707 823	625 377	1 334 631	23 763	1	1	1				
3222	Converted paper product manufacturing	8 897	337 336	6 843	14 151	222 361	1 199 907	1 614 224	2 884 377	49 979	1	4	6				
323	Printing and related support activities	12 331	464 723	9 559	19 945	326 037	981 799	651 836	1 638 211	67 122	3	2	7				
3231	Printing and related support activities	12 331	464 723	9 559	19 945	326 037	981 799	651 836	1 638 211	67 122	3	2	7				
324	Petroleum and coal products manufacturing	1 315	86 100	803	1 791	52 826	449 114	2 781 541	3 238 765	D	1	1	S				
3241	Petroleum and coal products manufacturing ...	1 315	86 100	803	1 791	52 826	449 114	2 781 541	3 238 765	D	1	1	S				
325	Chemical manufacturing	12 535	696 970	8 398	17 197	434 159	3 450 665	3 887 500	7 305 454	235 697	5	3	3				
3251	Basic chemical manufacturing	5 156	309 608	3 325	7 116	188 736	1 400 060	1 398 422	2 752 729	129 489	6	5	3				
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	3 085	207 236	2 078	4 641	134 443	1 067 705	1 602 755	2 655 260	66 230	1	1	4				
3255	Paint, coating, and adhesive manufacturing	1 761	72 240	1 197	2 262	41 596	617 655	421 959	1 037 783	14 907	11	8	19				
3256	Soap, cleaning compound, and toilet preparation manufacturing	1 457	55 025	925	1 312	32 338	216 227	288 688	498 528	12 451	2	1	22				
326	Plastics and rubber products manufacturing	19 015	609 564	15 231	30 838	425 710	1 936 284	1 794 235	3 704 107	133 940	1	1	5				
3261	Plastics product manufacturing	15 451	491 882	12 574	25 568	343 877	1 559 529	1 498 292	3 045 604	117 677	2	1	5				
3262	Rubber product manufacturing	3 564	117 682	2 657	5 270	81 833	376 755	295 943	658 503	16 263	3	2	12				
327	Nonmetallic mineral product manufacturing	10 095	357 513	8 216	17 302	267 745	1 120 300	1 039 866	2 158 589	156 416	2	6	23				
3271	Clay product and refractory manufacturing	1 474	46 588	1 200	2 358	34 220	128 461	89 708	220 426	5 568	1	2	24				
3272	Glass and glass product manufacturing	3 867	148 147	3 262	6 898	110 315	533 913	511 230	1 043 982	73 635	5	9	2				
3273	Cement and concrete product manufacturing	3 041	96 074	2 340	5 011	74 000	312 813	244 195	554 037	69 103	3	12	51				
3279	Other nonmetallic mineral product manufacturing	1 010	34 919	797	1 587	23 355	80 490	74 338	154 622	882	1	1	71				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	KENTUCKY—Con.																
31-33	Manufacturing—Con.																
331	Primary metal manufacturing .	13 758	606 761	11 064	23 290	450 777	3 130 107	3 305 603	6 392 633	112 053	3	2	2				
3311	Iron and steel mills and ferroalloy manufacturing ..	2 030	108 450	1 669	3 694	87 021	771 160	350 735	1 127 174	11 160	16	7	1				
3313	Alumina and aluminum production and processing	5 572	259 226	4 240	9 032	177 079	1 679 342	1 838 550	3 473 770	67 862	2	1	1				
3314	Nonferrous metal (except aluminum) production and processing	1 178	50 133	954	1 982	37 860	171 225	274 390	434 728	5 189	1	1	1				
3315	Foundries	4 062	156 167	3 488	6 966	123 994	416 684	632 770	1 052 596	21 406	1	2	8				
332	Fabricated metal product manufacturing	23 801	882 077	17 637	37 146	557 926	2 393 603	2 868 227	5 280 430	317 345	2	4	4				
3321	Forging and stamping.....	3 152	121 195	2 436	5 342	82 850	294 933	357 952	655 054	18 480	2	1	20				
3323	Architectural and structural metals manufacturing	3 078	111 997	2 124	5 055	66 367	160 315	222 612	440 276	10 992	10	58	13				
3324	Boiler, tank, and shipping container manufacturing ..	1 246	48 069	729	1 441	23 717	142 880	118 701	261 086	14 033	11	7	53				
3325	Hardware manufacturing ...	2 054	69 873	1 572	2 943	43 360	214 157	253 448	465 353	D	2	3	S				
3326	Spring and wire product manufacturing	2 068	77 385	1 543	2 984	48 862	220 772	182 886	398 551	13 392	1	1	4				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	5 171	168 995	3 893	6 888	109 174	402 581	224 685	632 711	29 520	8	11	24				
3328	Coating, engraving, heat treating, and allied activities	2 061	90 228	1 621	3 471	61 394	284 138	769 230	1 018 956	D	3	1	S				
3329	Other fabricated metal product manufacturing	4 134	161 402	3 104	7 776	102 830	608 265	696 534	1 300 385	23 205	1	1	20				
333	Machinery manufacturing	17 909	693 033	12 041	23 264	389 963	1 553 907	2 118 513	3 676 701	72 278	1	1	15				
3331	Agriculture, construction, and mining machinery manufacturing	1 589	55 011	1 116	1 764	29 921	127 584	224 763	348 863	3 446	1	1	1				
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	4 752	150 114	3 588	6 766	91 189	459 165	358 150	812 031	8 956	1	1	9				
3335	Metalworking machinery manufacturing	2 986	120 277	1 703	3 180	60 890	271 938	347 431	621 199	22 483	2	1	40				
3336	Engine, turbine, and power transmission equipment manufacturing	1 743	73 247	1 493	2 741	49 124	158 499	266 127	429 326	7 166	5	4	1				
3339	Other general purpose machinery manufacturing .	5 409	244 635	3 221	6 895	131 795	408 012	811 878	1 234 315	22 208	1	3	11				
334	Computer and electronic product manufacturing	7 200	543 079	1 788	3 512	48 687	1 381 673	1 840 377	3 068 584	38 679	1	4	10				
3341	Computer and peripheral equipment manufacturing .	h	D	D	D	D	D	D	D	D	S	S	S				
3344	Semiconductor and other electronic component manufacturing	1 016	33 528	653	1 367	17 587	69 333	78 560	145 952	6 060	3	5	62				
335	Electrical equipment, appliance, and component manufacturing	12 147	461 143	9 719	17 879	323 728	1 516 082	1 533 376	3 063 804	61 485	1	1	9				
3351	Electric lighting equipment manufacturing	1 209	62 785	988	1 832	46 306	219 373	128 104	343 374	D	1	5	S				
3352	Household appliance manufacturing	4 842	175 898	3 786	5 897	118 288	448 548	770 072	1 232 680	21 146	1	1	4				
3353	Electrical equipment manufacturing	3 632	131 215	2 973	5 802	94 237	453 701	326 363	782 731	D	1	1	S				
3359	Other electrical equipment and component manufacturing	2 464	91 245	1 973	4 347	64 898	394 460	308 837	705 019	21 630	3	2	26				
336	Transportation equipment manufacturing	46 797	2 432 483	38 910	81 919	2 009 813	8 627 675	23 296 173	31 912 125	668 153	4	2	29				
3361	Motor vehicle manufacturing	17 825	1 322 254	16 261	32 542	1 231 227	5 471 665	17 509 042	22 992 353	229 073	1	1	1				
3363	Motor vehicle parts manufacturing	26 253	1 002 923	20 464	44 993	702 128	2 876 758	5 370 425	8 221 817	419 816	7	5	47				
3364	Aerospace product and parts manufacturing	1 011	57 139	736	1 617	39 015	178 128	271 864	450 050	D	4	8	S				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
KENTUCKY—Con.													
31-33	Manufacturing—Con.												
337	Furniture and related product manufacturing	5 510	155 641	4 478	8 779	109 272	293 005	277 489	572 611	D	4	4	S
3371	Household and institutional furniture and kitchen cabinet manufacturing	2 636	69 547	2 144	4 318	48 128	141 225	118 975	259 466	D	7	6	S
3372	Office furniture (including fixtures) manufacturing ...	2 482	72 518	2 017	3 828	52 619	126 696	137 614	266 410	D	4	6	S
339	Miscellaneous manufacturing .	7 842	262 789	5 521	10 575	137 898	643 163	451 151	1 090 359	34 594	3	3	23
3391	Medical equipment and supplies manufacturing ...	1 937	66 074	1 432	2 863	37 907	158 730	105 922	264 345	15 848	9	6	49
3399	Other miscellaneous manufacturing	5 905	196 715	4 089	7 712	99 991	484 433	345 229	826 014	18 746	3	4	4
LOUISIANA													
31-33	Manufacturing	144 766	6 391 710	105 104	218 663	4 157 685	30 604 577	64 299 600	94 386 725	2 655 641	1	1	1
311	Food manufacturing	18 158	507 354	13 065	25 664	310 393	2 420 034	4 003 289	6 310 566	180 926	2	3	3
3113	Sugar and confectionery product manufacturing	2 372	81 722	2 001	5 005	60 949	334 489	931 174	1 241 232	42 551	5	1	9
3114	Fruit and vegetable preserving and specialty food manufacturing	961	28 638	795	1 826	19 582	163 697	118 741	278 511	3 356	1	1	1
3115	Dairy product manufacturing	1 380	34 079	663	1 088	11 419	128 311	209 519	337 597	1 941	1	1	42
3116	Animal slaughtering and processing	5 413	104 449	4 343	7 386	73 195	543 550	451 781	945 685	17 599	5	11	5
3117	Seafood product preparation and packaging	1 835	49 843	1 498	2 943	31 909	161 609	135 517	297 105	5 580	8	3	20
3118	Bakeries and tortilla manufacturing	2 742	75 223	1 230	2 102	28 228	223 930	93 331	319 011	6 859	1	1	44
3119	Other food manufacturing ..	2 429	97 978	1 829	3 747	64 553	742 644	1 284 155	1 987 574	83 516	2	2	3
312	Beverage and tobacco product manufacturing	1 356	51 401	726	1 484	23 374	147 299	377 592	524 683	13 518	2	5	31
3121	Beverage manufacturing ...	1 355	51 350	725	1 482	23 342	146 968	377 555	524 315	13 513	2	5	31
314	Textile product mills	1 178	29 282	988	1 815	20 294	34 587	64 864	102 656	D	6	22	S
315	Apparel manufacturing	g	D	D	D	D	D	D	D	1 513	S	S	38
3152	Cut and sew apparel manufacturing	958	16 468	817	1 286	11 047	38 875	19 521	59 977	D	14	16	S
321	Wood product manufacturing .	8 049	256 797	7 147	16 255	211 399	740 042	1 177 280	1 912 762	49 106	2	1	6
3211	Sawmills and wood preservation	2 030	63 403	1 813	3 804	52 459	164 900	337 416	493 254	7 621	7	6	34
3212	Veneer, plywood, and engineered wood product manufacturing	4 780	160 913	4 293	10 316	135 784	505 807	751 464	1 261 334	39 557	1	1	2
3219	Other wood product manufacturing	1 239	32 481	1 040	2 135	23 157	69 336	88 401	158 174	1 928	4	3	28
322	Paper manufacturing	9 037	466 902	7 225	15 460	339 557	2 023 354	2 224 175	4 228 579	198 437	1	1	1
3221	Pulp, paper, and paperboard mills	5 953	350 136	4 761	10 180	260 177	1 581 891	1 714 634	3 274 840	176 120	1	1	1
3222	Converted paper product manufacturing	3 084	116 766	2 464	5 280	79 380	441 463	509 541	953 739	22 317	1	1	1
323	Printing and related support activities	3 063	98 929	2 231	4 154	64 743	175 792	128 208	342 137	6 085	5	26	29
3231	Printing and related support activities	3 063	98 929	2 231	4 154	64 743	175 792	128 208	342 137	6 085	5	26	29
324	Petroleum and coal products manufacturing	9 051	647 658	5 722	13 217	358 885	9 477 651	27 313 143	36 645 908	1 142 861	1	1	2
3241	Petroleum and coal products manufacturing ...	9 051	647 658	5 722	13 217	358 885	9 477 651	27 313 143	36 645 908	1 142 861	1	1	2

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
	LOUISIANA—Con.												
31-33	Manufacturing—Con.												
325	Chemical manufacturing	23 785	1 610 042	14 745	33 348	936 370	9 264 084	21 670 757	30 718 323	763 773	1	2	3
3251	Basic chemical manufacturing	14 012	965 183	8 764	19 709	567 842	4 165 754	13 292 986	17 397 374	450 359	1	1	4
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	4 417	315 425	2 812	6 735	189 961	1 969 480	4 107 095	5 952 791	211 589	4	8	1
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2 148	162 694	1 343	2 921	98 605	2 515 261	1 634 382	4 164 639	55 281	2	1	1
3256	Soap, cleaning compound, and toilet preparation manufacturing	1 406	84 647	673	1 541	35 412	64 301	2 156 066	2 178 782	23 222	20	51	5
3259	Other chemical product and preparation manufacturing	977	49 048	658	1 342	28 886	395 334	355 651	755 826	18 589	8	3	20
326	Plastics and rubber products manufacturing	5 185	163 831	3 818	8 048	104 181	431 205	508 631	930 922	34 694	2	2	16
3261	Plastics product manufacturing	4 034	121 450	3 183	6 588	83 891	314 830	453 288	761 662	D	2	3	S
3262	Rubber product manufacturing	1 152	42 381	635	1 461	20 290	116 375	55 344	169 260	D	3	2	S
327	Nonmetallic mineral product manufacturing	4 815	175 635	3 674	7 700	124 248	492 406	341 071	823 033	22 954	3	2	16
3272	Glass and glass product manufacturing	1 483	55 703	1 282	2 616	48 347	152 314	82 509	223 819	6 739	1	1	1
3273	Cement and concrete product manufacturing	2 576	94 001	1 884	4 039	59 337	241 318	196 907	434 613	9 562	5	4	18
331	Primary metal manufacturing	2 475	103 308	1 780	4 196	67 397	319 085	421 908	727 146	17 703	2	2	17
332	Fabricated metal product manufacturing	21 135	811 153	15 988	33 764	560 064	1 854 878	1 331 919	3 182 865	71 812	3	3	10
3323	Architectural and structural metals manufacturing	7 858	307 668	5 965	13 564	225 721	803 551	461 595	1 245 698	26 333	2	3	14
3324	Boiler, tank, and shipping container manufacturing	1 696	63 707	1 359	2 931	46 249	135 779	172 425	304 919	3 892	1	2	39
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	4 101	158 736	3 217	6 181	104 228	325 112	124 037	456 551	9 686	10	14	21
3328	Coating, engraving, heat treating, and allied activities	2 224	71 069	1 840	2 990	51 445	129 336	108 487	236 838	1 749	12	8	35
3329	Other fabricated metal product manufacturing	4 617	187 521	3 168	7 087	119 914	396 898	404 281	814 205	24 165	5	8	21
333	Machinery manufacturing	8 692	334 068	6 358	12 776	214 900	753 633	939 504	1 667 973	29 292	7	4	11
3331	Agriculture, construction, and mining machinery manufacturing	4 104	167 987	3 061	6 018	112 926	312 898	466 352	737 611	14 735	14	9	14
3333	Commercial and service industry machinery manufacturing	1 280	48 643	917	1 671	33 068	120 949	85 831	209 433	3 423	7	8	6
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1 214	31 061	1 066	2 180	23 043	112 614	192 574	317 606	4 473	1	1	1
3339	Other general purpose machinery manufacturing	1 269	42 229	861	1 698	24 962	102 010	93 025	196 134	3 795	3	5	48
334	Computer and electronic product manufacturing	1 306	55 857	737	1 417	23 213	135 392	86 969	214 236	5 163	6	4	32
335	Electrical equipment, appliance, and component manufacturing	1 685	74 946	1 359	2 695	53 949	190 493	197 336	397 493	5 402	8	11	5
336	Transportation equipment manufacturing	18 649	814 232	14 355	26 926	627 503	1 674 520	3 070 208	4 744 617	100 567	1	1	6
3361	Motor vehicle manufacturing	h	D	D	D	D	D	D	D	D	S	S	S
3363	Motor vehicle parts manufacturing	1 322	73 945	1 165	1 980	62 323	90 714	153 602	244 658	21 257	1	1	1
3364	Aerospace product and parts manufacturing	g	D	D	D	D	D	D	D	D	S	S	S
3366	Ship and boat building	12 000	380 495	9 430	17 272	314 080	801 873	975 336	1 777 209	31 492	2	2	18
337	Furniture and related product manufacturing	1 260	35 883	1 014	1 881	24 400	72 594	53 457	126 893	526	1	4	11
339	Miscellaneous manufacturing	4 009	113 632	2 593	5 219	63 505	286 312	333 541	616 029	8 034	1	3	25
3399	Other miscellaneous manufacturing	3 304	91 768	2 043	4 248	49 437	243 793	317 020	555 974	7 399	2	4	27

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —			
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
														A
	MAINE													
31-33	Manufacturing	64 492	2 535 311	48 125	94 815	1 681 896	7 377 409	6 573 123	13 925 320	496 357	2	2	3	
311	Food manufacturing	7 882	268 655	4 906	8 902	140 221	1 019 499	806 852	1 833 725	44 537	3	11	14	
3114	Fruit and vegetable preserving and specialty food manufacturing	2 141	67 279	1 616	2 758	39 984	375 512	278 149	653 221	13 715	1	1	1	
3118	Bakeries and tortilla manufacturing	3 156	105 665	1 248	1 635	34 227	414 612	108 524	523 127	9 049	2	26	40	
313	Textile mills	1 581	48 929	1 305	2 571	32 223	118 178	139 025	261 104	4 567	5	8	34	
3132	Fabric mills	1 334	42 982	1 099	2 153	27 726	109 977	128 380	242 426	4 347	6	8	36	
314	Textile product mills	1 014	30 627	784	1 743	19 603	62 553	62 022	122 548	2 578	22	25	8	
316	Leather and allied product manufacturing	1 984	68 093	1 663	3 413	47 577	217 403	179 051	395 024	7 880	2	2	27	
3162	Footwear manufacturing ...	1 320	42 280	1 177	2 436	33 588	167 983	101 959	273 953	5 096	2	2	31	
321	Wood product manufacturing .	5 864	186 343	4 811	9 781	134 701	461 155	591 441	1 049 873	41 195	7	3	10	
3211	Sawmills and wood preservation	2 063	69 855	1 773	3 608	55 206	180 286	305 506	484 343	10 976	7	6	36	
3212	Veneer, plywood, and engineered wood product manufacturing	1 052	35 993	764	1 684	23 270	119 383	116 790	239 327	D	1	1	S	
3219	Other wood product manufacturing	2 749	80 495	2 274	4 489	56 225	161 486	169 145	326 202	D	13	6	S	
322	Paper manufacturing	9 327	538 139	7 416	15 991	402 758	1 661 271	1 878 199	3 490 351	190 788	1	1	1	
3221	Pulp, paper, and paperboard mills	7 099	438 201	5 585	12 205	329 609	1 292 267	1 545 628	2 786 030	138 724	1	1	1	
3222	Converted paper product manufacturing	2 228	99 938	1 831	3 786	73 149	369 004	332 571	704 321	52 064	1	1	1	
323	Printing and related support activities	2 228	77 091	1 749	3 354	53 909	153 954	141 265	294 346	7 121	5	5	43	
3231	Printing and related support activities	2 228	77 091	1 749	3 354	53 909	153 954	141 265	294 346	7 121	5	5	43	
325	Chemical manufacturing	1 980	89 405	1 135	2 392	46 688	228 183	133 885	361 283	4 530	1	1	10	
3254	Pharmaceutical and medicine manufacturing ...	1 222	61 765	586	1 258	29 510	124 581	44 749	169 846	1 782	1	1	1	
326	Plastics and rubber products manufacturing	2 262	76 448	1 738	3 615	50 435	206 015	224 144	427 260	14 703	2	1	10	
3261	Plastics product manufacturing	1 997	69 319	1 598	3 255	46 260	177 073	190 627	366 459	12 378	1	1	6	
327	Nonmetallic mineral product manufacturing	1 302	44 843	955	1 831	25 704	130 721	91 743	221 613	20 475	7	2	51	
3273	Cement and concrete product manufacturing	985	34 083	723	1 355	19 252	107 218	76 984	183 873	20 324	9	2	51	
332	Fabricated metal product manufacturing	4 296	175 336	3 019	6 201	106 066	417 027	286 907	701 833	16 855	8	5	27	
3323	Architectural and structural metals manufacturing	1 534	59 110	916	1 836	29 946	137 623	156 969	295 628	1 469	7	8	26	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	1 208	56 432	908	1 966	37 713	131 167	52 767	181 395	11 188	26	12	41	
333	Machinery manufacturing	2 825	110 589	1 992	4 039	66 784	249 548	222 146	486 667	7 667	2	2	21	
3339	Other general purpose machinery manufacturing .	1 101	41 099	786	1 638	23 579	84 105	56 643	143 216	1 907	2	2	60	
334	Computer and electronic product manufacturing	3 843	171 989	2 716	6 009	103 434	398 494	326 631	729 311	71 087	1	1	1	
3342	Communications equipment manufacturing	980	32 317	623	1 298	12 569	138 395	121 838	261 884	D	1	1	S	
3344	Semiconductor and other electronic component manufacturing	2 170	112 647	1 669	3 886	77 832	204 549	182 056	389 811	64 228	1	1	1	
336	Transportation equipment manufacturing	9 740	416 694	7 543	14 529	315 225	1 155 744	928 668	2 090 689	28 438	1	1	6	
3364	Aerospace product and parts manufacturing	g	D	D	D	D	D	D	D	D	S	S	S	
3366	Ship and boat building	7 817	333 091	5 982	11 334	250 363	702 501	530 872	1 233 373	6 116	1	1	1	
337	Furniture and related product manufacturing	3 119	64 414	2 688	3 151	44 729	122 442	108 852	228 965	7 158	46	22	66	
3371	Household and institutional furniture and kitchen cabinet manufacturing	2 706	51 643	2 381	2 496	35 778	98 625	91 328	187 636	7 032	53	27	67	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
MAINE—Con.													
31-33	Manufacturing—Con.												
339	Miscellaneous manufacturing . . .	2 853	80 247	2 069	4 132	42 876	202 234	153 606	351 971	8 667	3	1	36
3391	Medical equipment and supplies manufacturing . . .	1 282	33 723	1 011	2 170	20 975	110 776	93 431	202 422	5 083	8	1	55
3399	Other miscellaneous manufacturing	1 571	46 524	1 058	1 962	21 902	91 458	60 175	149 549	3 584	1	3	38
MARYLAND													
31-33	Manufacturing	143 771	6 514 548	91 790	178 633	3 118 034	18 490 466	16 704 551	35 456 384	1 227 588	1	1	15
311	Food manufacturing	15 296	482 219	10 853	21 252	294 787	2 418 542	2 577 209	4 995 573	131 246	1	2	4
3115	Dairy product manufacturing	1 906	73 721	1 371	2 486	51 630	404 905	504 069	909 870	41 106	1	1	3
3116	Animal slaughtering and processing	3 220	70 595	2 733	6 037	51 642	440 991	242 036	684 338	9 686	1	1	10
3118	Bakeries and tortilla manufacturing	3 559	96 161	1 996	3 522	47 452	378 265	135 477	511 250	13 765	5	2	23
3119	Other food manufacturing . .	3 488	143 774	2 515	5 028	84 758	901 775	716 962	1 615 878	25 568	2	2	10
312	Beverage and tobacco product manufacturing	1 535	68 294	836	1 564	28 706	286 557	566 599	855 877	14 323	1	1	3
3121	Beverage manufacturing . . .	1 535	68 294	836	1 564	28 706	286 557	566 599	855 877	14 323	1	1	3
313	Textile mills	1 661	49 598	1 267	2 540	30 204	113 026	119 904	227 306	7 634	5	3	17
3132	Fabric mills	1 318	36 900	1 043	2 072	23 187	92 872	85 835	172 070	4 852	6	2	13
314	Textile product mills	1 329	35 694	1 021	1 985	22 620	159 598	309 106	462 909	1 050	7	4	28
315	Apparel manufacturing	2 052	43 794	1 729	3 534	31 516	95 886	92 111	185 862	599	4	3	33
3152	Cut and sew apparel manufacturing	1 902	40 556	1 605	3 306	29 284	89 640	86 505	173 944	599	5	3	33
316	Leather and allied product manufacturing	954	30 586	696	1 243	21 553	46 579	153 263	204 412	D	1	1	S
321	Wood product manufacturing . .	4 994	141 954	4 000	7 818	95 613	346 394	535 319	881 926	16 991	3	4	34
3212	Veneer, plywood, and engineered wood product manufacturing	1 186	29 567	926	1 734	17 215	55 417	60 764	115 591	2 052	10	5	9
3219	Other wood product manufacturing	2 984	85 661	2 343	4 729	60 509	235 816	322 278	559 372	6 625	3	3	40
322	Paper manufacturing	4 799	196 314	3 722	7 372	136 783	541 221	595 236	1 169 682	48 917	7	5	8
3221	Pulp, paper, and paperboard mills	1 528	80 933	1 202	2 421	59 042	265 398	229 123	531 285	27 367	1	1	10
3222	Converted paper product manufacturing	3 271	115 381	2 520	4 951	77 741	275 823	366 113	638 397	21 550	10	9	13
323	Printing and related support activities	16 723	618 127	12 211	22 552	383 364	1 242 416	815 547	2 092 424	88 929	3	5	31
3231	Printing and related support activities	16 723	618 127	12 211	22 552	383 364	1 242 416	815 547	2 092 424	88 929	3	5	31
325	Chemical manufacturing	11 976	608 572	6 931	12 458	325 481	3 392 026	1 537 038	4 983 236	158 251	1	1	3
3251	Basic chemical manufacturing	2 555	161 617	1 685	2 542	89 632	470 554	507 880	1 010 145	54 459	3	1	10
3254	Pharmaceutical and medicine manufacturing	4 638	247 445	2 200	3 828	111 539	1 552 105	183 039	1 753 612	71 366	1	1	1
3255	Paint, coating, and adhesive manufacturing	1 753	74 401	1 220	2 026	43 486	522 600	371 756	889 475	13 672	1	3	6
3256	Soap, cleaning compound, and toilet preparation manufacturing	1 802	67 404	1 077	2 407	50 976	691 626	252 561	954 355	13 049	3	1	1
326	Plastics and rubber products manufacturing	8 536	302 106	6 348	12 796	185 068	918 643	758 002	1 679 694	78 079	1	4	9
3261	Plastics product manufacturing	7 908	284 956	5 872	11 797	174 145	865 136	726 053	1 590 175	77 573	1	4	9
327	Nonmetallic mineral product manufacturing	4 930	199 841	3 513	7 562	130 970	601 115	549 733	1 178 210	66 187	5	6	15
3273	Cement and concrete product manufacturing	3 351	136 918	2 247	5 038	84 629	389 541	354 901	766 514	54 628	8	10	18
331	Primary metal manufacturing . .	4 278	216 396	3 447	7 354	172 928	585 375	988 741	1 587 984	18 535	1	1	1
3311	Iron and steel mills and ferroalloy manufacturing . .	h	D	D	D	D	D	D	D	D	S	S	S

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
MARYLAND—Con.													
31-33	Manufacturing—Con.												
332	Fabricated metal product manufacturing	12 215	483 277	8 679	17 527	295 667	1 310 346	843 911	2 097 877	58 581	2	2	10
3323	Architectural and structural metals manufacturing	3 570	131 123	2 453	4 841	76 981	278 346	235 290	493 184	9 313	4	6	18
3326	Spring and wire product manufacturing	1 425	50 886	970	1 955	27 450	105 270	67 268	181 706	1 827	1	1	1
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	2 936	128 335	2 230	4 717	84 068	299 914	100 171	385 533	9 609	3	6	53
3329	Other fabricated metal product manufacturing	2 083	84 808	1 326	2 518	48 612	436 223	220 759	623 074	27 869	2	1	1
333	Machinery manufacturing	8 948	428 011	5 619	10 947	211 808	991 338	1 097 547	2 109 960	38 484	3	8	6
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	2 517	106 747	1 565	3 162	45 136	180 110	168 897	346 708	6 166	1	36	16
3336	Engine, turbine, and power transmission equipment manufacturing	g	D	D	D	D	D	D	D	D	S	S	S
3339	Other general purpose machinery manufacturing .	2 920	126 836	1 726	3 145	54 354	359 459	380 373	745 272	12 867	9	11	13
334	Computer and electronic product manufacturing	23 503	1 764 136	6 641	11 792	257 760	3 302 170	2 618 355	6 054 441	407 026	5	2	43
3342	Communications equipment manufacturing	7 415	586 073	1 796	3 848	68 206	859 907	1 347 502	2 248 847	211 779	17	6	83
3344	Semiconductor and other electronic component manufacturing	3 056	132 901	1 746	3 493	54 508	249 772	163 671	408 860	10 672	6	2	15
3345	Navigational, measuring, electromedical, and control instruments manufacturing	12 228	994 876	2 425	3 576	125 909	2 046 687	1 012 953	3 155 022	181 312	1	1	1
335	Electrical equipment, appliance, and component manufacturing	2 158	87 754	1 320	3 372	37 469	176 811	104 682	285 050	8 365	2	2	4
3359	Other electrical equipment and component manufacturing	1 029	49 660	583	1 172	20 063	100 068	44 713	147 391	6 280	4	4	1
336	Transportation equipment manufacturing	6 731	350 277	5 024	9 242	224 270	886 655	1 546 693	2 424 120	41 733	2	8	24
3361	Motor vehicle manufacturing	g	D	D	D	D	D	D	D	D	S	S	S
3363	Motor vehicle parts manufacturing	1 909	91 525	1 456	2 362	63 298	201 982	352 980	549 008	26 983	3	11	32
3364	Aerospace product and parts manufacturing	1 464	94 507	694	1 378	29 635	132 015	108 109	241 513	D	7	16	S
3366	Ship and boat building	1 224	46 431	1 124	2 276	42 256	97 518	125 942	223 460	7 753	3	3	56
337	Furniture and related product manufacturing	5 228	158 328	3 738	7 077	98 429	338 533	276 581	613 835	13 201	3	2	66
3371	Household and institutional furniture and kitchen cabinet manufacturing	2 024	50 914	1 548	2 582	34 960	106 403	75 487	178 307	10 275	7	5	84
3372	Office furniture (including fixtures) manufacturing ...	1 949	65 535	1 300	2 645	38 683	113 154	74 550	190 443	1 149	1	2	49
3379	Other furniture related product manufacturing	1 256	41 879	890	1 850	24 786	118 976	126 543	245 085	1 778	1	1	1
339	Miscellaneous manufacturing .	5 107	210 060	3 576	7 346	105 424	537 615	259 014	805 836	15 189	5	5	18
3391	Medical equipment and supplies manufacturing ...	2 490	114 892	1 735	3 333	52 883	295 013	123 310	430 669	11 932	3	5	21
3399	Other miscellaneous manufacturing	2 617	95 168	1 841	4 013	52 542	242 603	135 704	375 167	3 258	9	10	33
MASSACHUSETTS													

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	MASSACHUSETTS—Con.																
31-33	Manufacturing	325 758	14 961 776	200 989	409 748	6 864 023	46 265 933	31 875 095	78 022 558	1 970 676	1	1	2				
311	Food manufacturing	19 963	709 668	13 675	27 919	388 434	2 347 798	2 892 474	5 240 527	149 611	3	6	14				
3113	Sugar and confectionery product manufacturing	1 068	40 096	867	1 967	27 726	117 842	108 576	225 185	3 325	10	4	5				
3115	Dairy product manufacturing	3 066	150 008	1 740	3 732	72 626	579 707	872 628	1 450 121	36 008	1	14	12				
3116	Animal slaughtering and processing	2 422	77 732	1 786	3 656	44 889	187 755	380 489	568 903	8 082	3	2	47				
3117	Seafood product preparation and packaging	2 658	88 245	1 997	3 968	49 805	283 677	498 745	782 051	8 514	2	4	8				
3118	Bakeries and tortilla manufacturing	5 945	172 750	3 860	7 431	94 443	333 570	275 574	608 156	25 941	10	31	22				
3119	Other food manufacturing ..	3 344	128 698	2 386	5 014	68 020	568 712	484 095	1 057 736	43 056	6	11	33				
312	Beverage and tobacco product manufacturing	3 015	126 248	1 341	5 047	56 066	569 586	584 134	1 155 362	18 696	3	14	4				
3121	Beverage manufacturing ...	3 015	126 248	1 341	5 047	56 066	569 586	584 134	1 155 362	18 696	3	14	4				
313	Textile mills	10 052	338 565	7 782	16 637	211 946	712 574	859 229	1 572 394	39 057	2	5	14				
3132	Fabric mills	4 760	149 097	3 772	7 885	99 809	319 513	342 277	654 678	17 745	3	4	12				
3133	Textile and fabric finishing and fabric coating mills....	4 458	164 568	3 272	7 245	91 987	343 920	447 291	799 098	17 005	4	9	29				
314	Textile product mills	4 118	110 361	3 064	6 197	66 596	281 391	225 397	500 862	6 883	5	7	10				
3141	Textile furnishings mills	1 990	45 964	1 577	2 994	28 175	142 688	104 205	242 273	2 348	3	5	19				
3149	Other textile product mills ..	2 128	64 397	1 487	3 203	38 421	138 703	121 193	258 589	4 535	10	13	11				
315	Apparel manufacturing	3 889	97 324	3 192	5 988	63 377	175 130	184 890	374 417	3 327	8	7	32				
3152	Cut and sew apparel manufacturing	3 363	84 463	2 735	5 112	53 296	154 702	160 311	327 582	D	9	7	S				
316	Leather and allied product manufacturing	1 517	47 461	1 300	2 331	34 127	101 774	63 997	164 833	1 722	5	5	19				
321	Wood product manufacturing .	3 616	119 431	2 536	5 351	72 672	223 430	294 675	517 209	12 581	1	1	45				
3219	Other wood product manufacturing	2 720	90 451	1 849	3 944	52 697	171 873	160 674	329 729	9 380	1	1	60				
322	Paper manufacturing	15 072	645 777	10 958	23 799	396 914	1 566 946	1 868 700	3 420 584	91 310	2	1	5				
3221	Pulp, paper, and paperboard mills	3 396	165 918	2 334	5 299	102 524	447 426	453 983	888 052	36 710	2	1	6				
3222	Converted paper product manufacturing	11 677	479 858	8 623	18 500	294 390	1 119 520	1 414 717	2 532 531	54 600	2	2	8				
323	Printing and related support activities	16 384	639 408	11 854	23 158	392 731	1 388 161	768 033	2 154 441	66 249	4	3	15				
3231	Printing and related support activities	16 384	639 408	11 854	23 158	392 731	1 388 161	768 033	2 154 441	66 249	4	3	15				
325	Chemical manufacturing	21 245	1 223 167	11 064	22 813	467 653	5 201 239	3 215 491	8 305 069	291 480	1	2	2				
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	1 059	51 356	612	1 247	21 520	186 001	447 396	703 793	10 149	1	4	19				
3254	Pharmaceutical and medicine manufacturing...	10 650	685 904	5 210	10 684	232 208	3 456 897	1 231 044	4 525 347	210 450	2	1	2				
3255	Paint, coating, and adhesive manufacturing	1 672	88 197	902	2 019	39 019	286 458	255 100	529 314	14 180	4	29	13				
3256	Soap, cleaning compound, and toilet preparation manufacturing	1 587	71 031	958	1 743	33 708	617 191	276 731	886 599	10 508	1	1	23				
3259	Other chemical product and preparation manufacturing	5 233	273 414	2 772	5 843	114 318	473 563	776 553	1 248 282	40 121	1	4	4				
326	Plastics and rubber products manufacturing	18 479	671 593	13 411	26 220	405 303	1 977 537	1 542 066	3 522 395	127 635	2	1	18				
3261	Plastics product manufacturing	16 433	598 596	12 045	23 455	365 106	1 808 079	1 400 646	3 211 075	120 452	2	1	18				
3262	Rubber product manufacturing	2 046	72 996	1 367	2 765	40 197	169 458	141 419	311 320	7 183	3	2	30				
327	Nonmetallic mineral product manufacturing	7 413	296 966	5 667	12 319	200 566	703 395	504 539	1 226 688	45 517	13	14	10				
3271	Clay product and refractory manufacturing	1 005	36 196	770	1 534	22 295	94 990	41 949	130 673	1 793	8	11	32				
3273	Cement and concrete product manufacturing	2 657	95 088	2 072	4 573	68 660	283 150	168 169	449 960	10 824	5	5	23				
3279	Other nonmetallic mineral product manufacturing	3 362	148 705	2 166	4 348	70 961	278 653	188 730	480 112	24 753	12	13	15				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
		A	B	C	D	E					F	G	H	I
	MASSACHUSETTS—Con.													
31-33	Manufacturing—Con.													
331	Primary metal manufacturing . . .	4 527	188 675	3 250	7 397	122 397	431 788	564 015	1 007 451	19 341	3	2	13	
3314	Nonferrous metal (except aluminum) production and processing	2 177	93 094	1 405	3 029	55 105	202 425	388 113	591 225	7 991	2	2	18	
3315	Foundries	1 346	52 071	1 075	2 747	37 031	102 650	56 121	161 458	5 632	11	5	32	
332	Fabricated metal product manufacturing	36 601	1 569 934	25 957	53 942	929 340	3 621 162	2 205 666	5 869 465	144 934	3	2	7	
3321	Forging and stamping	2 844	118 415	2 139	4 470	76 020	262 185	237 602	520 192	15 316	2	13	9	
3322	Cutlery and handtool manufacturing	4 196	213 424	2 995	6 492	125 915	786 188	489 368	1 279 088	33 892	1	1	5	
3323	Architectural and structural metals manufacturing	5 449	236 335	3 821	7 439	140 874	440 385	297 678	763 128	23 222	20	15	19	
3324	Boiler, tank, and shipping container manufacturing	1 288	57 125	897	1 861	33 712	182 422	153 113	326 664	1 959	3	3	25	
3326	Spring and wire product manufacturing	1 750	53 494	1 531	3 594	42 748	106 024	80 162	181 479	5 690	2	6	14	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	9 715	405 952	7 143	14 512	265 606	814 424	362 043	1 183 384	38 374	2	3	22	
3328	Coating, engraving, heat treating, and allied activities	4 150	147 993	3 148	6 636	97 993	285 948	99 000	386 294	5 524	9	4	19	
3329	Other fabricated metal product manufacturing	6 534	313 235	3 790	7 880	133 096	692 145	452 176	1 143 886	19 508	2	3	10	
333	Machinery manufacturing	25 638	1 352 647	14 413	28 331	569 324	2 722 916	2 116 355	4 855 541	129 118	2	2	8	
3332	Industrial machinery manufacturing	8 388	547 832	3 667	6 562	167 463	1 029 989	822 318	1 859 921	60 773	5	2	11	
3333	Commercial and service industry machinery manufacturing	3 521	166 999	2 300	4 737	88 645	360 831	198 890	561 568	8 471	3	6	8	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1 860	74 053	1 131	2 272	33 360	165 011	157 668	321 250	4 679	4	7	32	
3335	Metalworking machinery manufacturing	4 561	211 826	3 000	6 312	121 759	330 187	275 055	612 400	17 920	4	14	24	
3336	Engine, turbine, and power transmission equipment manufacturing	1 217	56 999	866	1 612	32 938	130 495	80 266	211 248	7 771	2	2	49	
3339	Other general purpose machinery manufacturing	5 459	268 394	3 161	6 231	112 183	650 978	536 726	1 187 779	27 784	5	2	17	
334	Computer and electronic product manufacturing	67 450	3 886 623	29 459	57 871	1 076 717	14 710 336	7 811 249	22 539 555	468 873	1	1	3	
3341	Computer and peripheral equipment manufacturing	4 957	327 509	1 833	4 020	78 269	1 521 803	1 551 688	3 064 148	15 201	5	3	23	
3342	Communications equipment manufacturing	9 425	577 028	2 891	5 526	118 028	1 394 491	1 277 194	2 724 406	40 854	1	6	8	
3344	Semiconductor and other electronic component manufacturing	19 387	884 139	11 886	23 718	415 197	5 526 019	2 239 040	7 756 825	173 516	3	1	6	
3345	Navigational, measuring, electromedical, and control instruments manufacturing	31 382	2 002 980	11 370	21 506	422 132	6 046 453	2 538 594	8 572 942	230 286	1	1	2	
3346	Manufacturing and reproducing magnetic and optical media	1 596	64 480	1 097	2 241	34 307	116 432	134 777	250 412	4 772	8	24	41	
335	Electrical equipment, appliance, and component manufacturing	16 631	704 813	10 111	20 030	326 450	1 703 966	1 199 309	2 914 519	53 471	3	2	14	
3351	Electric lighting equipment manufacturing	1 709	62 027	1 399	3 108	41 261	258 274	117 011	387 048	3 420	14	6	4	
3353	Electrical equipment manufacturing	4 498	228 062	2 096	4 236	74 610	447 414	319 597	762 657	21 543	9	6	34	
3359	Other electrical equipment and component manufacturing	9 732	391 532	6 092	11 650	195 953	931 136	688 450	1 624 415	26 191	1	1	7	
336	Transportation equipment manufacturing	9 668	573 574	5 417	11 534	269 495	2 172 839	1 892 122	4 046 038	112 422	2	1	5	
3363	Motor vehicle parts manufacturing	3 268	160 887	1 749	3 789	48 549	526 513	296 896	816 241	22 545	6	2	25	
3364	Aerospace product and parts manufacturing	h	D	D	D	D	D	D	D	D	S	S	S	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
MASSACHUSETTS—Con.													
31-33	Manufacturing—Con.												
337	Furniture and related product manufacturing	7 501	268 039	5 255	10 635	146 568	617 427	429 401	1 032 231	11 902	6	5	15
3371	Household and institutional furniture and kitchen cabinet manufacturing	4 164	130 762	3 061	6 138	78 181	291 550	200 856	484 792	6 273	11	10	12
3372	Office furniture (including fixtures) manufacturing ...	2 435	106 382	1 505	3 027	48 364	203 434	124 423	324 296	2 626	2	2	28
339	Miscellaneous manufacturing .	32 096	1 346 622	20 640	40 947	639 204	4 849 492	2 365 062	7 126 407	166 343	2	10	17
3391	Medical equipment and supplies manufacturing ...	14 013	661 048	8 441	17 196	274 905	2 773 607	1 013 485	3 671 703	85 158	3	17	33
3399	Other miscellaneous manufacturing	18 083	685 574	12 199	23 752	364 299	2 075 885	1 351 577	3 454 704	81 185	2	2	3
MICHIGAN													
31-33	Manufacturing	685 392	32 548 673	505 779	1 052 027	21 950 749	97 552 030	126 697 620	223 852 591	5 205 435	1	1	3
311	Food manufacturing	30 275	1 068 272	22 906	45 605	734 339	5 832 357	5 555 493	11 363 615	314 816	3	2	15
3112	Grain and oilseed milling ...	2 636	141 436	2 160	4 623	107 911	913 507	513 461	1 424 525	50 164	2	2	7
3113	Sugar and confectionery product manufacturing	1 188	44 891	886	1 907	29 520	249 437	194 624	438 504	21 853	17	5	41
3114	Fruit and vegetable preserving and specialty food manufacturing	5 357	162 379	4 838	9 762	141 877	750 697	747 046	1 497 773	79 512	14	9	56
3115	Dairy product manufacturing	4 953	208 432	3 374	7 317	126 098	1 873 279	1 519 985	3 398 146	45 335	1	1	4
3116	Animal slaughtering and processing	5 868	170 316	4 744	9 699	121 866	446 961	1 555 395	1 993 144	18 754	1	5	19
3118	Bakeries and tortilla manufacturing	5 991	193 309	3 867	6 391	116 267	840 736	370 738	1 217 374	82 795	8	4	18
3119	Other food manufacturing ..	3 572	126 768	2 552	4 981	79 265	657 502	519 886	1 163 801	15 316	2	3	16
312	Beverage and tobacco product manufacturing	4 148	153 992	1 914	4 208	66 917	907 257	939 814	1 849 473	52 299	1	1	2
3121	Beverage manufacturing ...	4 146	153 942	1 913	4 207	66 892	907 108	939 797	1 849 307	52 299	1	1	2
314	Textile product mills	2 030	56 355	1 474	2 539	29 900	131 049	120 906	251 262	3 991	4	3	29
3149	Other textile product mills ..	1 432	39 948	980	1 658	18 650	82 745	72 718	156 270	3 107	6	5	38
316	Leather and allied product manufacturing	1 748	54 313	1 400	2 686	35 463	159 881	314 592	477 989	1 885	4	3	1
3161	Leather and hide tanning and finishing.....	g	D	D	D	D	D	D	D	D	S	S	S
321	Wood product manufacturing .	10 953	360 460	8 439	19 574	243 511	887 637	1 198 833	2 053 292	56 435	5	4	22
3211	Sawmills and wood preservation	1 609	68 340	1 291	4 010	55 471	166 560	390 577	515 940	26 874	28	22	43
3212	Veneer, plywood, and engineered wood product manufacturing	3 892	137 334	3 000	5 921	90 264	359 025	416 153	782 444	20 438	3	2	21
3219	Other wood product manufacturing	5 452	154 786	4 147	9 642	97 777	362 052	392 102	754 907	9 123	4	3	26
322	Paper manufacturing	14 366	648 645	11 040	22 952	421 364	2 020 868	2 360 319	4 361 559	111 246	4	3	5
3221	Pulp, paper, and paperboard mills	5 835	331 080	4 568	9 551	231 129	1 129 799	1 153 233	2 271 274	74 684	5	3	2
3222	Converted paper product manufacturing	8 531	317 565	6 472	13 401	190 236	891 069	1 207 086	2 090 284	36 562	6	5	15
323	Printing and related support activities	19 429	764 696	13 953	26 214	463 530	1 703 308	940 123	2 621 953	119 566	4	4	18
3231	Printing and related support activities	19 429	764 696	13 953	26 214	463 530	1 703 308	940 123	2 621 953	119 566	4	4	18
324	Petroleum and coal products manufacturing	1 804	98 533	797	1 847	42 258	432 391	1 299 457	1 778 134	63 806	5	1	3
3241	Petroleum and coal products manufacturing ...	1 804	98 533	797	1 847	42 258	432 391	1 299 457	1 778 134	63 806	5	1	3

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
MICHIGAN—Con.													
31-33	Manufacturing—Con.												
325	Chemical manufacturing	30 890	1 631 179	18 241	36 081	823 073	6 274 529	5 813 332	11 665 535	640 733	1	1	18
3251	Basic chemical manufacturing	5 628	365 614	3 439	6 899	204 996	766 017	1 759 678	2 514 333	87 130	1	1	2
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	2 933	160 661	1 324	2 690	60 748	369 056	1 011 755	1 390 373	48 075	2	3	13
3254	Pharmaceutical and medicine manufacturing ...	8 808	459 239	4 653	9 144	186 838	3 500 163	1 090 993	4 224 735	220 738	1	1	9
3255	Paint, coating, and adhesive manufacturing	4 030	198 025	2 286	4 537	87 646	776 330	682 411	1 425 185	31 527	4	3	5
3256	Soap, cleaning compound, and toilet preparation manufacturing	5 708	265 752	4 295	8 135	194 277	276 428	602 112	837 119	D	1	7	S
3259	Other chemical product and preparation manufacturing	3 603	172 929	2 112	4 319	84 345	537 318	647 877	1 206 817	163 638	4	10	69
326	Plastics and rubber products manufacturing	58 689	1 985 179	44 178	93 035	1 239 597	5 327 174	4 680 833	10 023 808	291 799	2	4	7
3261	Plastics product manufacturing	52 768	1 785 649	39 990	84 945	1 129 803	4 835 337	4 252 558	9 102 352	270 101	2	5	7
3262	Rubber product manufacturing	5 920	199 530	4 188	8 090	109 795	491 838	428 275	921 456	21 698	2	3	15
327	Nonmetallic mineral product manufacturing	17 066	724 062	13 147	27 888	477 689	2 253 696	1 788 291	4 038 403	145 455	2	2	9
3272	Glass and glass product manufacturing	6 801	299 050	5 198	11 625	189 931	862 793	804 539	1 681 521	42 922	4	3	15
3273	Cement and concrete product manufacturing	7 311	306 849	5 743	11 660	210 894	946 415	712 575	1 647 195	87 651	3	5	13
3279	Other nonmetallic mineral product manufacturing	2 140	87 674	1 596	3 401	57 439	359 514	208 212	561 841	12 307	2	1	10
331	Primary metal manufacturing .	28 244	1 310 942	22 377	46 595	956 652	2 589 289	4 391 402	6 985 521	234 071	2	2	3
3311	Iron and steel mills and ferroalloy manufacturing ..	6 394	326 722	5 086	9 789	244 520	549 803	1 772 131	2 332 401	24 066	1	1	1
3312	Steel product manufacturing from purchased steel	2 575	103 276	1 985	3 996	70 406	245 363	400 347	646 194	18 379	1	5	33
3313	Alumina and aluminum production and processing	2 788	108 689	2 121	4 486	72 540	271 400	542 106	811 549	17 032	1	1	4
3314	Nonferrous metal (except aluminum) production and processing	2 041	90 308	1 487	3 110	57 069	223 363	451 820	670 017	8 750	2	4	11
3315	Foundries	14 446	681 947	11 697	25 214	512 117	1 299 360	1 224 999	2 525 360	165 844	4	3	2
332	Fabricated metal product manufacturing	86 666	3 334 174	64 659	136 481	2 170 488	7 845 092	5 686 105	13 480 827	352 034	1	1	5
3321	Forging and stamping.....	6 569	269 879	5 001	10 593	178 643	586 803	632 436	1 201 302	43 710	4	8	27
3322	Cutlery and handtool manufacturing	2 632	108 868	1 617	3 365	60 081	219 226	119 146	334 392	12 564	2	2	22
3323	Architectural and structural metals manufacturing	9 836	380 983	6 819	13 988	233 651	857 591	912 997	1 770 633	22 870	2	2	12
3324	Boiler, tank, and shipping container manufacturing ..	1 304	49 619	926	2 186	30 370	148 552	151 641	299 157	4 305	4	3	5
3325	Hardware manufacturing ...	6 285	210 011	4 966	9 767	135 161	418 287	385 868	798 237	11 862	1	1	7
3326	Spring and wire product manufacturing	3 310	114 492	2 627	4 736	75 381	246 777	174 916	421 653	17 267	5	5	21
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	28 373	1 149 731	21 343	47 607	774 776	2 772 729	1 941 789	4 690 919	134 681	3	2	6
3328	Coating, engraving, heat treating, and allied activities	14 364	502 739	10 966	22 213	330 623	1 116 652	458 467	1 578 137	61 448	2	2	12
3329	Other fabricated metal product manufacturing	13 993	547 852	10 393	22 026	351 802	1 478 476	908 844	2 386 397	43 327	2	2	9

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	MICHIGAN—Con.																
31-33	Manufacturing—Con.																
333	Machinery manufacturing . . .	79 120	4 094 858	49 652	104 744	2 180 850	8 870 501	7 754 295	16 607 645	466 238	1	1	20				
3331	Agriculture, construction, and mining machinery manufacturing	1 314	85 291	587	1 285	35 642	247 458	279 767	549 252	14 762	54	17	43				
3332	Industrial machinery manufacturing	6 901	336 560	3 830	7 421	154 147	740 738	911 703	1 627 105	38 344	1	2	42				
3333	Commercial and service industry machinery manufacturing	2 332	93 849	1 370	2 500	48 883	219 548	202 945	427 295	11 171	13	12	41				
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3 699	140 710	2 640	5 017	75 951	339 605	261 593	574 014	8 896	3	8	24				
3335	Metalworking machinery manufacturing	38 353	1 968 748	27 192	60 248	1 281 589	3 926 054	2 233 689	6 244 806	242 157	2	2	37				
3336	Engine, turbine, and power transmission equipment manufacturing	6 843	387 889	4 072	8 541	197 410	1 198 985	1 565 902	2 764 420	70 921	1	1	15				
3339	Other general purpose machinery manufacturing	19 678	1 081 811	9 959	19 732	387 228	2 198 112	2 298 697	4 420 753	79 986	2	2	11				
334	Computer and electronic product manufacturing	19 147	896 512	11 877	23 394	440 151	2 284 941	2 467 402	4 754 263	74 544	1	4	8				
3341	Computer and peripheral equipment manufacturing	1 061	52 001	467	928	16 058	139 038	105 083	242 903	2 015	5	2	21				
3342	Communications equipment manufacturing	1 019	45 603	560	950	16 820	85 018	98 312	181 684	4 719	2	6	50				
3344	Semiconductor and other electronic component manufacturing	4 093	152 636	2 448	4 957	66 589	382 527	347 720	721 841	14 681	2	18	23				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	11 119	590 025	7 011	13 790	304 345	1 488 126	1 740 232	3 234 469	38 672	1	2	9				
3346	Manufacturing and reproducing magnetic and optical media	1 355	37 815	1 162	2 366	29 349	133 756	95 755	229 717	14 200	3	2	11				
335	Electrical equipment, appliance, and component manufacturing	12 268	476 296	8 762	17 476	281 820	1 077 748	1 505 038	2 592 821	51 498	3	3	3				
3352	Household appliance manufacturing	4 130	156 253	3 734	7 913	130 203	401 299	789 288	1 185 933	27 920	1	1	1				
3353	Electrical equipment manufacturing	3 750	148 569	2 366	3 941	68 491	304 090	245 938	554 042	7 933	9	10	19				
3359	Other electrical equipment and component manufacturing	3 839	155 889	2 281	4 865	74 942	324 738	432 498	768 061	15 504	3	3	6				
336	Transportation equipment manufacturing	217 815	12 982 072	178 307	380 421	10 387 428	43 112 537	76 270 575	119 425 621	2 067 237	1	1	3				
3361	Motor vehicle manufacturing	43 782	3 322 141	39 799	81 324	2 976 551	19 918 835	42 385 248	62 323 014	618 609	1	1	1				
3362	Motor vehicle body and trailer manufacturing	2 217	81 082	1 694	3 567	54 530	186 395	244 696	427 981	9 328	7	11	71				
3363	Motor vehicle parts manufacturing	164 474	9 246 740	131 742	285 208	7 169 222	22 258 627	32 998 359	55 280 601	1 408 572	1	1	4				
3364	Aerospace product and parts manufacturing	3 467	193 014	2 096	4 236	92 094	407 810	264 451	680 133	17 855	1	6	15				
3366	Ship and boat building	1 986	66 906	1 541	3 209	50 409	154 785	230 818	385 604	D	2	2	S				
3369	Other transportation equipment manufacturing	1 603	60 357	1 246	2 532	36 369	149 050	125 575	276 677	6 255	5	7	16				
337	Furniture and related product manufacturing	33 303	1 204 165	21 036	38 096	623 666	3 966 467	2 402 425	6 411 169	113 281	3	3	16				
3371	Household and institutional furniture and kitchen cabinet manufacturing	7 788	238 528	6 024	11 161	159 125	590 504	479 769	1 071 003	37 946	6	4	46				
3372	Office furniture (including fixtures) manufacturing	24 932	945 836	14 585	26 082	452 896	3 330 483	1 879 387	5 251 765	75 232	3	3	9				
339	Miscellaneous manufacturing	16 007	662 797	10 480	20 008	305 432	1 780 253	1 081 029	2 890 096	42 529	1	2	10				
3391	Medical equipment and supplies manufacturing	7 573	345 784	4 755	8 975	141 295	1 039 999	547 684	1 608 497	28 700	2	3	7				
3399	Other miscellaneous manufacturing	8 434	317 013	5 725	11 034	164 137	740 254	533 345	1 281 600	13 829	2	2	28				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —								
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I						
														A	B	C	D	E	F
	MINNESOTA																		
31-33	Manufacturing	333 385	14 044 516	224 149	452 230	7 614 998	41 451 418	41 354 012	82 691 240	2 612 438	1	2	2						
311	Food manufacturing	44 720	1 474 180	34 028	69 961	971 359	5 212 560	10 082 878	15 308 367	657 150	2	3	3						
3111	Animal food manufacturing .	1 983	70 850	1 234	2 692	38 306	216 758	522 799	727 066	13 755	3	5	65						
3112	Grain and oilseed milling ...	2 810	128 011	2 282	4 709	94 941	870 440	1 929 920	2 838 771	397 646	9	9	1						
3113	Sugar and confectionery product manufacturing	2 196	73 079	1 883	3 475	58 221	295 489	385 241	691 007	25 010	1	6	22						
3114	Fruit and vegetable preserving and specialty food manufacturing	5 705	173 330	4 621	9 655	121 245	472 330	753 099	1 213 080	31 387	3	8	24						
3115	Dairy product manufacturing	6 076	233 339	4 396	8 892	150 004	899 400	2 898 363	3 790 133	83 458	4	7	16						
3116	Animal slaughtering and processing	15 252	464 965	12 303	26 281	302 680	1 535 427	2 604 029	4 124 948	54 046	5	7	17						
3118	Bakeries and tortilla manufacturing	5 464	156 397	3 516	6 449	97 704	486 879	301 891	788 260	10 643	2	1	17						
3119	Other food manufacturing ..	4 839	162 085	3 517	7 327	100 039	436 077	633 024	1 067 597	36 985	6	5	18						
312	Beverage and tobacco product manufacturing	1 365	52 064	778	1 609	21 618	110 712	454 653	566 719	11 120	10	14	3						
3121	Beverage manufacturing ...	1 362	51 991	775	1 603	21 568	110 298	453 105	564 757	11 076	10	14	3						
314	Textile product mills	2 021	53 121	1 527	2 874	30 268	101 862	95 525	196 675	2 220	5	5	44						
3149	Other textile product mills ..	1 195	34 885	863	1 635	17 919	64 897	66 473	131 098	1 881	8	8	52						
315	Apparel manufacturing	1 369	32 648	1 152	2 248	24 750	82 183	37 037	121 536	1 671	9	8	60						
3152	Cut and sew apparel manufacturing	1 014	21 254	858	1 732	16 091	49 634	16 198	66 356	1 239	11	13	78						
316	Leather and allied product manufacturing	1 499	67 639	1 059	2 391	33 970	103 450	164 943	255 516	D	2	1	S						
321	Wood product manufacturing .	16 829	641 814	13 316	24 690	449 582	1 510 537	1 734 982	3 256 582	77 273	2	2	7						
3212	Veneer, plywood, and engineered wood product manufacturing	2 846	118 460	2 068	4 728	81 295	406 806	389 660	795 883	16 574	4	8	16						
3219	Other wood product manufacturing	13 131	496 789	10 593	18 688	350 257	1 045 764	1 244 780	2 303 332	59 272	2	1	8						
322	Paper manufacturing	12 797	592 791	9 909	19 733	418 562	2 286 154	1 803 341	4 101 999	129 665	2	1	4						
3221	Pulp, paper, and paperboard mills	3 664	204 642	2 964	5 814	163 191	870 295	762 585	1 622 045	69 672	1	1	1						
3222	Converted paper product manufacturing	9 133	388 148	6 946	13 919	255 371	1 415 859	1 040 755	2 479 954	59 993	2	1	9						
323	Printing and related support activities	30 093	1 217 035	20 292	41 081	712 581	2 593 333	1 702 565	4 293 012	169 634	3	2	5						
3231	Printing and related support activities	30 093	1 217 035	20 292	41 081	712 581	2 593 333	1 702 565	4 293 012	169 634	3	2	5						
324	Petroleum and coal products manufacturing	1 848	122 518	1 172	2 700	74 117	756 901	4 030 258	4 746 403	122 081	1	1	1						
3241	Petroleum and coal products manufacturing ...	1 848	122 518	1 172	2 700	74 117	756 901	4 030 258	4 746 403	122 081	1	1	1						
325	Chemical manufacturing	8 348	423 940	4 454	9 183	180 603	2 589 573	879 640	3 470 840	110 677	9	26	15						
3254	Pharmaceutical and medicine manufacturing...	1 935	103 091	868	1 711	33 858	745 980	277 808	999 065	33 106	1	9	37						
3256	Soap, cleaning compound, and toilet preparation manufacturing	1 575	72 849	804	1 837	37 585	335 596	207 777	544 055	11 272	45	11	10						
3259	Other chemical product and preparation manufacturing	2 738	138 450	1 515	2 881	62 197	502 827	296 511	811 738	31 724	4	2	3						
326	Plastics and rubber products manufacturing	18 672	639 767	14 047	28 286	405 005	1 663 928	1 338 121	3 001 360	129 036	1	2	8						
3261	Plastics product manufacturing	17 462	599 360	13 230	26 663	382 108	1 587 707	1 266 728	2 853 008	126 446	2	2	8						
3262	Rubber product manufacturing	1 210	40 407	817	1 623	22 896	76 221	71 393	148 352	2 590	2	1	19						
327	Nonmetallic mineral product manufacturing	9 336	389 508	6 937	16 041	274 712	1 101 783	696 064	1 790 719	66 454	3	3	19						
3272	Glass and glass product manufacturing	2 214	88 121	1 743	4 118	61 783	241 052	135 992	372 700	8 785	3	2	38						
3273	Cement and concrete product manufacturing	4 429	189 790	2 862	6 326	118 531	445 049	384 278	821 659	34 241	5	6	23						
3279	Other nonmetallic mineral product manufacturing	2 493	106 348	2 179	5 308	90 811	401 339	170 489	576 737	23 253	3	1	41						
331	Primary metal manufacturing .	6 890	281 175	5 250	10 998	191 196	602 880	617 323	1 224 161	32 769	1	1	9						
3315	Foundries	4 971	192 798	3 715	7 747	131 227	405 307	235 938	640 452	14 460	2	2	13						

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
MINNESOTA—Con.													
31-33	Manufacturing—Con.												
332	Fabricated metal product manufacturing	39 151	1 626 987	27 772	54 526	943 361	3 750 164	2 697 942	6 410 927	197 036	1	2	9
3321	Forging and stamping.....	4 194	161 222	3 218	6 518	107 180	379 768	187 337	566 737	18 657	1	1	8
3322	Cutlery and handtool manufacturing	2 296	106 632	1 289	1 711	32 636	333 840	388 930	715 609	13 007	1	4	74
3323	Architectural and structural metals manufacturing	6 408	242 949	4 804	9 552	150 938	581 081	459 952	1 028 551	30 615	2	8	27
3324	Boiler, tank, and shipping container manufacturing ..	2 307	94 060	1 694	3 291	64 585	195 611	336 747	532 525	17 258	4	32	2
3325	Hardware manufacturing ...	1 179	40 006	879	1 713	22 968	129 130	51 538	181 333	D	1	1	S
3326	Spring and wire product manufacturing	1 068	39 337	780	1 458	25 089	72 700	78 597	150 067	11 108	4	23	2
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	10 692	445 766	8 066	16 708	299 429	926 412	453 282	1 375 267	50 738	2	3	16
3328	Coating, engraving, heat treating, and allied activities	3 726	124 314	2 846	5 486	81 816	252 315	107 455	356 613	D	2	3	S
3329	Other fabricated metal product manufacturing	7 281	372 700	4 198	8 091	158 721	879 307	634 104	1 504 224	44 775	1	1	21
333	Machinery manufacturing	31 298	1 394 891	19 323	39 010	681 366	3 684 608	3 103 891	6 779 636	116 473	2	3	4
3331	Agriculture, construction, and mining machinery manufacturing	5 633	226 963	4 116	7 697	132 401	614 378	1 007 558	1 640 050	24 259	10	12	3
3332	Industrial machinery manufacturing	3 359	167 049	1 816	3 701	69 510	309 192	277 761	586 988	8 548	8	10	22
3333	Commercial and service industry machinery manufacturing	3 620	166 740	1 974	3 854	65 952	751 240	398 251	1 133 504	20 714	1	6	11
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	2 907	115 169	1 842	4 184	61 231	312 166	251 279	565 720	10 342	8	9	11
3335	Metalworking machinery manufacturing	4 695	216 664	3 209	6 290	125 220	420 536	191 870	597 026	8 381	2	4	20
3336	Engine, turbine, and power transmission equipment manufacturing	1 226	49 116	819	1 532	27 448	99 261	111 356	208 640	8 739	1	3	18
3339	Other general purpose machinery manufacturing .	9 859	453 190	5 547	11 752	199 604	1 177 836	865 816	2 047 707	35 490	2	2	9
334	Computer and electronic product manufacturing	48 656	2 678 062	23 447	48 439	897 540	8 119 433	4 427 229	12 520 499	490 046	1	1	6
3341	Computer and peripheral equipment manufacturing .	12 844	800 372	3 630	7 405	141 224	1 463 350	1 493 878	2 967 725	151 916	1	2	2
3342	Communications equipment manufacturing	1 867	85 547	1 202	2 302	35 447	431 744	345 763	759 625	14 496	1	11	14
3344	Semiconductor and other electronic component manufacturing	12 098	502 863	7 928	16 659	250 241	1 300 052	1 001 913	2 310 993	111 157	3	4	10
3345	Navigational, measuring, electromedical, and control instruments manufacturing	20 560	1 226 456	9 921	20 750	447 415	4 779 019	1 545 978	6 294 725	177 984	1	1	3
3346	Manufacturing and reproducing magnetic and optical media	963	52 490	604	991	19 484	118 038	19 488	139 927	34 140	14	34	85
335	Electrical equipment, appliance, and component manufacturing	11 583	477 712	7 657	14 785	257 917	1 400 917	1 543 148	2 935 066	43 909	1	2	8
3351	Electric lighting equipment manufacturing	g	D	D	D	D	D	D	D	D	S	S	S
3352	Household appliance manufacturing	g	D	D	D	D	D	D	D	D	S	S	S
3353	Electrical equipment manufacturing	4 653	214 238	2 635	5 536	104 858	455 679	731 100	1 184 533	16 798	3	2	14
3359	Other electrical equipment and component manufacturing	3 635	149 993	2 548	4 976	87 636	643 148	366 465	1 000 320	8 212	2	3	14

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
MINNESOTA—Con.													
31-33	Manufacturing—Con.												
336	Transportation equipment manufacturing	15 978	649 616	12 069	24 639	461 805	2 710 220	4 303 466	6 994 465	104 673	2	3	13
3361	Motor vehicle manufacturing	2 333	154 839	2 043	4 123	135 505	716 256	1 667 814	2 400 642	D	1	1	S
3362	Motor vehicle body and trailer manufacturing	2 833	100 415	2 028	3 631	67 949	287 569	502 819	772 519	11 880	1	1	7
3363	Motor vehicle parts manufacturing	3 585	132 614	2 869	6 358	84 556	385 982	284 355	628 811	18 938	10	23	36
3364	Aerospace product and parts manufacturing	988	58 352	622	1 310	35 120	112 189	128 530	241 878	13 006	6	2	91
3366	Ship and boat building	2 637	83 154	2 030	4 090	65 283	278 240	363 201	641 440	D	4	12	S
3369	Other transportation equipment manufacturing	3 405	109 462	2 396	4 941	70 064	921 642	1 336 803	2 279 819	35 427	1	1	5
337	Furniture and related product manufacturing	11 907	392 550	8 939	17 220	251 211	900 135	595 186	1 498 731	25 457	3	3	6
3371	Household and institutional furniture and kitchen cabinet manufacturing	7 627	237 779	5 958	11 075	159 324	560 728	343 188	906 216	14 602	1	1	6
3372	Office furniture (including fixtures) manufacturing	3 844	138 308	2 679	5 353	83 152	291 441	211 572	504 333	8 408	7	9	13
339	Miscellaneous manufacturing	18 661	824 054	10 723	21 238	325 085	2 138 097	1 014 880	3 154 733	121 997	3	7	8
3391	Medical equipment and supplies manufacturing	11 809	583 120	6 288	12 612	200 121	1 564 481	644 123	2 203 809	110 703	4	9	9
3399	Other miscellaneous manufacturing	6 853	240 934	4 435	8 626	124 964	573 616	370 757	950 924	11 293	5	3	4
MISSISSIPPI													
31-33	Manufacturing	167 606	5 256 677	134 000	260 005	3 628 192	17 168 991	22 834 793	39 995 014	1 832 506	1	1	1
311	Food manufacturing	25 147	557 320	22 407	41 960	443 285	2 293 408	2 691 851	4 993 221	76 197	1	1	5
3116	Animal slaughtering and processing	18 712	382 287	17 232	32 367	323 138	1 546 513	1 460 080	3 023 841	38 381	1	1	10
3117	Seafood product preparation and packaging	3 112	70 194	2 848	5 051	52 705	187 395	337 264	524 517	17 809	6	3	11
313	Textile mills	1 091	40 944	934	1 910	29 740	94 409	145 570	238 024	13 970	12	3	2
3132	Fabric mills	1 039	39 415	890	1 821	28 626	92 415	140 278	229 926	D	12	3	S
314	Textile product mills	2 587	57 320	2 110	4 011	40 986	199 846	204 698	387 308	D	2	1	S
3141	Textile furnishings mills	1 613	35 513	1 329	2 484	25 391	143 253	155 706	284 399	963	1	1	1
3149	Other textile product mills	974	21 807	781	1 527	15 595	56 593	48 992	102 909	D	5	5	S
315	Apparel manufacturing	5 331	96 750	4 336	7 239	60 081	255 964	393 409	648 728	3 498	4	7	10
3152	Cut and sew apparel manufacturing	4 544	78 223	3 656	5 961	46 291	226 259	323 444	546 677	D	5	2	S
321	Wood product manufacturing	11 857	352 634	10 134	21 433	263 803	972 960	1 530 778	2 492 406	49 364	2	3	7
3211	Sawmills and wood preservation	4 797	151 483	4 240	9 335	126 454	324 913	874 277	1 190 886	27 320	2	3	12
3212	Veneer, plywood, and engineered wood product manufacturing	3 011	104 924	2 548	5 510	74 044	414 327	396 932	811 050	15 540	7	5	2
3219	Other wood product manufacturing	4 048	96 227	3 346	6 588	63 304	233 720	259 570	490 470	6 504	4	6	14
322	Paper manufacturing	6 125	292 152	4 807	9 967	198 199	1 162 420	1 280 640	2 451 623	48 371	1	1	4
3221	Pulp, paper, and paperboard mills	3 061	175 649	2 444	5 024	121 877	786 055	795 467	1 587 824	35 116	1	1	1
3222	Converted paper product manufacturing	3 064	116 503	2 363	4 943	76 322	376 365	485 173	863 799	13 255	3	2	15
323	Printing and related support activities	3 093	112 132	2 163	5 248	75 076	297 578	207 564	501 047	18 094	9	6	39
3231	Printing and related support activities	3 093	112 132	2 163	5 248	75 076	297 578	207 564	501 047	18 094	9	6	39
324	Petroleum and coal products manufacturing	1 938	121 795	1 333	2 247	81 611	517 412	2 939 664	3 437 267	D	1	1	S
3241	Petroleum and coal products manufacturing	1 938	121 795	1 333	2 247	81 611	517 412	2 939 664	3 437 267	D	1	1	S

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —			
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
		A	B	C	D	E					F	G	H	I
	MISSISSIPPI—Con.													
31-33	Manufacturing—Con.													
325	Chemical manufacturing	6 562	278 266	4 784	9 385	174 217	2 174 508	2 138 045	4 321 244	120 639	2	2	2	
3251	Basic chemical manufacturing	1 382	74 571	923	2 150	48 152	864 324	551 569	1 409 666	47 196	6	4	1	
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	1 078	54 605	874	2 064	37 854	342 505	767 608	1 117 435	15 395	8	1	13	
3254	Pharmaceutical and medicine manufacturing	1 574	48 409	1 135	1 570	23 845	64 394	56 765	128 489	D	1	1	S	
326	Plastics and rubber products manufacturing	9 141	304 434	7 608	14 584	225 933	913 492	1 088 964	2 012 645	46 299	6	6	13	
3261	Plastics product manufacturing	6 549	195 892	5 408	10 057	137 373	604 796	859 124	1 464 632	34 834	8	8	17	
3262	Rubber product manufacturing	2 592	108 542	2 200	4 527	88 560	308 696	229 840	548 013	11 465	1	1	1	
327	Nonmetallic mineral product manufacturing	3 937	134 172	3 162	7 117	99 354	448 606	322 946	777 828	21 742	9	4	15	
3273	Cement and concrete product manufacturing	2 083	64 111	1 696	3 529	48 760	215 053	161 106	377 838	12 246	7	7	25	
331	Primary metal manufacturing	2 618	92 741	2 213	4 646	75 178	234 653	718 922	957 901	13 356	2	5	12	
332	Fabricated metal product manufacturing	12 041	386 597	9 725	18 745	277 864	974 800	1 064 721	2 041 343	24 225	2	3	11	
3323	Architectural and structural metals manufacturing	4 581	135 809	3 527	6 547	84 023	287 844	370 208	665 422	7 838	4	7	9	
3324	Boiler, tank, and shipping container manufacturing	2 156	79 495	1 713	3 664	60 537	244 978	323 728	559 196	6 207	5	7	13	
3325	Hardware manufacturing	1 519	41 729	1 382	2 732	37 715	118 439	115 012	234 036	2 823	3	1	12	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1 316	42 269	1 042	2 007	29 348	85 611	52 421	137 398	3 515	1	4	60	
333	Machinery manufacturing	10 978	351 502	8 478	16 343	232 881	1 132 385	1 296 590	2 433 950	28 975	4	2	9	
3331	Agriculture, construction, and mining machinery manufacturing	1 057	31 084	820	2 294	20 625	235 940	430 251	681 972	5 446	37	5	43	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3 986	108 735	3 287	5 645	79 475	218 153	236 408	452 541	6 059	1	2	8	
3336	Engine, turbine, and power transmission equipment manufacturing	1 045	36 585	811	1 651	26 542	170 383	166 947	334 901	D	1	1	S	
3339	Other general purpose machinery manufacturing	2 993	109 632	2 102	4 098	65 356	288 680	306 835	588 787	8 091	1	4	11	
334	Computer and electronic product manufacturing	2 583	80 947	1 383	3 457	39 972	306 349	179 254	488 177	7 497	1	1	3	
3342	Communications equipment manufacturing	1 260	32 515	638	1 935	18 344	78 712	87 766	165 821	D	1	5	S	
335	Electrical equipment, appliance, and component manufacturing	9 827	307 715	7 986	15 489	201 348	891 516	1 116 266	2 006 367	29 235	1	1	2	
3351	Electric lighting equipment manufacturing	1 749	61 602	1 361	2 538	44 386	101 151	188 537	289 198	3 917	1	1	1	
3352	Household appliance manufacturing	2 751	69 658	2 275	4 260	47 487	341 563	427 461	773 179	16 283	1	1	3	
3353	Electrical equipment manufacturing	4 605	153 587	3 830	7 815	97 236	390 240	444 329	836 037	8 523	1	1	1	
336	Transportation equipment manufacturing	22 707	841 100	17 313	30 372	535 634	2 167 335	3 203 626	5 360 543	1 085 851	1	1	1	
3361	Motor vehicle manufacturing	h	D	D	D	D	D	D	D	D	D	S	S	S
3362	Motor vehicle body and trailer manufacturing	f	D	D	D	D	D	D	D	D	D	S	S	S
3363	Motor vehicle parts manufacturing	5 940	200 743	4 892	9 202	143 911	605 302	630 020	1 223 748	D	1	5	S	
3366	Ship and boat building	12 837	503 990	9 091	15 231	303 239	881 510	863 000	1 744 510	D	1	1	S	
337	Furniture and related product manufacturing	25 604	708 105	20 143	40 168	499 439	1 693 405	2 006 725	3 702 974	48 976	1	2	4	
3371	Household and institutional furniture and kitchen cabinet manufacturing	23 520	647 747	18 654	36 382	458 710	1 475 856	1 839 947	3 318 395	41 889	1	2	3	
3372	Office furniture (including fixtures) manufacturing	1 615	45 391	1 176	3 113	32 461	177 607	112 745	291 935	6 465	10	6	24	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	MISSISSIPPI—Con.																
31-33	Manufacturing—Con.																
339	Miscellaneous manufacturing . . .	3 967	127 622	2 818	5 433	70 420	366 583	221 348	589 745	10 892	5	6	26				
3391	Medical equipment and supplies manufacturing . . .	1 032	38 016	676	1 231	16 683	101 514	44 314	143 458	3 567	1	20	32				
3399	Other miscellaneous manufacturing . . .	2 935	89 606	2 143	4 202	53 737	265 069	177 033	446 287	7 325	6	2	36				
	MISSOURI																
31-33	Manufacturing	306 062	12 405 270	226 072	445 798	8 111 140	43 120 239	53 077 943	95 941 135	2 060 325	1	1	2				
311	Food manufacturing	35 873	1 107 746	28 362	59 144	799 048	5 761 712	7 466 717	13 148 244	286 929	3	3	8				
3111	Animal food manufacturing . . .	1 896	74 487	1 372	3 027	47 766	442 369	560 436	1 006 783	20 809	1	1	11				
3112	Grain and oilseed milling . . .	2 693	90 604	2 337	4 917	70 071	530 734	1 637 751	2 155 148	80 541	20	2	13				
3114	Fruit and vegetable preserving and specialty food manufacturing	2 519	77 757	2 219	4 001	61 755	315 658	425 184	738 617	16 790	1	1	1				
3115	Dairy product manufacturing	5 675	212 864	4 640	10 034	168 596	1 124 269	2 099 613	3 193 112	52 314	1	5	5				
3116	Animal slaughtering and processing	13 855	327 490	12 180	24 585	261 892	1 316 832	1 449 198	2 753 588	42 444	1	1	7				
3118	Bakeries and tortilla manufacturing	5 176	185 684	2 534	6 919	98 573	686 377	459 792	1 113 443	57 143	16	21	34				
3119	Other food manufacturing . . .	3 131	107 662	2 388	4 690	72 938	1 271 160	755 996	2 034 375	14 869	5	1	19				
312	Beverage and tobacco product manufacturing	3 460	160 784	2 293	4 657	100 361	1 274 910	997 148	2 270 450	D	1	1	S				
3121	Beverage manufacturing . . .	3 451	160 465	2 286	4 643	100 158	1 273 001	996 755	2 268 148	D	1	1	S				
314	Textile product mills	1 919	47 056	1 592	3 147	31 954	147 057	150 143	302 766	3 408	5	4	18				
3149	Other textile product mills . .	1 376	34 127	1 132	2 158	22 207	111 652	97 232	209 421	2 909	5	5	20				
315	Apparel manufacturing	4 538	78 462	3 902	7 024	55 353	210 508	115 062	321 351	1 037	6	2	43				
3152	Cut and sew apparel manufacturing	3 018	53 349	2 656	4 900	38 121	133 241	56 089	187 979	77	9	3	1				
3159	Apparel accessories and other apparel manufacturing	1 487	24 515	1 215	2 077	16 762	76 077	58 524	131 963	954	2	3	47				
316	Leather and allied product manufacturing	1 580	36 726	1 312	2 607	26 291	122 937	254 566	364 226	3 321	9	9	36				
321	Wood product manufacturing . .	8 059	213 958	6 718	13 015	153 471	468 843	651 957	1 115 443	22 743	5	6	14				
3211	Sawmills and wood preservation	1 566	46 141	1 367	2 711	35 179	101 992	210 421	314 672	7 650	2	17	31				
3219	Other wood product manufacturing	5 553	140 231	4 706	9 048	103 266	314 907	387 927	695 960	14 226	7	8	15				
322	Paper manufacturing	9 758	384 422	7 703	16 483	279 756	1 773 251	1 798 765	3 580 222	112 099	5	2	5				
3221	Pulp, paper, and paperboard mills	g	D	D	D	D	D	D	D	D	S	S	S				
3222	Converted paper product manufacturing	i	D	D	D	D	D	D	D	D	S	S	S				
323	Printing and related support activities	18 212	695 109	12 930	25 766	420 303	1 603 951	928 113	2 556 702	72 997	1	3	10				
3231	Printing and related support activities	18 212	695 109	12 930	25 766	420 303	1 603 951	928 113	2 556 702	72 997	1	3	10				
324	Petroleum and coal products manufacturing	1 745	78 718	1 152	2 417	45 385	293 754	412 761	711 315	23 311	3	2	10				
3241	Petroleum and coal products manufacturing	1 745	78 718	1 152	2 417	45 385	293 754	412 761	711 315	23 311	3	2	10				
325	Chemical manufacturing	18 302	864 814	10 675	21 170	407 613	8 262 713	4 129 052	12 392 229	329 735	2	1	10				
3251	Basic chemical manufacturing	1 953	100 291	1 350	2 732	60 087	438 216	401 692	821 169	51 498	3	1	27				
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2 535	123 006	1 396	2 937	53 196	942 367	743 837	1 643 735	48 598	2	1	21				
3254	Pharmaceutical and medicine manufacturing	6 153	304 906	2 984	5 433	107 269	4 613 191	772 910	5 433 358	121 156	1	1	19				
3255	Paint, coating, and adhesive manufacturing	2 896	116 192	1 592	2 934	49 298	481 846	358 687	830 338	17 718	5	7	31				
3256	Soap, cleaning compound, and toilet preparation manufacturing	3 413	154 062	2 439	5 328	100 034	1 532 874	1 535 077	3 097 116	83 551	3	6	14				
3259	Other chemical product and preparation manufacturing	1 224	60 986	804	1 607	33 395	225 036	254 178	475 804	6 883	19	5	19				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	MISSOURI—Con.																
31-33	Manufacturing—Con.																
326	Plastics and rubber products manufacturing	20 357	656 956	15 912	33 029	440 386	1 930 727	1 686 479	3 601 997	130 973	3	1	6				
3261	Plastics product manufacturing	16 794	540 593	13 101	27 032	356 748	1 588 177	1 432 336	3 004 120	114 991	4	1	7				
3262	Rubber product manufacturing	3 564	116 363	2 811	5 997	83 637	342 550	254 143	597 877	15 982	7	4	10				
327	Nonmetallic mineral product manufacturing	9 124	339 695	6 982	14 061	235 838	1 185 885	736 739	1 920 344	62 219	2	2	9				
3272	Glass and glass product manufacturing	1 193	44 642	956	1 994	32 459	135 468	74 825	200 388	891	1	1	1				
3273	Cement and concrete product manufacturing	5 492	202 098	4 198	8 205	138 750	597 957	496 404	1 098 658	44 619	3	3	13				
331	Primary metal manufacturing .	10 237	361 608	8 032	15 501	258 057	976 785	1 301 800	2 278 715	68 552	1	1	8				
3312	Steel product manufacturing from purchased steel	2 270	71 018	1 781	3 217	51 130	165 695	265 244	434 280	20 525	6	4	26				
3313	Alumina and aluminum production and processing	1 904	81 301	1 500	3 105	59 787	198 202	416 952	617 970	22 139	1	1	2				
3314	Nonferrous metal (except aluminum) production and processing	1 155	42 798	886	1 832	30 040	158 727	324 743	477 849	D	1	1	S				
3315	Foundries	4 776	161 868	3 748	7 100	113 414	450 566	288 849	738 942	20 415	1	1	3				
332	Fabricated metal product manufacturing	31 170	1 173 268	23 392	47 456	760 366	3 180 591	1 941 668	5 101 778	118 627	2	5	6				
3321	Forging and stamping.....	1 455	49 077	1 063	1 949	29 830	91 253	95 666	195 002	3 886	12	7	37				
3323	Architectural and structural metals manufacturing	9 511	366 528	6 582	13 455	219 780	925 372	520 942	1 420 716	36 764	4	2	9				
3324	Boiler, tank, and shipping container manufacturing ..	3 094	133 396	2 357	4 687	90 063	499 354	389 719	882 914	22 194	5	33	3				
3326	Spring and wire product manufacturing	2 749	78 104	2 325	4 842	59 606	237 530	227 780	467 366	10 936	1	1	8				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	4 949	186 286	3 857	7 986	137 270	444 631	180 533	626 120	20 857	5	3	30				
3328	Coating, engraving, heat treating, and allied activities	1 995	73 649	1 479	3 029	44 059	171 717	99 499	270 814	4 788	5	6	16				
3329	Other fabricated metal product manufacturing	6 182	251 574	4 777	9 601	157 089	750 848	338 435	1 089 554	18 432	2	2	11				
333	Machinery manufacturing	31 563	1 166 038	19 045	35 845	591 861	2 751 126	2 457 084	5 293 187	174 794	7	3	6				
3331	Agriculture, construction, and mining machinery manufacturing	2 499	50 961	1 186	1 776	31 052	129 655	177 553	316 196	5 928	3	32	53				
3332	Industrial machinery manufacturing	2 124	107 285	1 251	2 302	43 071	255 611	147 268	401 065	6 738	9	5	21				
3333	Commercial and service industry machinery manufacturing	2 541	98 882	1 523	2 747	41 262	207 509	176 940	392 913	6 717	2	7	7				
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	6 920	229 267	5 458	10 944	156 659	726 194	720 944	1 439 512	28 865	5	2	5				
3335	Metalworking machinery manufacturing	3 728	164 221	2 514	5 023	96 751	301 072	193 215	491 237	18 297	4	6	17				
3336	Engine, turbine, and power transmission equipment manufacturing	3 337	103 162	2 853	5 414	73 551	182 834	638 406	883 555	50 885	5	6	19				
3339	Other general purpose machinery manufacturing .	10 415	412 260	4 260	7 639	149 516	948 250	402 758	1 368 710	57 362	21	6	2				
334	Computer and electronic product manufacturing	8 231	380 840	4 934	9 595	169 202	1 465 131	619 920	2 044 112	76 019	2	1	2				
3342	Communications equipment manufacturing	1 362	61 342	544	1 011	13 934	179 611	148 815	330 428	D	1	1	S				
3344	Semiconductor and other electronic component manufacturing	4 211	190 500	3 086	5 793	123 269	1 020 212	270 439	1 239 056	61 324	1	1	1				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2 082	101 150	1 092	2 368	25 601	208 219	128 414	346 399	5 785	4	4	9				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
MISSOURI—Con.													
31-33	Manufacturing—Con.												
335	Electrical equipment, appliance, and component manufacturing	13 110	437 890	9 995	19 182	283 349	1 528 363	1 249 787	2 810 065	49 128	4	4	7
3353	Electrical equipment manufacturing	6 405	208 507	5 054	9 563	141 024	813 947	513 157	1 340 351	17 871	1	1	6
3359	Other electrical equipment and component manufacturing	6 022	207 932	4 363	8 526	124 967	603 626	660 946	1 279 530	28 446	4	4	12
336	Transportation equipment manufacturing	53 557	3 438 153	42 789	81 106	2 603 197	8 202 739	24 914 040	32 881 939	314 931	1	1	3
3361	Motor vehicle manufacturing	17 014	1 255 500	15 879	32 062	1 139 269	4 855 645	17 382 798	22 171 554	D	1	1	S
3362	Motor vehicle body and trailer manufacturing	g	D	D	D	D	D	D	D	3 009	S	S	41
3363	Motor vehicle parts manufacturing	13 118	507 616	10 579	21 739	370 224	1 311 402	2 177 036	3 485 527	64 809	4	6	11
3364	Aerospace product and parts manufacturing	j	D	D	D	D	D	D	D	D	S	S	S
3366	Ship and boat building	2 436	66 423	1 944	3 208	47 340	232 765	192 812	425 577	6 629	6	8	53
337	Furniture and related product manufacturing	11 637	350 699	8 992	17 013	222 845	770 815	575 501	1 352 909	43 741	2	4	41
3371	Household and institutional furniture and kitchen cabinet manufacturing	8 679	256 597	6 832	13 015	169 357	583 835	418 323	999 718	18 754	2	4	28
3372	Office furniture (including fixtures) manufacturing	2 701	83 845	1 991	3 632	48 646	162 131	132 896	304 011	23 344	3	11	73
339	Miscellaneous manufacturing	13 115	417 189	8 936	16 800	216 505	1 169 934	647 845	1 811 798	40 122	2	1	15
3391	Medical equipment and supplies manufacturing	4 378	153 753	2 976	5 183	81 336	522 691	195 596	715 285	12 895	1	1	25
3399	Other miscellaneous manufacturing	8 737	263 437	5 960	11 617	135 169	647 244	452 249	1 096 513	27 227	3	3	19
MONTANA													
31-33	Manufacturing	16 565	586 594	12 166	22 644	379 292	1 793 537	3 552 562	5 334 052	256 367	4	3	4
311	Food manufacturing	2 142	68 181	1 330	2 706	38 296	209 353	326 283	528 657	7 162	1	2	1
321	Wood product manufacturing	3 803	119 290	3 318	6 307	95 300	274 271	485 248	757 899	6 182	15	7	12
3211	Sawmills and wood preservation	1 800	57 139	1 611	3 060	47 938	109 324	264 056	374 455	3 320	1	7	4
3219	Other wood product manufacturing	1 287	36 496	1 058	1 938	24 687	89 084	81 489	167 407	1 445	2	1	43
327	Nonmetallic mineral product manufacturing	1 109	39 139	889	1 787	29 486	135 635	87 375	224 962	3 211	7	4	36
332	Fabricated metal product manufacturing	1 084	36 640	785	1 427	24 065	83 534	76 978	156 298	5 400	25	20	27
333	Machinery manufacturing	1 216	48 658	702	1 430	21 701	143 903	96 589	243 619	4 502	3	1	3
339	Miscellaneous manufacturing	1 330	40 403	960	1 742	22 858	117 121	68 187	185 163	3 931	2	2	17
3399	Other miscellaneous manufacturing	1 013	29 180	747	1 393	17 667	84 362	60 082	145 344	2 829	2	1	5
NEBRASKA													
31-33	Manufacturing	100 862	3 388 200	77 938	161 725	2 295 917	11 843 831	21 192 108	32 962 250	1 090 274	1	1	2
311	Food manufacturing	37 549	1 124 846	31 220	67 689	858 810	4 035 268	14 579 103	18 564 681	611 997	2	2	3
3111	Animal food manufacturing	1 407	53 016	953	2 051	34 030	505 604	491 903	989 169	12 817	1	2	28
3112	Grain and oilseed milling	1 272	56 639	827	1 875	36 269	654 114	1 575 274	2 217 219	D	1	1	S
3114	Fruit and vegetable preserving and specialty food manufacturing	986	31 738	904	1 836	27 630	193 258	142 000	335 262	D	1	1	S
3116	Animal slaughtering and processing	27 926	795 293	24 432	54 220	646 327	2 193 030	11 702 842	13 863 703	96 871	2	3	12
3118	Bakeries and tortilla manufacturing	3 224	98 456	2 017	3 143	51 799	237 416	138 572	379 950	13 753	9	5	20
3119	Other food manufacturing	1 580	47 381	1 316	2 833	35 323	84 581	193 561	277 308	2 634	1	1	5
321	Wood product manufacturing	1 962	52 589	1 573	3 203	35 818	109 567	146 781	259 356	2 318	1	5	43
3219	Other wood product manufacturing	1 737	45 725	1 417	2 888	32 352	100 048	119 744	218 053	2 189	1	2	46
322	Paper manufacturing	1 596	60 561	1 253	2 700	41 355	176 116	286 539	464 884	8 097	2	2	6
3222	Converted paper product manufacturing	1 594	60 525	1 251	2 696	41 319	176 000	286 496	464 725	8 097	2	2	6

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	NEBRASKA—Con.																
31-33	Manufacturing—Con.																
323	Printing and related support activities	4 255	150 481	3 036	5 512	90 967	298 561	246 368	549 676	20 540	1	6	27				
3231	Printing and related support activities	4 255	150 481	3 036	5 512	90 967	298 561	246 368	549 676	20 540	1	6	27				
325	Chemical manufacturing	2 956	146 714	2 045	4 065	80 518	1 076 116	733 130	1 801 568	46 817	1	2	8				
3254	Pharmaceutical and medicine manufacturing ...	1 968	92 653	1 420	2 838	57 647	793 370	199 681	984 300	30 987	1	1	1				
326	Plastics and rubber products manufacturing	5 996	206 798	4 787	9 945	143 947	496 426	487 319	990 841	24 873	1	3	12				
3261	Plastics product manufacturing	3 327	103 502	2 554	5 452	64 932	252 068	278 890	533 608	20 410	1	2	13				
3262	Rubber product manufacturing	2 669	103 296	2 232	4 494	79 015	244 358	208 429	457 233	4 462	3	5	30				
327	Nonmetallic mineral product manufacturing	2 877	98 995	2 350	4 962	71 748	288 265	271 023	555 846	18 931	1	2	18				
3273	Cement and concrete product manufacturing	2 365	81 397	1 934	4 001	60 249	251 420	242 414	489 034	16 714	1	2	19				
331	Primary metal manufacturing .	1 087	57 106	901	1 768	45 547	129 254	228 256	362 418	D	1	1	S				
332	Fabricated metal product manufacturing	8 245	279 169	6 146	12 356	176 621	692 923	601 931	1 270 236	30 467	4	5	21				
3323	Architectural and structural metals manufacturing	2 837	92 931	1 934	3 992	51 546	202 351	236 901	439 979	3 868	1	2	7				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	1 740	56 988	1 436	2 861	41 701	140 044	60 604	180 878	3 658	5	19	21				
3329	Other fabricated metal product manufacturing	1 953	68 290	1 519	3 156	45 056	159 198	141 942	298 515	8 542	1	1	5				
333	Machinery manufacturing	9 231	351 819	5 975	12 606	195 064	914 148	1 126 326	2 018 300	82 794	6	6	10				
3331	Agriculture, construction, and mining machinery manufacturing	6 164	249 153	4 153	8 544	133 166	581 504	831 974	1 401 487	65 318	9	7	6				
3339	Other general purpose machinery manufacturing .	1 119	38 013	763	1 989	29 755	126 560	135 277	252 208	11 911	5	22	61				
334	Computer and electronic product manufacturing	4 282	157 057	2 473	4 844	81 133	538 126	284 667	839 455	102 396	2	2	2				
3342	Communications equipment manufacturing	1 710	64 221	850	1 509	36 118	262 416	142 759	415 741	D	2	1	S				
3344	Semiconductor and other electronic component manufacturing	1 057	27 365	657	1 320	13 077	93 848	53 291	148 929	D	1	1	S				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1 345	59 237	851	1 787	28 521	165 767	84 015	254 026	D	7	7	S				
335	Electrical equipment, appliance, and component manufacturing	3 904	141 356	2 854	6 190	85 156	711 821	358 175	1 062 337	11 999	2	1	15				
3353	Electrical equipment manufacturing	1 274	55 495	930	2 217	36 998	276 238	174 235	452 958	6 251	7	1	28				
3359	Other electrical equipment and component manufacturing	2 415	79 673	1 785	3 633	44 945	423 675	165 558	576 503	5 649	1	1	1				
336	Transportation equipment manufacturing	7 896	256 786	6 189	11 867	183 074	739 106	1 035 159	1 786 695	38 066	2	2	4				
3362	Motor vehicle body and trailer manufacturing	1 595	46 389	1 256	2 508	30 315	99 045	194 708	294 663	2 179	3	11	28				
3363	Motor vehicle parts manufacturing	3 957	128 678	3 045	6 649	92 093	490 171	348 265	845 558	18 583	4	3	1				
3369	Other transportation equipment manufacturing .	1 633	59 374	1 435	1 848	47 755	99 423	460 789	564 897	D	1	1	S				
337	Furniture and related product manufacturing	2 464	83 303	1 923	3 681	55 250	266 377	166 249	431 162	6 146	6	2	19				
3372	Office furniture (including fixtures) manufacturing ...	1 308	46 255	1 053	1 999	32 845	182 350	80 839	261 901	4 100	4	3	19				
339	Miscellaneous manufacturing .	5 164	177 467	4 224	8 399	129 322	1 243 152	351 146	1 589 143	53 058	2	1	2				
3391	Medical equipment and supplies manufacturing ...	3 484	134 819	2 892	5 979	100 561	1 114 899	266 661	1 384 297	52 015	1	1	2				
3399	Other miscellaneous manufacturing	1 680	42 648	1 333	2 421	28 761	128 254	84 485	204 845	1 043	4	8	25				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	NEVADA																
31-33	Manufacturing	44 278	1 820 517	28 409	60 118	946 851	5 040 107	4 174 160	9 103 481	301 309	6	3	8				
311	Food manufacturing	3 237	112 351	2 331	4 547	72 063	632 307	440 686	1 068 208	25 768	7	4	35				
321	Wood product manufacturing .	1 593	44 968	1 099	2 414	25 925	88 164	89 589	176 930	2 043	3	3	6				
3212	Veneer, plywood, and engineered wood product manufacturing	1 118	30 265	789	1 815	18 476	60 903	53 204	113 309	1 844	2	2	6				
323	Printing and related support activities	2 808	106 757	2 088	4 340	71 269	274 718	239 457	515 813	11 449	3	3	13				
3231	Printing and related support activities	2 808	106 757	2 088	4 340	71 269	274 718	239 457	515 813	11 449	3	3	13				
325	Chemical manufacturing	1 075	43 896	659	1 306	21 628	156 666	93 571	245 786	5 974	11	36	23				
326	Plastics and rubber products manufacturing	2 984	96 609	2 604	5 576	74 583	390 293	335 759	722 852	11 745	1	6	15				
3261	Plastics product manufacturing	2 753	89 362	2 391	5 119	68 116	361 027	300 116	656 146	10 772	1	7	15				
327	Nonmetallic mineral product manufacturing	4 002	166 678	3 350	7 151	136 164	481 666	485 925	965 090	27 859	3	7	14				
3273	Cement and concrete product manufacturing	2 671	112 458	2 310	5 151	97 242	333 776	293 902	626 284	15 765	5	9	16				
331	Primary metal manufacturing .	1 177	53 938	908	1 957	37 096	158 070	133 588	306 494	8 092	1	2	2				
332	Fabricated metal product manufacturing	4 849	174 949	3 552	7 217	110 011	408 572	341 059	767 339	11 706	8	14	13				
3323	Architectural and structural metals manufacturing	2 502	87 550	1 763	3 732	54 033	211 032	199 349	414 413	6 171	3	4	22				
333	Machinery manufacturing	4 662	192 853	1 823	4 160	77 962	340 569	426 942	638 216	19 304	55	40	82				
3339	Other general purpose machinery manufacturing .	3 204	144 315	766	2 139	48 234	186 836	347 606	416 826	16 887	81	73	93				
334	Computer and electronic product manufacturing	3 063	151 771	1 327	2 855	42 037	356 567	199 381	560 217	6 456	2	6	13				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1 907	101 486	709	1 547	25 063	219 428	96 313	317 266	D	3	9	S				
336	Transportation equipment manufacturing	1 550	54 264	1 131	2 154	30 015	124 026	96 732	221 824	6 475	1	2	7				
337	Furniture and related product manufacturing	2 706	85 098	2 160	4 362	56 563	295 472	198 820	494 525	7 049	2	1	44				
3371	Household and institutional furniture and kitchen cabinet manufacturing	1 525	48 300	1 241	2 684	33 876	182 560	127 447	309 938	6 527	3	2	47				
3372	Office furniture (including fixtures) manufacturing ...	961	31 386	717	1 284	17 864	61 289	39 022	100 560	455	1	1	41				
339	Miscellaneous manufacturing .	7 470	428 773	3 221	7 289	125 099	890 552	707 058	1 593 140	98 013	3	1	12				
3399	Other miscellaneous manufacturing	6 804	405 824	2 762	6 307	112 690	836 238	682 171	1 513 028	96 660	3	1	13				
	NEW HAMPSHIRE																
31-33	Manufacturing	83 730	3 562 663	54 045	111 512	1 730 480	8 908 698	7 352 560	16 205 442	455 909	3	1	4				
311	Food manufacturing	1 956	64 533	1 384	2 509	38 850	209 800	362 017	565 403	20 281	10	7	49				
313	Textile mills	1 692	61 082	1 210	2 377	30 611	104 614	107 463	218 619	7 465	4	9	11				
3132	Fabric mills	1 301	51 509	871	1 723	23 642	87 956	88 186	183 096	7 187	5	10	11				
314	Textile product mills	1 001	31 484	682	1 388	21 897	67 338	78 752	147 099	D	1	1	S				
321	Wood product manufacturing .	3 467	114 259	2 616	5 216	66 859	171 794	337 931	548 805	8 617	3	27	27				
3211	Sawmills and wood preservation	1 090	33 830	884	1 883	25 505	S	149 815	205 036	4 758	3	S	43				
3219	Other wood product manufacturing	2 326	78 517	1 698	3 261	40 203	150 042	178 241	325 584	3 771	5	8	30				
322	Paper manufacturing	1 975	83 648	1 377	2 824	46 054	196 925	286 248	478 803	20 094	4	7	37				
3222	Converted paper product manufacturing	1 111	38 940	756	1 492	19 478	64 884	134 729	198 506	12 226	6	19	59				
323	Printing and related support activities	6 199	203 887	4 771	9 480	129 635	422 089	195 395	627 161	16 597	41	22	41				
3231	Printing and related support activities	6 199	203 887	4 771	9 480	129 635	422 089	195 395	627 161	16 597	41	22	41				
325	Chemical manufacturing	1 863	87 091	1 006	2 152	38 164	253 863	179 800	428 607	8 262	6	6	50				
326	Plastics and rubber products manufacturing	4 932	186 725	3 815	8 567	120 850	488 268	376 418	867 430	21 803	5	3	17				
3261	Plastics product manufacturing	4 223	162 215	3 286	7 457	106 002	433 450	337 460	771 051	21 772	6	4	17				
327	Nonmetallic mineral product manufacturing	2 200	87 297	1 630	3 444	57 415	283 366	198 979	481 717	11 119	4	1	17				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	NEW HAMPSHIRE—Con.																
31-33	Manufacturing—Con.																
331	Primary metal manufacturing . . .	2 263	79 698	1 751	3 592	51 173	173 233	145 079	318 232	8 129	4	4	13				
3315	Foundries	1 512	50 588	1 171	2 340	29 666	121 488	43 646	162 796	1 829	6	5	14				
332	Fabricated metal product manufacturing	11 351	421 118	8 823	18 239	290 866	1 079 731	527 215	1 610 523	38 816	2	4	18				
3323	Architectural and structural metals manufacturing	2 266	83 667	1 781	3 707	61 698	185 914	119 759	305 063	4 231	4	12	36				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2 534	101 385	1 921	4 125	71 463	207 414	59 628	265 550	15 314	5	12	43				
3329	Other fabricated metal product manufacturing	4 953	177 369	3 905	7 828	118 482	570 039	281 054	854 816	18 114	2	3	9				
333	Machinery manufacturing	8 768	438 015	4 265	9 403	168 217	862 105	847 914	1 706 609	54 156	4	2	10				
3332	Industrial machinery manufacturing	2 071	133 286	780	1 885	47 662	176 107	365 523	544 308	20 020	6	6	13				
3333	Commercial and service industry machinery manufacturing	2 173	102 795	852	1 721	25 834	187 599	184 180	370 196	11 450	13	4	34				
3339	Other general purpose machinery manufacturing	2 754	130 871	1 410	3 326	54 352	329 755	209 611	541 804	16 967	4	3	9				
334	Computer and electronic product manufacturing	17 243	1 033 939	7 625	16 843	265 686	2 605 394	2 153 095	4 682 832	121 520	1	2	7				
3342	Communications equipment manufacturing	1 804	105 591	554	1 253	21 882	936 277	451 260	1 331 981	27 711	2	1	1				
3344	Semiconductor and other electronic component manufacturing	7 315	306 843	4 733	10 668	151 584	461 485	896 798	1 382 178	25 921	1	3	24				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	7 361	581 126	2 123	4 786	84 944	1 118 922	707 430	1 783 645	65 956	2	2	8				
335	Electrical equipment, appliance, and component manufacturing	4 111	151 855	2 863	5 852	90 109	549 706	362 474	906 906	17 388	2	2	9				
3351	Electric lighting equipment manufacturing	g	D	D	D	D	D	D	D	D	S	S	S				
3359	Other electrical equipment and component manufacturing	1 661	61 443	1 143	1 983	33 952	230 254	157 243	384 833	D	2	5	S				
336	Transportation equipment manufacturing	2 984	104 902	2 415	4 199	79 697	264 175	328 020	590 813	12 285	1	1	1				
3363	Motor vehicle parts manufacturing	1 824	48 663	1 431	2 466	34 464	182 896	213 113	393 678	D	1	1	S				
337	Furniture and related product manufacturing	1 216	39 546	989	1 673	22 745	68 383	57 663	124 798	2 278	4	9	60				
339	Miscellaneous manufacturing	8 315	292 344	5 359	10 958	166 819	761 903	452 906	1 201 315	29 079	4	3	12				
3391	Medical equipment and supplies manufacturing	4 362	167 306	2 585	5 453	87 589	424 798	194 084	609 749	13 138	4	5	23				
3399	Other miscellaneous manufacturing	3 953	125 038	2 773	5 505	79 230	337 106	258 822	591 565	15 941	8	3	9				
	NEW JERSEY																
31-33	Manufacturing	345 217	15 385 941	226 139	460 048	7 901 562	51 979 452	44 647 999	96 324 612	2 755 748	1	2	3				
311	Food manufacturing	29 321	1 075 684	19 902	39 751	623 729	4 410 105	4 500 521	8 912 241	156 707	1	3	10				
3113	Sugar and confectionery product manufacturing	1 583	80 994	1 020	2 539	46 093	378 031	643 332	1 037 089	26 238	5	31	19				
3114	Fruit and vegetable preserving and specialty food manufacturing	2 794	107 466	2 155	4 523	72 849	795 974	577 515	1 373 268	13 982	5	3	4				
3115	Dairy product manufacturing	2 713	105 503	1 884	4 208	70 588	379 772	611 719	986 079	15 929	7	8	15				
3116	Animal slaughtering and processing	3 458	128 960	2 607	6 385	79 262	335 097	617 582	951 789	14 502	1	2	15				
3118	Bakeries and tortilla manufacturing	11 477	363 233	6 870	11 741	182 932	1 254 586	554 636	1 804 790	44 219	3	3	30				
3119	Other food manufacturing	5 582	225 800	4 011	7 751	131 783	900 307	945 840	1 842 915	25 532	2	3	6				
312	Beverage and tobacco product manufacturing	3 496	162 521	2 193	4 239	89 670	1 567 018	871 671	2 438 076	76 826	1	1	28				
3121	Beverage manufacturing	3 490	162 367	2 188	4 230	89 561	1 566 249	871 555	2 437 191	76 814	1	1	28				
313	Textile mills	5 533	174 707	4 534	9 094	120 764	400 025	534 001	947 634	13 860	3	7	23				
3132	Fabric mills	2 435	67 994	1 993	3 907	48 819	143 550	161 674	314 090	D	5	19	S				
3133	Textile and fabric finishing and fabric coating mills	2 396	82 253	1 968	4 156	56 052	197 502	227 803	429 309	9 797	6	4	32				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
NEW JERSEY—Con.													
31-33	Manufacturing—Con.												
314	Textile product mills	4 866	134 227	3 861	8 383	85 300	338 626	330 615	677 446	4 231	11	9	32
3141	Textile furnishings mills	2 334	49 952	2 033	3 765	37 975	172 201	171 866	343 826	961	13	1	37
3149	Other textile product mills ..	2 533	84 276	1 828	4 618	47 326	166 425	158 749	333 620	3 269	16	18	41
315	Apparel manufacturing	11 637	277 756	8 241	15 358	164 898	677 667	688 796	1 341 134	8 248	5	4	15
3152	Cut and sew apparel manufacturing	10 131	237 317	7 085	12 787	139 118	574 650	563 143	1 120 750	8 057	6	4	15
321	Wood product manufacturing .	3 339	107 456	2 532	4 880	64 186	233 898	262 289	489 322	6 864	5	2	10
3219	Other wood product manufacturing	2 312	66 031	1 808	3 624	41 262	148 885	196 790	336 774	2 127	7	3	27
322	Paper manufacturing	15 055	666 317	11 539	23 360	427 527	1 567 595	1 907 047	3 466 695	97 861	2	3	19
3221	Pulp, paper, and paperboard mills	1 866	108 016	1 529	3 639	85 527	225 204	390 762	618 031	9 815	8	7	11
3222	Converted paper product manufacturing	13 190	558 301	10 010	19 721	342 000	1 342 391	1 516 284	2 848 664	88 046	2	3	21
323	Printing and related support activities	25 475	1 110 390	18 215	35 776	662 453	2 095 424	1 472 445	3 544 184	134 279	4	15	11
3231	Printing and related support activities	25 475	1 110 390	18 215	35 776	662 453	2 095 424	1 472 445	3 544 184	134 279	4	15	11
324	Petroleum and coal products manufacturing	3 906	265 980	2 315	5 013	144 058	2 354 352	7 504 546	10 009 011	212 666	1	1	1
3241	Petroleum and coal products manufacturing ...	3 906	265 980	2 315	5 013	144 058	2 354 352	7 504 546	10 009 011	212 666	1	1	1
325	Chemical manufacturing	61 991	3 566 714	30 328	59 663	1 304 091	17 498 458	9 944 854	27 476 318	1 143 758	2	4	4
3251	Basic chemical manufacturing	7 769	486 295	3 833	8 912	222 143	2 497 546	2 197 213	4 746 349	137 571	3	1	5
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	1 997	111 263	1 392	2 936	74 681	376 865	629 224	1 000 794	28 963	4	5	37
3254	Pharmaceutical and medicine manufacturing ...	30 185	1 945 556	12 197	21 900	543 883	10 121 191	3 113 567	13 220 670	753 385	3	7	6
3255	Paint, coating, and adhesive manufacturing	2 504	114 397	1 600	3 155	58 180	613 718	625 962	1 244 089	16 098	3	5	8
3256	Soap, cleaning compound, and toilet preparation manufacturing	15 195	709 615	8 637	16 822	304 144	3 297 430	2 686 445	5 969 129	153 853	2	2	3
3259	Other chemical product and preparation manufacturing	3 969	183 318	2 456	5 506	94 387	551 705	634 191	1 194 753	53 040	9	7	31
326	Plastics and rubber products manufacturing	28 405	964 517	21 088	45 712	609 336	2 306 319	2 279 087	4 631 896	139 136	6	5	20
3261	Plastics product manufacturing	25 775	870 544	19 174	41 701	552 509	2 056 877	2 064 272	4 164 050	131 568	7	6	22
3262	Rubber product manufacturing	2 631	93 972	1 915	4 012	56 827	249 442	214 815	467 846	7 567	1	1	4
327	Nonmetallic mineral product manufacturing	13 886	552 988	10 643	22 122	383 689	1 512 525	1 101 580	2 591 593	183 615	2	2	23
3271	Clay product and refractory manufacturing	1 149	37 652	993	1 928	28 310	79 384	42 604	120 687	4 159	6	13	46
3272	Glass and glass product manufacturing	6 119	226 766	4 780	9 844	168 319	623 246	354 038	959 445	99 282	1	2	37
3273	Cement and concrete product manufacturing	4 386	187 361	3 145	6 681	114 406	456 416	398 481	854 377	32 116	3	3	15
3279	Other nonmetallic mineral product manufacturing	1 729	78 766	1 357	2 664	55 949	251 651	192 526	443 061	17 771	5	5	16
331	Primary metal manufacturing .	6 793	298 412	4 982	10 882	192 187	742 302	946 287	1 693 442	41 829	3	6	9
3313	Alumina and aluminum production and processing	1 200	48 296	923	2 200	28 852	93 837	239 065	331 222	D	2	3	S
3314	Nonferrous metal (except aluminum) production and processing	1 899	90 062	1 220	2 852	52 244	234 497	256 788	493 728	14 922	1	2	20
3315	Foundries	2 579	114 284	1 958	4 192	77 003	262 143	244 118	505 517	16 201	6	2	15

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
NEW JERSEY—Con.													
31-33	Manufacturing—Con.												
332	Fabricated metal product manufacturing	33 014	1 306 283	23 458	48 320	770 836	3 071 584	2 396 293	5 429 848	112 333	2	5	10
3321	Forging and stamping.....	3 397	144 048	2 442	4 799	83 731	308 070	230 770	521 447	11 125	10	7	23
3322	Cutlery and handtool manufacturing	2 304	73 964	1 741	3 359	47 523	238 164	196 872	435 414	11 641	4	4	12
3323	Architectural and structural metals manufacturing	9 364	340 822	6 590	13 615	205 071	924 531	883 271	1 808 193	32 109	5	16	28
3324	Boiler, tank, and shipping container manufacturing ..	1 154	56 484	827	1 869	34 928	187 498	194 719	376 904	5 430	34	15	11
3326	Spring and wire product manufacturing	1 924	74 757	1 487	2 892	44 338	150 798	99 620	243 954	9 764	6	8	34
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	6 463	288 613	4 778	10 146	187 578	551 390	264 243	802 844	16 717	3	4	22
3328	Coating, engraving, heat treating, and allied activities	2 218	90 203	1 756	3 495	52 695	164 029	66 291	229 473	5 645	7	5	29
3329	Other fabricated metal product manufacturing	5 886	226 642	3 572	7 562	106 343	507 191	447 661	958 976	19 791	2	1	10
333	Machinery manufacturing	19 125	902 155	11 426	23 518	409 477	2 139 724	1 762 692	3 829 710	61 437	4	4	11
3332	Industrial machinery manufacturing	3 309	181 506	1 740	3 234	72 052	343 845	424 170	757 715	17 442	5	8	11
3333	Commercial and service industry machinery manufacturing	2 539	125 732	1 191	2 347	39 213	330 467	147 507	461 161	5 802	5	1	17
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	3 663	113 584	2 781	5 532	76 069	329 826	459 271	798 575	7 859	6	6	8
3335	Metalworking machinery manufacturing	2 390	116 881	1 777	4 032	79 505	282 306	108 400	381 049	5 812	5	10	45
3339	Other general purpose machinery manufacturing .	6 563	323 336	3 407	7 411	124 719	738 806	566 896	1 263 190	21 258	10	8	26
334	Computer and electronic product manufacturing	28 312	1 592 766	16 863	36 051	763 972	4 741 907	2 727 473	7 465 461	166 347	2	4	8
3342	Communications equipment manufacturing	5 256	276 282	2 313	4 348	72 708	832 965	433 230	1 200 237	18 694	5	7	8
3344	Semiconductor and other electronic component manufacturing	7 312	343 043	5 212	12 803	203 344	1 684 974	850 156	2 560 153	43 025	7	12	22
3345	Navigational, measuring, electromedical, and control instruments manufacturing	13 959	874 364	8 247	16 324	449 412	1 936 114	1 230 280	3 179 034	69 089	1	1	6
335	Electrical equipment, appliance, and component manufacturing	8 334	318 982	5 724	11 547	163 906	824 038	795 724	1 631 783	24 399	2	2	19
3351	Electric lighting equipment manufacturing	2 182	69 765	1 556	3 178	37 068	264 210	197 938	463 651	6 526	2	2	21
3353	Electrical equipment manufacturing	2 219	94 020	1 397	2 765	41 509	205 621	147 961	355 695	4 133	1	3	37
3359	Other electrical equipment and component manufacturing	3 822	150 918	2 684	5 422	82 901	342 200	430 256	779 561	13 406	4	5	31
336	Transportation equipment manufacturing	8 212	396 697	6 636	12 957	300 686	1 393 489	2 518 738	3 889 626	12 389	1	1	1
3361	Motor vehicle manufacturing	h	D	D	D	D	D	D	D	D	S	S	S
3363	Motor vehicle parts manufacturing	1 517	61 990	1 189	2 266	40 778	159 043	206 903	351 319	2 960	3	3	2
3364	Aerospace product and parts manufacturing	1 083	47 634	717	1 623	25 011	110 021	64 386	168 807	1 650	1	2	1
3366	Ship and boat building	2 189	76 026	1 767	3 585	56 813	169 813	151 774	321 587	3 601	2	2	1
337	Furniture and related product manufacturing	9 491	323 101	7 182	15 129	205 412	705 551	552 033	1 258 190	11 702	2	4	24
3371	Household and institutional furniture and kitchen cabinet manufacturing	3 816	124 945	2 804	5 793	77 857	249 740	203 024	455 484	3 216	2	4	24
3372	Office furniture (including fixtures) manufacturing ...	3 614	133 648	2 702	5 696	88 388	277 113	183 007	459 053	5 367	3	7	43
3379	Other furniture related product manufacturing	2 061	64 508	1 676	3 641	39 167	178 698	166 001	343 653	3 119	8	9	44

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
NEW JERSEY—Con.													
31-33	Manufacturing—Con.												
339	Miscellaneous manufacturing	24 465	1 171 821	14 070	27 664	407 103	3 360 545	1 509 265	4 519 984	146 534	2	2	13
3391	Medical equipment and supplies manufacturing	13 499	780 598	6 668	12 843	208 720	2 371 390	668 333	2 705 800	111 363	3	2	13
3399	Other miscellaneous manufacturing	10 967	391 223	7 402	14 821	198 383	989 155	840 932	1 814 184	35 171	4	4	37
NEW MEXICO													
31-33	Manufacturing	29 900	1 168 715	21 911	44 463	722 677	6 149 934	4 601 296	10 669 689	528 813	2	5	48
311	Food manufacturing	4 068	127 992	3 120	7 067	82 497	688 872	878 002	1 573 788	27 315	6	3	7
321	Wood product manufacturing	1 077	32 681	869	2 063	21 811	65 148	75 322	134 765	3 556	11	12	24
323	Printing and related support activities	995	28 019	670	1 279	18 513	60 068	34 062	93 643	1 023	2	3	26
3231	Printing and related support activities	995	28 019	670	1 279	18 513	60 068	34 062	93 643	1 023	2	3	26
327	Nonmetallic mineral product manufacturing	2 421	77 661	1 977	3 748	53 266	225 198	176 178	403 562	7 365	4	4	15
3273	Cement and concrete product manufacturing	1 320	42 543	1 084	1 895	28 884	108 420	106 520	217 593	3 296	6	8	31
332	Fabricated metal product manufacturing	2 403	82 724	2 012	4 018	55 421	190 257	137 764	308 670	17 323	6	9	56
333	Machinery manufacturing	1 477	62 134	1 017	2 013	34 528	113 511	111 228	219 859	5 382	3	18	30
334	Computer and electronic product manufacturing	5 518	311 775	3 512	6 930	181 889	3 434 829	664 859	4 032 933	130 250	5	1	26
3344	Semiconductor and other electronic component manufacturing	4 210	250 849	2 830	5 557	158 613	3 316 887	568 854	3 828 251	128 397	6	1	27
335	Electrical equipment, appliance, and component manufacturing	1 525	30 414	1 297	2 460	22 049	70 524	98 306	166 557	3 847	2	35	24
3353	Electrical equipment manufacturing	1 203	17 513	1 059	1 947	13 622	A	66 666	80 602	2 310	2	A	41
336	Transportation equipment manufacturing	2 665	151 468	1 602	3 628	76 456	373 999	185 939	558 840	18 112	1	1	1
3364	Aerospace product and parts manufacturing	2 150	137 782	1 174	2 776	67 377	343 495	155 070	498 458	17 776	1	1	1
339	Miscellaneous manufacturing	3 321	99 638	2 332	4 409	59 782	216 288	567 959	794 946	6 695	3	3	2
3391	Medical equipment and supplies manufacturing	1 107	39 795	752	1 497	24 514	104 383	451 987	558 666	5 815	1	1	1
3399	Other miscellaneous manufacturing	2 214	59 843	1 580	2 912	35 267	111 905	115 972	236 281	880	4	6	13
NEW YORK													
31-33	Manufacturing	592 077	24 434 147	397 789	807 296	13 169 242	80 198 578	61 900 505	142 252 316	4 995 786	1	1	2
311	Food manufacturing	47 711	1 575 065	32 436	64 563	949 942	6 508 970	7 317 053	13 812 580	373 022	1	2	13
3111	Animal food manufacturing	1 936	75 891	1 254	2 543	43 495	579 559	620 631	1 200 073	25 357	6	5	28
3113	Sugar and confectionery product manufacturing	3 071	106 944	2 443	4 793	64 261	333 760	686 442	1 016 979	D	2	1	S
3114	Fruit and vegetable preserving and specialty food manufacturing	6 915	229 976	5 535	10 773	155 457	1 272 323	1 181 353	2 450 197	73 526	4	5	23
3115	Dairy product manufacturing	6 457	245 412	4 827	9 816	167 911	1 033 693	2 245 930	3 287 601	84 024	6	7	4
3116	Animal slaughtering and processing	4 232	126 694	3 440	7 180	86 289	351 731	671 012	1 022 191	11 893	1	7	25
3118	Bakeries and tortilla manufacturing	16 792	464 831	9 079	16 844	243 844	1 291 750	632 025	1 918 347	92 334	2	5	50
3119	Other food manufacturing	6 966	253 921	4 917	10 354	139 120	1 014 550	867 739	1 877 110	36 562	2	2	18
312	Beverage and tobacco product manufacturing	3 325	142 569	3 802	7 155	128 165	942 297	924 607	1 885 432	103 616	88	38	13
3121	Beverage manufacturing	3 217	138 760	3 719	6 994	125 733	829 891	912 106	1 760 529	103 587	91	43	13
313	Textile mills	8 615	270 769	6 671	13 613	166 825	758 671	968 479	1 708 322	21 600	2	5	13
3132	Fabric mills	3 657	115 789	3 008	5 985	77 115	341 958	304 831	654 448	15 725	2	2	16
3133	Textile and fabric finishing and fabric coating mills	4 772	149 141	3 532	7 365	86 939	403 788	636 842	1 014 107	5 132	2	9	24
314	Textile product mills	7 737	208 942	4 684	9 527	107 764	527 523	692 124	1 244 156	9 367	5	9	25
3141	Textile furnishings mills	3 021	90 696	1 913	3 721	40 101	284 250	358 551	635 754	2 075	2	3	22
3149	Other textile product mills	4 716	118 246	2 772	5 806	67 663	243 273	333 573	608 402	7 292	9	19	32

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
NEW YORK—Con.													
31-33	Manufacturing—Con.												
315	Apparel manufacturing	37 047	916 690	28 100	54 948	503 033	2 521 553	2 562 654	5 108 225	48 023	3	2	12
3151	Apparel knitting mills	2 063	49 234	1 678	3 240	33 657	89 424	162 752	249 381	1 890	7	4	10
3152	Cut and sew apparel manufacturing	30 111	737 008	22 655	44 570	391 525	2 148 582	2 164 984	4 347 123	41 138	3	3	14
3159	Apparel accessories and other apparel manufacturing	4 873	130 448	3 767	7 137	77 850	283 546	234 919	511 720	4 995	4	4	4
316	Leather and allied product manufacturing	2 228	64 475	1 702	3 517	38 993	131 416	105 484	240 080	2 704	6	6	35
3169	Other leather and allied product manufacturing	1 148	29 680	885	1 841	17 443	67 691	41 437	106 655	705	12	4	21
321	Wood product manufacturing	8 230	252 262	6 612	13 906	171 791	585 812	777 680	1 352 239	16 755	6	5	12
3211	Sawmills and wood preservation	1 712	54 929	1 378	2 868	40 587	132 015	304 497	429 953	2 793	8	12	11
3219	Other wood product manufacturing	5 770	171 099	4 662	9 860	114 823	402 341	380 112	778 009	11 579	6	5	16
322	Paper manufacturing	19 048	785 232	14 448	30 000	507 522	2 115 425	2 285 618	4 392 546	129 412	1	2	9
3221	Pulp, paper, and paperboard mills	5 133	262 481	3 980	8 986	189 571	968 417	974 777	1 940 468	59 776	1	1	10
3222	Converted paper product manufacturing	13 915	522 750	10 467	21 014	317 950	1 147 009	1 310 841	2 452 078	69 635	2	4	14
323	Printing and related support activities	42 077	1 611 096	30 740	57 654	1 009 508	3 745 425	2 110 814	5 833 912	179 094	1	2	15
3231	Printing and related support activities	42 077	1 611 096	30 740	57 654	1 009 508	3 745 425	2 110 814	5 833 912	179 094	1	2	15
324	Petroleum and coal products manufacturing	1 687	73 087	1 169	2 438	50 285	267 086	356 108	624 660	11 499	3	5	17
3241	Petroleum and coal products manufacturing	1 687	73 087	1 169	2 438	50 285	267 086	356 108	624 660	11 499	3	5	17
325	Chemical manufacturing	55 979	3 109 450	31 141	68 384	1 307 328	23 496 535	9 735 505	33 570 140	794 297	1	1	5
3251	Basic chemical manufacturing	4 068	221 165	2 601	4 998	122 924	1 007 007	676 738	1 697 213	73 601	1	3	12
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	2 115	124 395	1 301	2 972	66 149	329 712	328 899	650 684	33 812	1	1	1
3254	Pharmaceutical and medicine manufacturing	19 356	1 047 702	11 349	24 547	452 392	13 062 027	3 815 864	17 112 835	373 063	1	2	8
3255	Paint, coating, and adhesive manufacturing	1 597	70 202	879	1 811	26 793	320 020	214 527	538 081	1 991	12	2	25
3256	Soap, cleaning compound, and toilet preparation manufacturing	6 706	279 487	4 215	8 320	124 724	4 372 390	1 085 851	5 489 521	71 163	10	1	22
3259	Other chemical product and preparation manufacturing	21 380	1 340 481	10 244	24 589	500 403	4 330 550	3 465 735	7 848 430	239 754	1	1	6
326	Plastics and rubber products manufacturing	30 015	1 021 019	22 938	46 691	644 485	2 825 556	2 309 998	5 128 820	152 279	3	2	6
3261	Plastics product manufacturing	26 963	890 724	20 621	41 903	551 665	2 510 277	2 068 566	4 578 605	137 304	3	2	7
3262	Rubber product manufacturing	3 052	130 295	2 317	4 788	92 820	315 279	241 432	550 215	14 974	4	6	18
327	Nonmetallic mineral product manufacturing	17 875	723 615	13 200	27 141	477 894	2 110 258	1 419 544	3 514 331	194 056	2	2	20
3271	Clay product and refractory manufacturing	3 817	139 304	2 781	5 683	87 582	345 117	211 918	561 682	19 224	2	2	8
3272	Glass and glass product manufacturing	3 627	152 642	2 824	5 482	104 774	421 896	266 948	671 619	22 621	7	4	29
3273	Cement and concrete product manufacturing	5 766	237 684	4 169	8 773	159 016	752 341	553 237	1 300 905	62 054	5	5	15
3279	Other nonmetallic mineral product manufacturing	4 179	167 195	3 045	6 307	106 962	531 752	289 021	822 215	35 906	5	4	11

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	NEW YORK—Con.																
31-33	Manufacturing—Con.																
331	Primary metal manufacturing .	13 094	605 025	10 027	21 035	413 831	1 846 907	2 933 436	4 768 166	84 044	1	1	4				
3311	Iron and steel mills and ferroalloy manufacturing ..	1 502	76 228	1 178	2 475	58 401	412 125	249 023	658 523	7 983	2	4	35				
3312	Steel product manufacturing from purchased steel	1 157	62 393	798	1 822	34 456	138 309	220 567	358 970	11 993	9	5	9				
3313	Alumina and aluminum production and processing	2 895	148 149	2 264	5 395	105 516	597 113	1 369 447	1 954 767	36 139	1	1	1				
3314	Nonferrous metal (except aluminum) production and processing	4 373	181 803	3 257	6 406	117 512	426 178	868 112	1 294 815	18 357	2	3	6				
3315	Foundries	3 166	136 452	2 530	4 937	97 947	273 182	226 287	501 091	9 572	3	2	5				
332	Fabricated metal product manufacturing	57 512	2 202 419	42 180	87 620	1 366 723	5 071 329	3 420 190	8 458 895	182 085	2	3	9				
3321	Forging and stamping.....	3 544	116 239	2 803	5 824	72 455	259 356	165 876	423 893	5 829	11	5	28				
3322	Cutlery and handtool manufacturing	3 858	140 081	3 234	5 903	101 990	295 466	188 340	472 858	18 596	1	2	37				
3323	Architectural and structural metals manufacturing	14 555	557 288	10 182	21 250	327 008	1 224 655	988 996	2 191 168	26 311	5	4	14				
3324	Boiler, tank, and shipping container manufacturing ..	3 951	191 697	2 834	5 859	112 243	485 916	554 883	1 042 732	15 829	6	3	6				
3325	Hardware manufacturing ...	2 038	85 319	1 474	3 125	49 523	215 124	169 133	388 219	8 829	2	3	20				
3326	Spring and wire product manufacturing	1 739	52 477	1 249	2 451	28 625	118 617	77 057	192 907	3 135	1	2	24				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	13 820	527 120	10 353	23 564	367 473	1 167 411	571 892	1 731 465	64 485	2	13	22				
3328	Coating, engraving, heat treating, and allied activities	4 290	142 562	3 178	6 407	88 259	306 989	179 134	488 586	12 196	3	2	24				
3329	Other fabricated metal product manufacturing	9 717	389 637	6 872	13 237	219 147	997 796	524 880	1 527 068	26 874	1	1	15				
333	Machinery manufacturing	44 464	2 112 925	26 716	54 288	1 041 805	4 905 320	5 123 892	10 159 557	210 012	2	3	6				
3331	Agriculture, construction, and mining machinery manufacturing	1 746	71 751	1 192	2 202	39 413	124 358	162 135	376 189	11 310	3	75	32				
3332	Industrial machinery manufacturing	7 076	347 522	3 585	7 065	136 156	762 359	635 952	1 404 784	39 351	4	2	5				
3333	Commercial and service industry machinery manufacturing	3 731	170 141	2 173	4 178	70 842	327 630	269 586	585 332	10 517	13	14	22				
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	5 262	250 288	3 779	7 653	143 458	694 789	775 256	1 467 047	13 528	7	6	16				
3335	Metalworking machinery manufacturing	6 814	310 369	4 502	9 130	177 701	562 109	381 985	983 616	20 610	2	7	19				
3336	Engine, turbine, and power transmission equipment manufacturing	5 045	266 652	3 394	7 643	167 663	763 957	1 518 838	2 303 401	32 502	6	2	6				
3339	Other general purpose machinery manufacturing .	14 790	696 202	8 092	16 417	306 573	1 670 117	1 380 140	3 039 188	82 194	3	3	12				
334	Computer and electronic product manufacturing	66 258	3 465 021	28 553	57 642	1 087 865	7 905 936	5 629 306	13 591 049	1 145 087	1	2	1				
3341	Computer and peripheral equipment manufacturing .	8 283	379 351	1 751	3 612	90 879	407 021	956 044	1 473 011	27 036	1	6	4				
3342	Communications equipment manufacturing	10 216	484 202	4 888	9 541	158 232	1 032 429	1 025 868	2 067 090	41 147	1	3	17				
3344	Semiconductor and other electronic component manufacturing	32 248	1 808 348	14 571	29 905	569 848	4 647 582	2 620 107	7 184 781	1 022 181	2	4	1				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	13 051	699 101	5 663	11 087	215 352	1 584 718	872 985	2 480 296	43 699	1	2	7				
3346	Manufacturing and reproducing magnetic and optical media	1 821	72 338	1 260	2 691	42 194	188 368	96 506	283 790	9 803	6	4	35				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	NEW YORK—Con.																
31-33	Manufacturing—Con.																
335	Electrical equipment, appliance, and component manufacturing	17 427	663 525	12 328	22 746	352 801	1 847 463	1 363 851	3 223 793	71 563		5	3	19			
3351	Electric lighting equipment manufacturing	4 173	133 860	3 018	5 425	79 016	370 604	264 281	639 432	16 655		6	9	31			
3353	Electrical equipment manufacturing	4 320	174 108	3 206	6 255	88 709	432 443	307 632	730 536	D		17	6	S			
3359	Other electrical equipment and component manufacturing	8 472	342 792	5 754	10 467	177 946	954 513	704 185	1 676 190	43 147		4	4	28			
336	Transportation equipment manufacturing	38 153	2 141 514	28 667	61 906	1 479 217	5 774 503	6 657 211	12 135 095	1 075 506		1	1	1			
3362	Motor vehicle body and trailer manufacturing	1 382	46 249	1 006	1 984	29 980	75 852	161 564	253 431	3 177		1	15	52			
3363	Motor vehicle parts manufacturing	27 280	1 594 453	21 983	47 943	1 222 611	4 128 122	5 193 892	8 993 517	1 006 692		1	1	1			
3364	Aerospace product and parts manufacturing	5 226	319 687	3 059	6 572	140 238	983 737	461 478	1 413 182	47 545		10	7	8			
3365	Railroad rolling stock manufacturing	2 172	101 493	998	2 069	33 825	390 511	477 603	947 467	11 696		2	1	44			
3369	Other transportation equipment manufacturing ..	953	36 659	693	1 400	21 589	98 149	122 407	218 732	D		1	1	S			
337	Furniture and related product manufacturing	20 480	635 662	15 676	31 336	410 758	1 536 771	1 102 595	2 609 041	32 532		6	4	12			
3371	Household and institutional furniture and kitchen cabinet manufacturing	11 033	298 671	8 922	17 248	209 722	707 618	558 065	1 244 993	17 446		11	9	22			
3372	Office furniture (including fixtures) manufacturing ...	7 332	271 734	5 286	11 006	163 421	625 027	396 583	1 015 106	12 095		5	3	9			
3379	Other furniture related product manufacturing	2 115	65 257	1 468	3 081	37 615	204 126	147 947	348 942	2 991		4	1	6			
339	Miscellaneous manufacturing ..	53 115	1 853 782	36 000	71 186	952 706	4 773 825	4 104 357	8 891 274	159 233		2	4	7			
3391	Medical equipment and supplies manufacturing ...	18 478	668 418	11 827	22 962	325 709	1 964 173	1 014 771	2 992 314	68 671		6	9	9			
3399	Other miscellaneous manufacturing	34 637	1 185 363	24 174	48 224	626 997	2 809 652	3 089 586	5 898 960	90 562		2	2	10			
	NORTH CAROLINA																
31-33	Manufacturing	569 379	19 791 913	433 775	876 931	12 589 908	89 016 793	68 410 062	157 358 938	4 048 854		1	1	5			
311	Food manufacturing	54 176	1 488 042	41 262	82 485	954 377	6 649 028	7 025 383	13 608 015	244 670		2	3	7			
3111	Animal food manufacturing ..	1 480	50 481	931	2 106	31 081	321 177	1 062 196	1 381 204	14 061		1	4	25			
3114	Fruit and vegetable preserving and specialty food manufacturing	3 231	93 291	2 761	6 253	67 800	1 239 584	544 317	1 786 037	46 825		9	12	27			
3115	Dairy product manufacturing	1 358	35 276	938	1 770	21 103	216 772	396 960	619 379	4 533		4	3	8			
3116	Animal slaughtering and processing	30 955	733 633	27 437	55 516	579 114	2 963 463	3 155 543	6 073 264	81 995		3	4	3			
3118	Bakeries and tortilla manufacturing	12 379	410 942	5 748	10 416	158 221	1 018 173	513 401	1 526 300	45 970		1	2	2			
3119	Other food manufacturing ..	3 423	114 258	2 438	4 213	63 609	683 801	490 158	1 172 856	26 139		1	1	6			
312	Beverage and tobacco product manufacturing	12 464	665 107	8 675	17 598	408 702	19 544 921	2 972 166	22 517 870	187 669		1	1	2			
3121	Beverage manufacturing ...	3 207	122 106	1 846	3 750	60 072	823 053	760 265	1 586 238	60 286		5	8	6			
3122	Tobacco manufacturing	9 257	543 001	6 829	13 848	348 630	18 721 868	2 211 901	20 931 632	127 383		1	1	1			
313	Textile mills	65 188	1 781 728	56 050	112 941	1 374 961	3 928 453	6 478 727	10 414 489	262 508		1	2	5			
3131	Fiber, yarn, and thread mills	20 965	524 817	18 805	36 484	429 647	1 261 900	2 258 679	3 513 640	77 678		1	1	5			
3132	Fabric mills	33 136	949 295	28 273	56 579	708 946	1 957 048	2 911 113	4 880 224	137 695		1	4	5			
3133	Textile and fabric finishing and fabric coating mills....	11 087	307 615	8 973	19 878	236 367	709 505	1 308 935	2 020 625	47 135		3	6	20			
314	Textile product mills	15 277	409 285	12 499	25 175	288 791	1 377 940	1 309 779	2 652 241	27 582		2	9	22			
3141	Textile furnishings mills	9 770	249 956	8 247	17 744	186 336	905 525	942 785	1 813 319	13 900		1	1	12			
3149	Other textile product mills ..	5 507	159 329	4 251	7 431	102 454	472 414	366 993	838 922	13 682		4	27	42			
315	Apparel manufacturing	30 003	667 887	24 690	47 976	487 541	2 119 064	1 962 842	4 117 161	59 217		3	2	5			
3151	Apparel knitting mills	19 593	475 276	16 309	33 852	349 151	1 218 502	1 201 752	2 404 226	45 920		2	2	6			
3152	Cut and sew apparel manufacturing	9 371	167 586	7 564	12 350	122 401	842 831	688 462	1 582 157	11 540		8	4	3			
3159	Apparel accessories and other apparel manufacturing	1 040	25 025	817	1 774	15 989	57 731	72 628	130 778	1 757		5	15	4			

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	NORTH CAROLINA—Con.																
31-33	Manufacturing—Con.																
321	Wood product manufacturing	26 050	793 089	21 357	44 657	577 383	1 881 072	2 952 031	4 816 970	91 775	3	2	11				
3211	Sawmills and wood preservation	5 333	173 722	4 703	10 150	144 609	405 868	865 734	1 262 293	37 381	5	3	21				
3212	Veneer, plywood, and engineered wood product manufacturing	7 431	236 943	6 184	13 291	177 003	620 019	1 002 612	1 623 722	19 766	2	3	12				
3219	Other wood product manufacturing	13 286	382 423	10 469	21 216	255 771	855 185	1 083 686	1 930 955	34 628	5	5	19				
322	Paper manufacturing	19 273	859 810	14 456	30 950	554 364	2 239 795	2 931 558	5 178 570	204 475	3	3	4				
3221	Pulp, paper, and paperboard mills	4 976	285 981	3 687	8 144	205 533	807 752	948 451	1 741 293	82 080	1	1	1				
3222	Converted paper product manufacturing	14 298	573 829	10 769	22 806	348 831	1 432 042	1 983 107	3 437 277	122 395	4	4	7				
323	Printing and related support activities	16 258	550 078	12 453	25 107	356 298	1 259 737	761 036	2 053 013	127 230	4	3	26				
3231	Printing and related support activities	16 258	550 078	12 453	25 107	356 298	1 259 737	761 036	2 053 013	127 230	4	3	26				
325	Chemical manufacturing	37 871	1 853 821	24 991	50 439	967 582	20 154 607	8 644 415	28 624 564	870 472	2	3	6				
3251	Basic chemical manufacturing	4 976	301 449	3 164	7 005	161 893	866 479	1 448 805	2 403 523	91 394	2	3	17				
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	5 301	227 052	4 096	8 099	154 287	766 613	919 773	1 681 902	55 927	1	2	1				
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	1 541	76 975	1 075	2 291	49 077	186 710	430 758	630 214	D	1	2	S				
3254	Pharmaceutical and medicine manufacturing	15 041	757 262	9 321	19 121	359 990	14 692 797	3 608 983	18 028 189	572 488	4	4	9				
3255	Paint, coating, and adhesive manufacturing	2 523	132 919	1 690	3 475	55 441	654 581	462 228	1 118 264	30 234	7	26	42				
3256	Soap, cleaning compound, and toilet preparation manufacturing	5 973	242 582	4 168	7 723	140 362	2 627 015	1 110 122	3 743 192	64 811	3	1	3				
3259	Other chemical product and preparation manufacturing	2 516	115 582	1 477	2 725	46 533	360 413	663 745	1 019 281	D	2	3	S				
326	Plastics and rubber products manufacturing	39 387	1 453 337	30 754	62 308	993 007	4 455 068	3 826 450	8 261 317	361 072	1	1	9				
3261	Plastics product manufacturing	26 342	880 436	20 703	41 436	588 638	2 867 167	2 620 275	5 462 566	272 805	2	2	11				
3262	Rubber product manufacturing	13 044	572 901	10 052	20 872	404 369	1 587 900	1 206 175	2 798 751	88 267	1	1	14				
327	Nonmetallic mineral product manufacturing	18 158	633 354	14 544	28 600	452 424	1 992 676	1 253 548	3 232 770	203 330	2	2	3				
3271	Clay product and refractory manufacturing	3 126	105 539	2 686	5 606	80 775	335 700	141 175	476 222	79 322	1	1	4				
3272	Glass and glass product manufacturing	7 425	280 459	6 052	11 407	192 129	992 600	541 814	1 544 933	86 867	3	2	4				
3273	Cement and concrete product manufacturing	5 650	189 261	4 420	8 751	138 554	494 997	448 710	928 226	29 641	5	9	16				
3279	Other nonmetallic mineral product manufacturing	g	D	D	D	D	D	D	D	5 318	S	S	24				
331	Primary metal manufacturing	7 410	306 877	5 762	11 679	213 307	820 222	1 300 130	2 104 791	19 695	3	3	10				
3314	Nonferrous metal (except aluminum) production and processing	3 262	138 938	2 363	4 752	87 552	380 807	614 188	990 337	7 845	1	3	1				
3315	Foundries	1 531	51 847	1 317	2 515	40 733	158 175	77 698	229 314	6 124	10	2	13				
332	Fabricated metal product manufacturing	36 395	1 281 791	28 451	56 656	876 179	3 402 818	2 997 586	6 434 492	185 138	2	2	10				
3321	Forging and stamping	1 767	62 930	1 313	2 675	38 928	146 233	194 845	352 846	25 612	9	22	46				
3322	Cutlery and handtool manufacturing	1 624	44 387	1 214	2 344	33 428	150 142	80 703	238 415	8 891	2	3	39				
3323	Architectural and structural metals manufacturing	9 775	335 314	7 294	14 734	205 063	784 323	868 258	1 655 378	34 302	5	7	11				
3324	Boiler, tank, and shipping container manufacturing	1 562	73 211	1 258	3 036	56 891	283 832	326 111	616 134	10 388	6	9	34				
3325	Hardware manufacturing	2 952	85 783	2 414	4 382	57 452	239 867	154 937	394 523	7 034	1	2	2				
3326	Spring and wire product manufacturing	2 179	62 726	1 865	3 335	44 396	146 152	123 131	269 634	6 926	1	2	39				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	7 198	260 262	5 653	10 745	186 241	539 969	280 138	815 773	41 422	3	4	28				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		A	B	C	D	E					F	G	H	I	A	F	I
	NORTH CAROLINA—Con.																
31-33	Manufacturing—Con.																
332	Fabricated metal product manufacturing—Con.																
3328	Coating, engraving, heat treating, and allied activities	1 562	52 239	1 200	2 533	35 511	118 286	68 564	188 670	4 453	2	2	11				
3329	Other fabricated metal product manufacturing	7 775	304 939	6 240	12 873	218 269	994 013	900 899	1 903 117	46 110	3	4	13				
333	Machinery manufacturing	31 919	1 282 981	21 705	45 637	713 880	4 022 855	5 585 882	9 675 543	152 821	1	1	3				
3331	Agriculture, construction, and mining machinery manufacturing	3 658	159 863	2 363	5 384	92 431	807 746	2 024 877	2 855 660	25 353	2	2	8				
3332	Industrial machinery manufacturing	4 600	182 542	2 770	5 456	83 439	431 061	298 141	714 089	10 535	6	5	24				
3333	Commercial and service industry machinery manufacturing	2 058	80 346	1 248	2 907	34 817	319 991	393 678	695 571	5 400	2	6	16				
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	4 836	155 190	3 566	6 968	91 771	480 579	452 761	943 429	14 708	1	3	5				
3335	Metalworking machinery manufacturing	2 798	120 125	2 077	4 490	81 371	262 260	243 937	508 949	8 659	3	4	23				
3336	Engine, turbine, and power transmission equipment manufacturing	3 899	179 332	3 192	6 673	131 918	412 837	935 170	1 386 952	50 743	1	1	1				
3339	Other general purpose machinery manufacturing .	10 070	405 584	6 488	13 760	198 132	1 308 381	1 237 317	2 570 894	37 422	1	1	4				
334	Computer and electronic product manufacturing	28 555	1 456 493	12 522	24 949	454 515	3 192 990	2 596 869	5 865 957	332 539	2	3	38				
3341	Computer and peripheral equipment manufacturing .	11 264	692 799	963	1 383	26 696	747 620	788 794	1 587 563	78 725	1	1	1				
3342	Communications equipment manufacturing	1 769	95 431	699	1 637	24 565	349 065	293 888	641 727	10 867	5	1	1				
3344	Semiconductor and other electronic component manufacturing	9 605	439 591	7 104	14 595	296 661	1 509 350	1 145 089	2 675 477	207 758	5	6	61				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	3 560	151 579	2 071	3 787	61 017	381 176	260 872	647 481	7 665	2	2	12				
3346	Manufacturing and reproducing magnetic and optical media	2 210	72 198	1 575	3 322	42 543	194 467	94 863	289 055	26 826	8	6	27				
335	Electrical equipment, appliance, and component manufacturing	21 176	788 635	15 774	31 837	501 698	2 243 385	2 492 654	4 760 682	197 643	2	7	44				
3351	Electric lighting equipment manufacturing	1 734	67 473	1 312	2 569	44 895	165 630	125 875	293 844	7 304	5	4	25				
3352	Household appliance manufacturing	1 268	48 353	891	1 647	24 543	A	205 811	225 960	118 548	13	A	74				
3353	Electrical equipment manufacturing	7 824	294 463	5 782	11 764	187 115	832 294	880 788	1 721 374	28 328	4	1	7				
3359	Other electrical equipment and component manufacturing	10 351	378 347	7 789	15 857	245 144	1 219 547	1 280 180	2 519 504	43 463	1	1	2				
336	Transportation equipment manufacturing	31 344	1 187 658	24 422	52 267	826 895	3 608 552	8 067 530	11 646 524	363 699	2	1	26				
3361	Motor vehicle manufacturing	4 405	172 864	4 140	5 403	154 290	192 099	2 932 061	3 092 422	D	1	1	S				
3362	Motor vehicle body and trailer manufacturing	2 784	113 530	2 217	4 384	77 305	139 341	733 930	883 212	47 205	16	11	2				
3363	Motor vehicle parts manufacturing	18 223	671 589	13 468	32 236	436 946	2 252 782	3 582 936	5 817 320	262 901	1	1	37				
3364	Aerospace product and parts manufacturing	1 769	102 719	1 374	3 524	74 874	716 024	511 923	1 238 966	D	1	1	S				
3366	Ship and boat building	3 656	109 480	2 828	6 009	72 579	254 449	256 175	510 623	17 116	5	4	15				
337	Furniture and related product manufacturing	59 916	1 665 511	50 263	99 400	1 231 288	3 994 848	3 539 565	7 541 107	80 339	2	1	6				
3371	Household and institutional furniture and kitchen cabinet manufacturing	49 738	1 366 660	42 436	82 945	1 033 569	3 225 568	3 001 743	6 236 632	56 682	2	1	4				
3372	Office furniture (including fixtures) manufacturing ...	8 805	247 961	6 774	14 322	167 439	620 289	417 243	1 039 523	14 515	3	1	22				
3379	Other furniture related product manufacturing	1 373	50 889	1 053	2 133	30 281	148 991	120 579	264 953	9 142	3	5	33				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	NORTH CAROLINA—Con.																
31-33	Manufacturing—Con.																
339	Miscellaneous manufacturing	16 741	599 580	11 651	23 171	310 542	1 844 667	1 310 008	3 166 820	65 871	2	2	10				
3391	Medical equipment and supplies manufacturing	7 784	306 731	5 428	11 133	154 734	1 126 220	555 194	1 696 153	38 018	1	1	15				
3399	Other miscellaneous manufacturing	8 957	292 849	6 223	12 038	155 807	718 447	754 814	1 470 667	27 853	3	5	14				
	NORTH DAKOTA																
31-33	Manufacturing	21 206	721 134	15 984	32 539	469 000	2 519 555	3 904 287	6 418 718	252 563	6	3	7				
311	Food manufacturing	4 510	151 540	3 283	6 911	99 509	767 557	1 389 195	2 129 857	117 550	8	1	5				
3118	Bakeries and tortilla manufacturing	963	28 655	564	1 030	14 941	96 940	95 212	190 316	4 334	8	4	31				
321	Wood product manufacturing	1 781	45 989	1 624	3 179	38 126	147 222	144 521	290 070	11 534	2	3	71				
3219	Other wood product manufacturing	1 006	24 173	963	1 789	21 833	101 881	105 501	207 276	833	3	1	10				
332	Fabricated metal product manufacturing	1 595	53 041	1 192	2 496	35 120	97 912	128 527	227 639	7 084	1	3	15				
3323	Architectural and structural metals manufacturing	951	32 983	697	1 524	21 307	56 669	97 049	153 524	2 448	2	5	32				
333	Machinery manufacturing	4 040	147 027	2 804	5 270	95 261	667 497	839 717	1 493 015	18 497	8	8	25				
3331	Agriculture, construction, and mining machinery manufacturing	3 891	129 895	2 791	5 022	89 739	650 071	840 288	1 468 060	9 609	5	7	15				
334	Computer and electronic product manufacturing	1 564	62 749	993	2 568	33 560	266 102	200 871	465 926	20 920	6	11	39				
336	Transportation equipment manufacturing	2 114	76 055	1 919	3 883	48 435	35 131	263 090	341 854	3 167	58	66	28				
3363	Motor vehicle parts manufacturing	1 261	28 420	1 065	2 050	18 058	S	30 380	29 104	767	93	S	69				
337	Furniture and related product manufacturing	1 093	31 442	764	1 398	18 074	71 121	48 925	120 321	2 940	6	4	29				
	OHIO																
31-33	Manufacturing	811 161	34 336 596	596 281	1 232 381	22 446 218	109 282 204	130 738 514	240 066 113	5 735 835	1	1	2				
311	Food manufacturing	53 075	1 805 548	38 025	75 670	1 191 700	9 607 075	9 500 599	19 067 934	422 780	2	1	3				
3111	Animal food manufacturing	2 726	114 097	1 987	4 016	77 370	738 948	727 665	1 467 026	44 436	11	8	7				
3112	Grain and oilseed milling	2 848	136 697	2 063	4 377	93 448	953 414	1 776 487	2 729 019	68 224	1	1	2				
3113	Sugar and confectionery product manufacturing	1 462	40 474	980	1 868	20 920	119 646	109 222	227 117	7 791	4	16	44				
3114	Fruit and vegetable preserving and specialty food manufacturing	10 775	385 707	9 206	19 077	299 992	2 693 102	1 790 685	4 483 032	119 343	1	1	5				
3115	Dairy product manufacturing	5 586	219 034	3 736	8 151	133 493	1 120 529	1 374 987	2 491 846	53 414	4	1	11				
3116	Animal slaughtering and processing	8 165	219 251	6 976	14 251	158 795	508 800	1 707 577	2 195 834	39 165	8	19	11				
3118	Bakeries and tortilla manufacturing	13 897	434 886	7 386	12 643	235 501	1 634 295	913 516	2 536 163	41 836	4	3	11				
3119	Other food manufacturing	7 610	255 210	5 686	11 275	172 041	1 837 839	1 099 542	2 936 477	48 552	3	2	9				
312	Beverage and tobacco product manufacturing	4 947	205 674	3 199	6 185	125 482	1 871 667	1 744 309	3 619 398	93 828	1	1	3				
3121	Beverage manufacturing	4 947	205 674	3 199	6 185	125 482	1 871 667	1 744 309	3 619 398	93 828	1	1	3				
313	Textile mills	2 393	87 235	1 883	4 009	55 985	219 595	173 008	391 586	9 073	7	4	18				
3132	Fabric mills	1 199	39 232	1 007	2 128	29 505	96 352	59 332	151 278	5 541	14	8	28				
3133	Textile and fabric finishing and fabric coating mills	1 178	47 640	861	1 851	26 179	122 530	112 272	238 190	3 505	1	5	14				
314	Textile product mills	4 094	97 888	3 104	5 836	60 056	211 489	237 447	438 302	D	6	11	S				
3141	Textile furnishings mills	1 406	34 120	1 053	2 219	19 886	65 587	126 812	189 267	513	16	30	28				
3149	Other textile product mills	2 688	63 768	2 052	3 617	40 170	145 902	110 634	249 035	D	4	9	S				
315	Apparel manufacturing	2 058	51 385	1 673	3 249	36 799	182 081	134 806	282 265	19 647	6	13	38				
3152	Cut and sew apparel manufacturing	1 913	47 984	1 553	3 007	34 437	176 761	129 870	272 016	19 630	6	13	38				
316	Leather and allied product manufacturing	1 272	29 473	958	1 734	17 407	52 521	87 447	144 129	D	2	6	S				
3169	Other leather and allied product manufacturing	1 201	27 559	904	1 629	16 300	45 707	71 965	121 595	D	2	7	S				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —			
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
		A	B	C	D	E					F	G	H	I
	OHIO—Con.													
31-33	Manufacturing—Con.													
321	Wood product manufacturing . . .	16 682	466 538	14 123	41 743	363 966	971 117	1 522 551	2 512 593	55 370	4	16	8	
3211	Sawmills and wood preservation	1 726	46 701	1 498	2 949	37 415	161 230	264 603	424 774	3 672	11	5	14	
3212	Veneer, plywood, and engineered wood product manufacturing	2 828	82 470	2 189	4 496	53 600	185 279	257 086	439 577	5 157	4	3	13	
3219	Other wood product manufacturing	12 128	337 367	10 436	34 298	272 951	624 607	1 000 862	1 648 243	46 542	5	25	9	
322	Paper manufacturing	23 958	1 031 215	18 296	39 128	679 648	3 051 115	3 468 606	6 547 568	163 169	2	2	7	
3221	Pulp, paper, and paperboard mills	4 894	256 413	3 805	8 772	183 487	879 626	623 457	1 516 551	36 242	1	1	11	
3222	Converted paper product manufacturing	19 064	774 802	14 491	30 356	496 161	2 171 489	2 845 149	5 031 017	126 927	3	3	9	
323	Printing and related support activities	32 391	1 211 779	23 256	45 428	734 494	2 926 407	1 668 961	4 611 109	137 941	1	1	19	
3231	Printing and related support activities	32 391	1 211 779	23 256	45 428	734 494	2 926 407	1 668 961	4 611 109	137 941	1	1	19	
324	Petroleum and coal products manufacturing	5 580	307 518	3 720	8 140	190 561	1 612 159	7 078 437	8 678 321	115 438	2	3	4	
3241	Petroleum and coal products manufacturing	5 580	307 518	3 720	8 140	190 561	1 612 159	7 078 437	8 678 321	115 438	2	3	4	
325	Chemical manufacturing	40 260	2 028 158	26 008	53 535	1 129 336	11 686 194	10 366 092	22 034 019	544 820	1	2	6	
3251	Basic chemical manufacturing	7 934	455 176	5 563	12 455	308 626	1 613 162	1 983 134	3 574 739	158 357	4	9	10	
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	5 106	259 209	3 711	7 135	162 986	1 147 152	1 835 870	2 971 133	48 686	1	8	8	
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	1 588	75 002	880	2 050	45 409	465 378	538 468	989 052	31 577	7	8	20	
3254	Pharmaceutical and medicine manufacturing	2 660	151 518	1 873	3 737	97 462	727 133	610 377	1 347 907	101 204	2	6	25	
3255	Paint, coating, and adhesive manufacturing	8 153	411 241	4 139	8 260	161 148	1 836 604	1 786 506	3 620 341	49 536	1	1	12	
3256	Soap, cleaning compound, and toilet preparation manufacturing	7 382	344 280	5 238	10 411	188 990	4 863 187	2 420 692	7 296 219	110 850	2	1	2	
3259	Other chemical product and preparation manufacturing	7 437	331 732	4 604	9 486	164 716	1 033 578	1 191 045	2 234 628	44 610	3	3	6	
326	Plastics and rubber products manufacturing	86 279	2 984 375	68 122	139 609	2 032 514	7 942 453	7 803 008	15 709 442	552 819	1	1	6	
3261	Plastics product manufacturing	63 095	2 064 868	50 607	103 101	1 433 952	5 743 166	5 548 691	11 245 708	446 459	1	2	7	
3262	Rubber product manufacturing	23 184	919 507	17 515	36 508	598 562	2 199 287	2 254 317	4 463 733	106 360	1	1	7	
327	Nonmetallic mineral product manufacturing	30 593	1 193 840	23 943	49 950	844 127	3 484 192	2 258 657	5 737 874	212 410	2	1	6	
3271	Clay product and refractory manufacturing	6 590	232 516	5 081	10 479	159 692	639 226	328 026	979 017	32 145	2	2	13	
3272	Glass and glass product manufacturing	9 089	363 327	7 308	14 911	267 312	1 090 742	593 522	1 664 785	61 110	3	2	1	
3273	Cement and concrete product manufacturing	7 908	306 731	6 030	12 932	214 268	878 507	714 187	1 596 348	77 083	6	4	14	
3279	Other nonmetallic mineral product manufacturing	6 074	251 137	4 769	9 874	172 008	795 462	469 576	1 264 980	34 583	1	1	11	
331	Primary metal manufacturing	52 690	2 547 831	41 890	87 001	1 907 160	5 209 098	9 345 429	14 672 941	585 707	1	1	3	
3311	Iron and steel mills and ferroalloy manufacturing	16 679	884 225	13 405	28 169	682 633	1 631 334	4 052 924	5 811 837	154 050	1	1	1	
3312	Steel product manufacturing from purchased steel	8 380	374 501	6 325	13 057	260 552	979 784	1 867 492	2 847 530	130 073	3	1	15	
3313	Alumina and aluminum production and processing	4 962	196 270	4 016	8 756	142 682	569 110	1 479 064	2 053 402	41 210	3	2	7	
3314	Nonferrous metal (except aluminum) production and processing	3 555	173 769	2 422	5 213	107 099	458 670	654 402	1 122 235	52 255	3	7	4	
3315	Foundries	19 114	919 067	15 722	31 807	714 195	1 570 200	1 291 547	2 837 938	208 119	2	2	2	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —					
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I			
		A	B	C	D	E					F	G	H	I	A	F
	OHIO—Con.															
31-33	Manufacturing—Con.															
332	Fabricated metal product manufacturing	120 645	4 630 090	90 650	188 561	3 072 115	12 118 083	10 595 172	22 700 011	695 614	1	1	8			
3321	Forging and stamping.....	15 099	615 600	11 227	27 208	412 785	1 579 799	2 011 500	3 603 318	131 353	1	3	5			
3322	Cutlery and handtool manufacturing	4 514	163 110	3 258	6 265	96 438	512 167	315 870	832 451	13 613	2	2	10			
3323	Architectural and structural metals manufacturing	17 065	610 643	12 095	24 751	367 494	1 555 333	1 574 546	3 143 095	65 202	2	3	11			
3324	Boiler, tank, and shipping container manufacturing ..	7 755	332 759	6 253	12 303	235 677	839 719	1 169 941	2 017 210	37 157	1	1	2			
3325	Hardware manufacturing ...	3 330	138 141	2 347	4 681	82 052	505 591	334 228	832 157	13 378	3	1	19			
3326	Spring and wire product manufacturing	4 984	158 687	4 002	8 376	112 031	459 515	318 609	777 150	12 946	7	6	10			
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	30 416	1 148 927	23 623	48 858	806 259	2 462 441	1 379 692	3 814 777	246 784	2	3	21			
3328	Coating, engraving, heat treating, and allied activities	12 814	460 560	9 998	20 722	308 181	1 268 592	1 647 826	2 910 689	56 420	4	2	22			
3329	Other fabricated metal product manufacturing	24 668	1 001 662	17 847	35 398	651 198	2 934 927	1 842 960	4 769 164	118 762	3	4	11			
333	Machinery manufacturing	76 998	3 381 038	48 139	98 037	1 767 614	7 856 475	7 013 331	14 912 786	268 520	1	2	5			
3331	Agriculture, construction, and mining machinery manufacturing	4 726	177 984	3 648	7 256	116 769	576 039	725 228	1 283 412	13 187	10	17	17			
3332	Industrial machinery manufacturing	8 514	412 427	4 432	9 027	169 320	835 584	841 643	1 687 830	36 637	5	4	29			
3333	Commercial and service industry machinery manufacturing	5 557	243 108	3 225	7 121	104 599	740 597	469 549	1 233 061	16 899	1	2	5			
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing ..	8 222	331 786	4 485	8 825	138 365	799 465	723 564	1 549 407	27 034	1	5	6			
3335	Metalworking machinery manufacturing	20 131	894 003	14 031	28 648	566 724	1 758 811	923 937	2 680 658	49 120	1	2	9			
3336	Engine, turbine, and power transmission equipment manufacturing	4 778	215 929	3 160	6 417	114 224	592 389	1 003 100	1 580 559	41 710	1	1	2			
3339	Other general purpose machinery manufacturing ..	25 070	1 105 801	15 158	30 744	557 613	2 553 590	2 326 311	4 897 860	83 934	3	4	3			
334	Computer and electronic product manufacturing	25 193	1 111 271	13 677	26 371	442 826	3 378 994	2 913 803	6 274 650	117 891	1	3	15			
3341	Computer and peripheral equipment manufacturing ..	2 044	99 162	925	2 253	32 431	347 794	284 212	624 291	10 465	1	1	5			
3342	Communications equipment manufacturing	3 204	121 824	1 330	2 422	44 374	997 312	836 367	1 798 283	12 664	6	3	67			
3344	Semiconductor and other electronic component manufacturing	7 300	260 600	4 956	9 473	143 677	536 901	589 567	1 125 944	23 003	3	5	10			
3345	Navigational, measuring, electromedical, and control instruments manufacturing	11 680	589 863	5 801	10 785	204 973	1 427 047	934 461	2 383 371	53 495	1	6	25			
335	Electrical equipment, appliance, and component manufacturing	34 802	1 336 515	26 382	50 190	877 148	5 155 242	4 107 194	9 214 979	116 050	2	1	7			
3351	Electric lighting equipment manufacturing	5 421	239 064	3 973	7 451	143 423	969 636	557 028	1 476 683	28 570	4	5	24			
3352	Household appliance manufacturing	12 854	508 869	10 985	21 629	401 937	2 330 907	2 022 556	4 366 513	44 072	3	2	1			
3353	Electrical equipment manufacturing	9 443	331 525	6 123	10 625	167 988	1 192 105	865 595	2 059 433	17 310	1	1	12			
3359	Other electrical equipment and component manufacturing	7 084	257 057	5 302	10 485	163 800	662 593	662 014	1 312 351	26 098	3	4	16			

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —							
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I					
														A	B	C	D	E
	OHIO—Con.																	
31-33	Manufacturing—Con.																	
336	Transportation equipment manufacturing	143 094	7 930 244	110 818	230 594	5 822 533	26 656 839	47 298 993	74 017 583	1 441 967	1	1	3					
3361	Motor vehicle manufacturing	27 210	1 924 646	23 514	48 288	1 630 090	9 605 990	24 697 505	34 278 025	285 307	1	1	1					
3362	Motor vehicle body and trailer manufacturing	4 155	130 905	3 210	6 096	91 071	272 546	430 692	702 155	4 602	3	3	14					
3363	Motor vehicle parts manufacturing	95 587	4 888 217	76 023	159 029	3 697 551	12 292 313	18 042 253	30 390 575	932 737	2	1	5					
3364	Aerospace product and parts manufacturing	12 880	828 154	5 706	12 376	302 457	4 149 407	3 174 698	7 346 338	206 671	1	1	10					
3369	Other transportation equipment manufacturing .	2 261	126 998	1 576	3 364	80 779	286 315	869 680	1 161 325	11 564	2	1	1					
337	Furniture and related product manufacturing	21 119	699 063	16 186	33 967	477 409	2 053 373	1 555 665	3 610 924	70 255	3	2	10					
3371	Household and institutional furniture and kitchen cabinet manufacturing	15 458	497 254	12 051	26 034	357 591	1 585 696	1 207 395	2 796 563	49 503	1	1	4					
3372	Office furniture (including fixtures) manufacturing ...	4 586	165 919	3 401	6 539	96 721	354 241	259 821	613 479	18 932	15	10	35					
3379	Other furniture related product manufacturing	1 075	35 890	735	1 394	23 098	113 437	88 448	200 883	1 820	2	3	8					
339	Miscellaneous manufacturing .	33 038	1 199 918	22 227	43 445	617 337	3 036 035	1 865 000	4 887 697	104 579	3	2	6					
3391	Medical equipment and supplies manufacturing ...	13 235	549 880	8 328	16 519	262 109	1 541 644	784 204	2 305 928	46 567	3	2	12					
3399	Other miscellaneous manufacturing	19 802	650 038	13 899	26 926	355 228	1 494 391	1 080 796	2 581 769	58 012	4	3	6					
	OKLAHOMA																	
31-33	Manufacturing	138 583	5 158 484	102 097	204 581	3 314 474	17 685 839	24 108 668	41 345 200	1 498 228	1	2	4					
311	Food manufacturing	15 145	453 224	11 440	23 893	303 673	2 282 643	2 551 550	4 542 244	78 235	2	16	10					
3111	Animal food manufacturing .	1 289	43 143	981	2 026	30 389	763 471	442 929	935 906	15 097	3	45	29					
3116	Animal slaughtering and processing	7 024	186 056	6 223	13 269	145 743	607 654	1 188 649	1 785 185	23 825	1	18	25					
3118	Bakeries and tortilla manufacturing	3 327	103 825	1 637	3 672	50 490	288 283	215 153	499 880	10 672	7	19	17					
3119	Other food manufacturing ..	1 347	41 513	1 087	1 521	28 659	212 385	159 919	370 163	9 524	4	5	19					
312	Beverage and tobacco product manufacturing	1 933	76 938	243	940	11 768	296 970	248 883	540 493	18 384	2	1	3					
3121	Beverage manufacturing ...	1 933	76 938	243	940	11 768	296 970	248 883	540 493	18 384	2	1	3					
315	Apparel manufacturing	2 058	39 476	1 491	2 602	22 620	545 653	96 150	640 362	2 050	8	1	1					
3152	Cut and sew apparel manufacturing	2 023	38 740	1 464	2 547	22 134	544 413	94 746	637 420	2 037	8	1	1					
321	Wood product manufacturing .	1 980	51 143	1 689	3 263	41 115	107 493	178 764	285 828	40 158	8	7	6					
322	Paper manufacturing	4 504	210 243	3 542	7 197	156 162	1 107 679	896 853	2 006 227	405 728	7	6	1					
3221	Pulp, paper, and paperboard mills	2 614	146 478	2 209	4 570	118 815	967 728	718 263	1 690 447	D	8	7	S					
3222	Converted paper product manufacturing	1 890	63 764	1 333	2 626	37 347	139 951	178 590	315 779	D	12	6	S					
323	Printing and related support activities	4 788	140 633	3 699	8 446	91 347	172 558	182 382	347 289	86 908	21	49	46					
3231	Printing and related support activities	4 788	140 633	3 699	8 446	91 347	172 558	182 382	347 289	86 908	21	49	46					
324	Petroleum and coal products manufacturing	2 928	166 850	1 987	4 200	95 880	838 689	5 403 588	6 198 000	183 241	1	1	1					
3241	Petroleum and coal products manufacturing ...	2 928	166 850	1 987	4 200	95 880	838 689	5 403 588	6 198 000	183 241	1	1	1					
325	Chemical manufacturing	2 891	140 580	1 599	3 084	73 677	959 535	918 300	1 858 880	38 505	9	4	21					
326	Plastics and rubber products manufacturing	12 090	502 264	9 800	19 905	386 834	1 511 600	1 400 524	2 903 704	119 831	3	2	5					
3261	Plastics product manufacturing	5 245	170 792	3 871	7 615	108 444	798 621	646 029	1 439 060	51 210	7	3	11					
3262	Rubber product manufacturing	6 844	331 472	5 929	12 289	278 390	712 979	754 496	1 464 644	68 621	1	1	2					
327	Nonmetallic mineral product manufacturing	6 860	276 832	5 525	12 118	203 601	878 245	628 207	1 504 348	90 756	4	3	9					
3272	Glass and glass product manufacturing	2 683	124 632	2 316	4 652	101 565	330 288	246 769	570 049	50 120	1	1	1					
3273	Cement and concrete product manufacturing	2 714	91 568	2 040	4 786	62 886	306 880	228 517	539 312	23 447	6	8	33					

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —					
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I			
		A	B	C	D	E					F	G	H	I	A	F
	OKLAHOMA—Con.															
31-33	Manufacturing—Con.															
331	Primary metal manufacturing .	4 483	163 804	3 662	7 947	117 690	424 939	548 427	966 826	34 301	2	5	17			
3312	Steel product manufacturing from purchased steel	1 929	70 501	1 692	3 823	55 459	178 534	260 989	426 428	19 141	2	7	27			
3315	Foundries	1 319	38 897	998	2 096	25 504	104 904	63 902	177 905	3 253	8	16	52			
332	Fabricated metal product manufacturing	21 950	784 011	16 551	33 516	503 447	1 986 660	1 772 028	3 760 993	122 759	4	2	28			
3323	Architectural and structural metals manufacturing	5 418	176 924	4 043	8 141	108 622	458 914	386 677	845 905	10 121	4	2	23			
3324	Boiler, tank, and shipping container manufacturing . .	4 248	172 916	3 060	6 017	101 236	366 899	568 379	924 187	25 610	6	4	17			
3325	Hardware manufacturing	g	D	D	D	D	D	D	D	D	S	S	S			
3326	Spring and wire product manufacturing	1 206	31 313	977	1 957	25 486	56 261	87 301	150 392	4 631	5	18	3			
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing . . .	3 586	135 869	2 754	5 079	89 064	249 089	122 517	363 605	14 571	15	11	24			
3328	Coating, engraving, heat treating, and allied activities	1 178	40 387	977	1 965	30 658	88 490	64 544	153 029	D	12	14	S			
3329	Other fabricated metal product manufacturing	4 413	164 827	3 167	6 708	103 247	499 143	361 075	872 598	57 468	9	5	58			
333	Machinery manufacturing	22 257	895 411	14 738	29 876	457 685	2 278 016	2 857 594	5 103 943	105 311	3	4	17			
3331	Agriculture, construction, and mining machinery manufacturing	6 455	263 423	4 253	8 080	138 802	570 013	882 775	1 452 074	28 394	1	10	17			
3332	Industrial machinery manufacturing	2 106	105 873	1 184	2 190	45 084	207 627	215 098	440 208	19 845	3	6	21			
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	5 054	148 451	3 957	6 233	87 545	297 264	441 064	711 937	13 962	12	4	24			
3336	Engine, turbine, and power transmission equipment manufacturing	g	D	D	D	D	D	D	D	D	S	S	14			
3339	Other general purpose machinery manufacturing	5 715	252 161	3 339	8 743	117 229	730 120	739 420	1 467 282	35 695	3	5	47			
334	Computer and electronic product manufacturing	4 706	145 456	2 956	5 017	65 969	335 656	748 766	1 116 427	30 591	11	15	12			
3342	Communications equipment manufacturing	1 746	35 847	970	1 147	14 201	78 815	301 744	403 982	D	1	1	S			
3344	Semiconductor and other electronic component manufacturing	1 639	48 263	1 207	2 321	28 172	93 730	54 940	153 447	18 313	9	3	20			
335	Electrical equipment, appliance, and component manufacturing	3 730	116 505	2 835	5 913	69 150	359 478	494 507	844 122	16 446	7	9	15			
3352	Household appliance manufacturing	g	D	D	D	D	D	D	D	D	S	S	S			
3353	Electrical equipment manufacturing	1 687	57 128	1 146	2 615	31 360	207 693	152 820	358 567	5 999	15	8	26			
336	Transportation equipment manufacturing	17 825	758 610	13 980	24 187	570 898	2 854 915	4 672 251	7 526 780	105 957	1	1	11			
3361	Motor vehicle manufacturing	h	D	D	D	D	D	D	D	D	S	S	S			
3362	Motor vehicle body and trailer manufacturing	h	D	D	D	D	D	D	D	D	S	S	61			
3363	Motor vehicle parts manufacturing	5 590	180 856	4 170	6 014	124 379	596 696	590 571	1 188 563	49 995	1	1	2			
3364	Aerospace product and parts manufacturing	4 831	227 981	3 433	5 514	151 883	423 367	544 583	961 196	18 626	1	1	1			
337	Furniture and related product manufacturing	2 972	76 507	2 436	4 616	53 762	204 628	155 521	357 238	5 498	2	3	11			
3371	Household and institutional furniture and kitchen cabinet manufacturing	1 614	38 172	1 372	2 523	28 408	93 799	79 361	171 870	2 595	2	3	16			
3372	Office furniture (including fixtures) manufacturing . . .	1 117	32 246	881	1 773	22 620	90 189	46 755	135 315	1 910	3	3	15			
339	Miscellaneous manufacturing	4 430	135 635	3 112	6 201	73 043	448 290	307 493	707 325	12 386	4	11	24			
3391	Medical equipment and supplies manufacturing	1 458	45 509	943	1 793	20 668	189 984	95 963	235 645	5 865	11	26	50			
3399	Other miscellaneous manufacturing	2 972	90 126	2 169	4 407	52 376	258 306	211 530	471 679	6 520	4	2	4			

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	OREGON																
31-33	Manufacturing	176 114	6 983 530	125 092	244 174	4 205 090	25 109 453	19 331 304	44 511 953	1 279 176	1	1	6				
311	Food manufacturing	20 552	620 302	15 030	28 687	404 979	2 736 797	2 410 452	5 145 965	97 207	4	12	8				
3114	Fruit and vegetable preserving and specialty food manufacturing	8 255	221 408	7 019	13 584	165 228	1 032 711	713 809	1 756 149	32 629	3	33	7				
3115	Dairy product manufacturing	1 970	75 919	1 221	2 543	44 442	285 446	616 642	896 627	15 390	1	7	25				
3116	Animal slaughtering and processing	1 553	46 055	1 342	2 715	34 099	164 424	190 962	355 244	6 219	2	8	24				
3117	Seafood product preparation and packaging	1 011	24 503	900	1 681	20 115	63 645	109 783	174 281	1 604	10	9	77				
3118	Bakeries and tortilla manufacturing	4 534	130 513	2 417	3 550	72 058	568 516	283 051	850 340	19 507	17	1	9				
3119	Other food manufacturing ..	2 266	84 898	1 356	2 943	41 533	405 506	269 795	675 554	16 885	13	10	35				
312	Beverage and tobacco product manufacturing	1 837	69 202	761	1 474	23 599	279 304	326 155	597 591	30 831	1	3	66				
3121	Beverage manufacturing ...	1 837	69 202	761	1 474	23 599	279 304	326 155	597 591	30 831	1	3	66				
315	Apparel manufacturing	1 241	22 080	974	1 486	15 229	37 490	29 133	67 025	56	1	1	1				
3152	Cut and sew apparel manufacturing	1 090	18 534	846	1 248	12 767	32 216	23 757	56 343	44	1	1	1				
321	Wood product manufacturing .	30 765	1 047 705	26 496	53 727	836 024	2 409 615	4 942 628	7 368 255	134 029	1	2	5				
3211	Sawmills and wood preservation	8 039	321 520	7 082	15 185	262 206	827 041	1 889 391	2 723 779	66 195	4	4	8				
3212	Veneer, plywood, and engineered wood product manufacturing	11 090	396 059	9 809	20 161	327 308	894 125	1 996 956	2 901 007	39 714	1	2	11				
3219	Other wood product manufacturing	11 635	330 126	9 605	18 381	246 511	688 450	1 056 281	1 743 469	28 121	1	3	9				
322	Paper manufacturing	6 472	352 917	5 162	10 497	248 312	1 072 729	1 498 749	2 531 941	220 341	1	1	4				
3221	Pulp, paper, and paperboard mills	4 441	270 905	3 616	7 462	195 686	866 743	1 201 148	2 030 202	202 726	1	1	1				
3222	Converted paper product manufacturing	2 031	82 012	1 546	3 035	52 626	205 986	297 601	501 739	17 615	1	1	53				
323	Printing and related support activities	6 836	261 961	5 050	9 696	163 994	551 996	366 874	920 827	26 078	3	4	20				
3231	Printing and related support activities	6 836	261 961	5 050	9 696	163 994	551 996	366 874	920 827	26 078	3	4	20				
325	Chemical manufacturing	3 858	179 308	2 396	4 860	88 959	975 852	713 449	1 691 447	128 532	4	4	54				
3259	Other chemical product and preparation manufacturing	1 021	47 589	660	1 249	23 254	487 850	263 371	760 219	42 010	12	5	66				
326	Plastics and rubber products manufacturing	5 997	191 397	4 779	9 279	129 010	525 709	495 437	1 014 960	24 826	5	5	4				
3261	Plastics product manufacturing	5 142	163 593	4 113	8 031	110 600	448 222	428 984	870 486	23 486	5	5	4				
327	Nonmetallic mineral product manufacturing	4 506	173 856	3 438	6 737	122 269	410 335	382 123	796 760	26 238	5	7	24				
3272	Glass and glass product manufacturing	1 431	49 184	1 079	1 721	32 520	115 547	80 632	200 712	8 258	12	3	67				
3273	Cement and concrete product manufacturing	2 341	93 674	1 774	3 656	66 879	220 831	235 254	456 451	14 184	7	13	18				
331	Primary metal manufacturing .	7 080	310 755	5 110	10 320	192 653	744 075	845 375	1 618 589	40 311	1	2	2				
3314	Nonferrous metal (except aluminum) production and processing	g	D	D	D	D	D	D	D	D	S	S	S				
3315	Foundries	4 025	159 847	2 961	5 606	97 531	491 488	204 028	700 327	16 107	1	1	5				
332	Fabricated metal product manufacturing	14 219	542 924	10 435	20 862	337 206	1 424 040	900 201	2 358 461	58 528	2	4	23				
3322	Cutlery and handtool manufacturing	2 096	86 936	1 347	2 831	44 199	411 096	116 501	524 981	12 174	4	2	22				
3323	Architectural and structural metals manufacturing	3 852	153 403	2 787	5 201	85 184	348 046	347 408	716 972	14 189	6	15	27				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	3 347	129 371	2 555	5 684	94 898	257 063	130 435	396 947	24 059	3	6	53				
3328	Coating, engraving, heat treating, and allied activities	1 191	35 691	985	1 721	27 106	73 007	27 892	100 983	942	6	8	28				
3329	Other fabricated metal product manufacturing	1 240	47 513	947	1 981	32 873	89 924	68 584	178 525	3 311	9	32	24				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
OREGON—Con.													
31-33	Manufacturing—Con.												
333	Machinery manufacturing	11 224	465 232	6 973	13 205	243 798	939 241	898 263	1 864 447	31 076	3	2	10
3331	Agriculture, construction, and mining machinery manufacturing	1 957	83 467	1 258	2 402	47 643	134 130	211 868	361 555	3 749	8	10	21
3332	Industrial machinery manufacturing	3 028	118 895	1 544	2 504	53 380	241 217	193 886	464 315	6 558	9	2	25
3333	Commercial and service industry machinery manufacturing	1 299	55 243	907	1 730	31 098	124 926	72 262	195 119	6 306	2	6	2
3335	Metalworking machinery manufacturing	955	36 690	600	1 113	21 280	77 616	38 665	114 194	5 575	4	2	31
3339	Other general purpose machinery manufacturing	2 988	133 011	1 944	3 950	68 765	282 932	319 192	598 304	7 729	4	6	22
334	Computer and electronic product manufacturing	28 795	1 578 114	13 984	26 082	663 897	10 306 035	2 290 726	12 628 903	329 881	1	1	3
3341	Computer and peripheral equipment manufacturing	7 736	405 393	2 656	4 534	182 863	443 732	439 582	875 320	50 597	1	1	1
3344	Semiconductor and other electronic component manufacturing	12 065	651 106	7 722	14 371	334 302	8 759 515	1 058 507	9 814 712	227 808	1	1	2
3345	Navigational, measuring, electromedical, and control instruments manufacturing	7 533	452 871	2 768	5 672	123 371	880 969	593 835	1 503 238	39 427	3	2	19
335	Electrical equipment, appliance, and component manufacturing	2 463	112 487	1 445	2 960	47 949	258 310	315 902	571 247	10 412	1	1	1
3359	Other electrical equipment and component manufacturing	1 575	79 698	923	1 958	33 906	158 384	232 244	388 519	9 716	1	1	1
336	Transportation equipment manufacturing	13 706	493 357	11 022	20 464	359 941	923 220	1 878 612	2 783 502	42 585	2	3	7
3361	Motor vehicle manufacturing	1 202	44 934	1 132	1 552	40 556	S	611 250	319 344	D	1	S	S
3362	Motor vehicle body and trailer manufacturing	6 257	194 208	5 128	9 130	139 237	529 628	736 746	1 263 749	D	4	2	S
3363	Motor vehicle parts manufacturing	1 374	60 381	923	1 818	36 985	168 710	145 253	313 481	D	2	2	S
3364	Aerospace product and parts manufacturing	1 750	91 667	1 264	2 902	63 949	306 904	88 604	393 317	D	1	1	S
3365	Railroad rolling stock manufacturing	g	D	D	D	D	D	D	D	D	S	S	S
3366	Ship and boat building	1 351	44 903	1 116	2 073	33 297	79 944	114 824	194 768	1 250	3	26	12
337	Furniture and related product manufacturing	7 117	210 272	5 507	10 737	136 036	618 144	375 952	996 609	24 889	5	7	22
3371	Household and institutional furniture and kitchen cabinet manufacturing	5 025	142 373	3 891	7 902	93 592	480 454	260 136	743 297	18 775	5	9	27
3372	Office furniture (including fixtures) manufacturing	1 540	51 973	1 163	2 143	32 613	101 480	67 058	169 846	3 677	6	12	48
339	Miscellaneous manufacturing	7 772	289 939	5 383	10 572	150 434	665 355	362 037	1 022 762	40 071	4	5	16
3391	Medical equipment and supplies manufacturing	3 540	147 890	2 378	4 679	76 411	315 951	147 346	461 610	20 805	5	9	14
3399	Other miscellaneous manufacturing	4 232	142 049	3 005	5 894	74 023	349 403	214 692	561 153	19 266	6	4	29
PENNSYLVANIA													
31-33	Manufacturing	675 602	26 880 222	478 934	965 959	16 125 178	93 776 840	89 720 311	183 720 920	4 893 444	1	1	2
311	Food manufacturing	69 290	2 390 312	51 810	105 121	1 584 603	12 382 620	11 702 927	24 048 804	541 651	3	1	5
3111	Animal food manufacturing	3 213	117 636	2 075	4 199	62 866	462 465	938 252	1 399 891	19 778	1	2	13
3113	Sugar and confectionery product manufacturing	10 680	424 655	8 592	17 187	314 306	2 645 792	1 792 407	4 445 570	126 249	1	1	4
3114	Fruit and vegetable preserving and specialty food manufacturing	5 826	191 766	4 939	10 057	144 872	853 048	812 845	1 675 798	45 269	2	1	23
3115	Dairy product manufacturing	7 463	288 868	4 474	9 566	168 212	946 641	2 116 234	3 034 973	106 339	3	7	18
3116	Animal slaughtering and processing	15 761	484 236	13 025	28 631	341 325	1 193 791	3 378 436	4 549 774	96 398	1	2	7
3118	Bakeries and tortilla manufacturing	13 982	477 565	9 933	17 982	304 682	2 376 160	955 349	3 327 633	67 129	16	4	16
3119	Other food manufacturing	11 140	345 829	7 695	14 875	195 678	3 232 338	1 235 221	4 473 183	61 666	1	1	6

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		A	B	C	D	E					F	G	H	I
	PENNSYLVANIA—Con.													
31-33	Manufacturing—Con.													
312	Beverage and tobacco product manufacturing	7 114	275 795	4 133	8 339	142 096	1 901 475	1 190 609	3 076 435	73 541	1	1	7	
3121	Beverage manufacturing ...	6 119	239 351	3 287	6 586	116 536	1 644 983	1 146 555	2 775 720	69 786	1	1	7	
3122	Tobacco manufacturing ...	995	36 444	846	1 753	25 560	256 492	44 054	300 715	3 755	1	1	1	
313	Textile mills	9 009	271 353	7 279	14 109	181 780	617 874	645 498	1 264 946	22 512	3	3	21	
3131	Fiber, yarn, and thread mills	1 679	42 782	1 456	2 654	33 642	56 685	143 602	199 678	1 355	1	2	9	
3132	Fabric mills	5 563	168 715	4 453	8 877	112 622	405 397	336 296	748 942	18 217	2	3	26	
3133	Textile and fabric finishing and fabric coating mills....	1 767	59 856	1 371	2 577	35 516	155 792	165 601	316 326	2 940	12	12	23	
314	Textile product mills	7 037	232 099	5 261	10 304	139 714	555 689	619 783	1 127 981	14 200	4	6	5	
3141	Textile furnishings mills ...	4 385	161 284	3 281	6 609	99 527	410 194	442 801	810 844	12 711	7	9	6	
3149	Other textile product mills ..	2 651	70 815	1 980	3 695	40 187	145 495	176 982	317 136	1 490	3	3	16	
315	Apparel manufacturing	17 704	410 148	14 231	25 361	260 313	1 599 091	1 950 991	3 599 284	30 515	4	2	16	
3151	Apparel knitting mills.....	1 295	29 147	1 109	2 019	21 324	67 284	56 502	123 967	880	9	11	50	
3152	Cut and sew apparel manufacturing	14 534	327 091	11 625	21 015	205 082	1 413 088	1 778 172	3 250 237	28 398	5	3	17	
3159	Apparel accessories and other apparel manufacturing	1 875	53 910	1 497	2 327	33 906	118 720	116 317	225 080	1 237	7	6	26	
316	Leather and allied product manufacturing	2 350	57 319	1 943	3 507	41 777	253 456	133 774	393 651	2 926	1	1	9	
3161	Leather and hide tanning and finishing	1 285	34 721	1 067	2 017	27 060	199 585	88 639	290 486	2 426	1	1	11	
321	Wood product manufacturing .	26 298	781 908	21 430	42 722	541 545	1 803 146	2 412 206	4 204 196	86 652	2	3	15	
3211	Sawmills and wood preservation	4 123	128 462	3 557	7 580	99 829	295 374	653 421	944 981	20 368	1	3	15	
3212	Veneer, plywood, and engineered wood product manufacturing	2 386	74 615	1 801	3 829	48 048	150 379	168 236	323 581	8 417	6	11	22	
3219	Other wood product manufacturing	19 789	578 831	16 071	31 312	393 667	1 357 393	1 590 549	2 935 634	57 867	2	4	22	
322	Paper manufacturing	25 645	1 184 099	19 362	42 804	800 473	5 090 917	4 413 554	9 532 456	315 719	2	1	7	
3221	Pulp, paper, and paperboard mills	6 148	375 656	5 004	11 562	290 651	2 659 019	1 588 031	4 259 186	169 802	2	1	2	
3222	Converted paper product manufacturing	19 496	808 444	14 358	31 242	509 823	2 431 898	2 825 523	5 273 269	145 917	3	3	16	
323	Printing and related support activities	41 665	1 479 611	30 953	57 641	956 022	3 556 329	2 226 396	5 783 654	187 821	2	2	12	
3231	Printing and related support activities	41 665	1 479 611	30 953	57 641	956 022	3 556 329	2 226 396	5 783 654	187 821	2	2	12	
324	Petroleum and coal products manufacturing	6 197	367 290	4 139	9 644	227 408	3 091 554	11 441 368	14 523 296	261 987	1	1	2	
3241	Petroleum and coal products manufacturing ...	6 197	367 290	4 139	9 644	227 408	3 091 554	11 441 368	14 523 296	261 987	1	1	2	
325	Chemical manufacturing	36 347	2 137 123	19 567	40 445	974 824	18 792 675	10 730 564	29 362 566	964 171	1	1	3	
3251	Basic chemical manufacturing	5 823	349 824	3 712	7 485	196 335	1 626 440	1 032 061	2 660 906	83 902	1	2	18	
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	3 320	186 829	2 030	4 351	101 675	600 241	1 121 213	1 702 800	49 382	1	2	16	
3254	Pharmaceutical and medicine manufacturing ...	15 836	1 086 602	7 030	14 768	432 145	14 503 619	6 461 399	20 842 485	729 203	1	1	3	
3255	Paint, coating, and adhesive manufacturing	4 039	186 859	2 176	4 500	82 152	637 162	706 674	1 340 747	22 696	1	2	18	
3256	Soap, cleaning compound, and toilet preparation manufacturing	2 607	108 865	1 654	3 370	53 413	305 516	456 883	763 094	27 261	2	9	32	
3259	Other chemical product and preparation manufacturing	4 085	189 764	2 576	5 223	95 904	1 010 761	813 258	1 824 141	47 687	4	2	11	
326	Plastics and rubber products manufacturing	47 849	1 621 950	37 392	74 610	1 089 446	4 569 348	4 250 451	8 823 507	301 995	1	2	11	
3261	Plastics product manufacturing	43 443	1 463 669	34 211	68 173	987 923	4 101 128	3 832 347	7 928 249	291 292	1	3	11	
3262	Rubber product manufacturing	4 406	158 281	3 181	6 437	101 523	468 219	418 103	895 258	10 703	2	2	19	

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		A	B	C	D	E					F	G	H	I
	PENNSYLVANIA—Con.													
31-33	Manufacturing—Con.													
327	Nonmetallic mineral product manufacturing	28 525	1 068 197	22 266	45 635	764 747	3 017 249	2 598 201	5 628 222	393 062	4	4	8	
3271	Clay product and refractory manufacturing	5 441	178 854	4 281	8 472	127 490	473 756	309 899	780 518	22 079	1	4	20	
3272	Glass and glass product manufacturing	10 371	407 771	8 161	16 771	301 877	1 147 059	1 088 166	2 258 398	209 584	1	1	12	
3273	Cement and concrete product manufacturing	8 414	314 587	6 624	14 283	222 933	942 936	835 628	1 767 097	146 098	13	12	12	
3279	Other nonmetallic mineral product manufacturing	3 868	149 887	2 865	5 384	99 357	387 478	286 834	677 745	14 245	2	3	6	
331	Primary metal manufacturing .	45 693	2 068 762	35 307	73 399	1 473 514	6 413 888	7 903 857	14 378 249	235 848	1	1	3	
3311	Iron and steel mills and ferroalloy manufacturing ..	18 496	957 738	14 511	29 122	698 461	3 335 221	4 056 943	7 483 996	104 097	1	2	4	
3312	Steel product manufacturing from purchased steel	5 719	256 975	4 555	9 679	188 127	849 161	846 478	1 696 459	31 945	2	3	14	
3313	Alumina and aluminum production and processing	3 356	145 685	2 413	6 184	95 839	369 481	900 212	1 220 106	18 227	6	6	5	
3314	Nonferrous metal (except aluminum) production and processing	7 632	341 396	5 449	11 159	221 543	1 104 149	1 519 075	2 641 183	42 535	1	1	6	
3315	Foundries	10 491	366 968	8 379	17 255	269 545	755 874	581 148	1 336 505	39 043	3	3	11	
332	Fabricated metal product manufacturing	86 676	3 293 274	63 968	133 455	2 092 530	7 304 453	6 047 218	13 461 521	364 550	1	2	10	
3321	Forging and stamping.....	11 306	413 740	8 384	16 938	260 615	915 252	787 817	1 687 331	46 390	2	5	8	
3322	Cutlery and handtool manufacturing	2 368	81 033	1 786	3 822	50 035	226 824	91 069	323 733	4 386	5	11	32	
3323	Architectural and structural metals manufacturing	22 181	845 137	16 205	34 173	531 306	1 734 290	1 766 137	3 557 525	55 624	2	8	13	
3324	Boiler, tank, and shipping container manufacturing ..	5 101	196 011	3 850	8 400	129 795	422 148	693 603	1 132 194	24 744	2	7	42	
3325	Hardware manufacturing ...	2 982	96 195	1 874	3 172	49 892	275 585	140 581	420 085	16 050	3	3	19	
3326	Spring and wire product manufacturing	4 914	173 740	3 660	7 386	109 662	399 046	378 251	786 968	16 503	2	10	21	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	19 392	738 639	14 718	31 340	503 554	1 515 455	672 599	2 181 639	103 326	6	4	31	
3328	Coating, engraving, heat treating, and allied activities	4 605	177 601	3 477	8 331	120 249	404 296	725 715	1 144 613	30 368	7	5	32	
3329	Other fabricated metal product manufacturing	13 828	571 179	10 014	19 892	337 421	1 411 558	791 445	2 227 434	67 159	1	3	10	
333	Machinery manufacturing	53 314	2 334 405	32 848	65 633	1 215 581	4 927 766	4 921 191	9 961 397	213 994	1	2	6	
3331	Agriculture, construction, and mining machinery manufacturing	7 016	303 130	5 028	10 222	187 746	706 324	962 197	1 703 105	19 967	3	2	31	
3332	Industrial machinery manufacturing	7 052	327 842	3 807	7 733	136 715	734 596	597 420	1 321 331	25 976	4	7	12	
3333	Commercial and service industry machinery manufacturing	3 537	152 310	1 948	3 880	68 247	308 637	378 702	680 092	13 499	4	13	16	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	5 776	245 755	3 779	8 134	142 126	567 198	645 334	1 217 537	23 983	3	5	32	
3335	Metalworking machinery manufacturing	11 571	489 726	8 103	15 865	314 452	901 698	488 411	1 440 820	39 442	4	5	16	
3336	Engine, turbine, and power transmission equipment manufacturing	2 020	95 197	1 239	2 569	48 587	172 353	131 650	307 092	6 284	3	9	25	
3339	Other general purpose machinery manufacturing .	16 344	720 444	8 944	17 229	317 709	1 536 960	1 717 476	3 291 420	84 844	2	2	7	
334	Computer and electronic product manufacturing	38 010	1 740 646	19 684	39 226	673 850	3 836 451	3 914 996	7 864 747	242 713	2	3	3	
3341	Computer and peripheral equipment manufacturing .	g	D	D	D	D	D	D	D	11 032	S	S	13	
3342	Communications equipment manufacturing	2 997	148 562	1 287	2 254	44 273	255 984	374 482	642 567	D	10	27	S	
3343	Audio and video equipment manufacturing	h	D	D	D	D	D	D	D	D	S	S	S	
3344	Semiconductor and other electronic component manufacturing	14 446	624 698	8 358	17 405	287 527	1 180 522	899 585	2 119 177	107 676	4	8	5	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
PENNSYLVANIA—Con.													
31-33	Manufacturing—Con.												
334	Computer and electronic product manufacturing—Con.												
3345	Navigational, measuring, electromedical, and control instruments manufacturing	13 699	692 048	6 164	11 636	197 940	1 558 888	1 245 814	2 814 151	52 036	1	2	6
3346	Manufacturing and reproducing magnetic and optical media	2 031	82 746	1 557	3 451	60 525	426 552	208 609	644 293	D	1	1	S
335	Electrical equipment, appliance, and component manufacturing	22 707	884 531	15 109	31 002	457 853	2 460 306	2 097 109	4 558 381	109 547	1	2	6
3351	Electric lighting equipment manufacturing	4 580	147 837	3 342	6 954	90 884	454 287	488 332	946 302	D	1	1	S
3352	Household appliance manufacturing	1 135	35 632	990	2 082	25 500	98 794	148 462	244 097	D	12	9	S
3353	Electrical equipment manufacturing	5 176	214 065	3 189	6 299	98 370	559 126	483 535	1 045 081	13 516	3	3	8
3359	Other electrical equipment and component manufacturing	11 817	486 997	7 588	15 667	243 099	1 348 100	976 780	2 322 901	79 813	2	3	7
336	Transportation equipment manufacturing	40 818	1 984 340	29 703	59 297	1 312 465	4 939 603	6 349 009	11 322 783	229 068	1	1	2
3362	Motor vehicle body and trailer manufacturing	i	D	D	D	D	D	D	D	14 395	S	S	26
3363	Motor vehicle parts manufacturing	12 961	487 505	10 378	19 201	339 150	1 300 003	1 423 143	2 686 467	84 400	3	1	4
3364	Aerospace product and parts manufacturing	6 023	537 846	3 551	10 579	376 249	531 627	846 578	1 361 694	D	1	1	S
3365	Railroad rolling stock manufacturing	8 922	436 012	5 572	10 160	220 200	1 224 270	1 702 010	3 018 572	40 065	1	1	3
3369	Other transportation equipment manufacturing .	4 744	236 933	3 683	6 623	169 254	1 267 553	891 151	2 159 038	D	1	1	S
337	Furniture and related product manufacturing	24 296	810 066	17 975	36 174	503 631	2 158 778	1 399 280	3 564 058	148 563	3	2	53
3371	Household and institutional furniture and kitchen cabinet manufacturing . . .	14 786	433 087	11 496	22 955	297 770	1 080 451	709 809	1 795 089	124 047	5	3	64
3372	Office furniture (including fixtures) manufacturing . . .	7 574	322 671	5 065	10 489	169 907	897 629	567 054	1 466 288	22 931	2	2	7
3379	Other furniture related product manufacturing . . .	1 937	54 308	1 414	2 729	35 954	180 698	122 417	302 681	1 585	6	9	26
339	Miscellaneous manufacturing .	39 058	1 486 992	24 576	47 532	691 006	4 504 172	2 771 328	7 240 784	152 411	1	2	7
3391	Medical equipment and supplies manufacturing . . .	19 376	777 367	11 378	22 085	323 128	2 684 824	1 428 706	4 075 726	98 141	1	4	9
3399	Other miscellaneous manufacturing	19 682	709 624	13 198	25 447	367 877	1 819 348	1 342 622	3 165 058	54 269	1	2	9
RHODE ISLAND													
31-33	Manufacturing	60 388	2 295 978	40 652	80 885	1 210 742	6 039 219	4 690 190	10 652 680	300 070	1	1	9
311	Food manufacturing	2 552	66 445	1 836	3 512	42 216	205 542	237 156	438 160	31 896	3	4	38
3118	Bakeries and tortilla manufacturing	1 347	26 067	874	1 465	17 703	72 549	38 432	107 130	1 808	5	10	52
313	Textile mills	3 299	100 620	2 676	5 578	74 030	228 728	226 099	446 096	7 207	3	6	15
3132	Fabric mills	1 691	53 503	1 388	2 786	38 936	121 723	119 380	246 031	2 765	5	5	25
3133	Textile and fabric finishing and fabric coating mills....	1 374	40 052	1 092	2 388	30 254	91 937	88 821	164 523	1 483	2	12	57
322	Paper manufacturing	1 336	51 736	934	2 178	34 724	116 065	103 821	221 171	9 031	9	8	37
3222	Converted paper product manufacturing	1 242	48 879	847	1 968	32 127	104 843	99 411	205 756	D	8	4	S
323	Printing and related support activities	2 587	83 992	1 958	3 645	51 620	154 144	104 798	258 534	3 220	14	8	35
3231	Printing and related support activities	2 587	83 992	1 958	3 645	51 620	154 144	104 798	258 534	3 220	14	8	35
325	Chemical manufacturing	2 576	136 981	1 454	3 131	60 870	440 001	386 503	819 339	17 813	1	1	16
3259	Other chemical product and preparation manufacturing	1 358	68 241	795	1 619	31 723	176 565	172 135	350 184	6 371	2	1	17
326	Plastics and rubber products manufacturing	3 855	158 950	2 788	5 795	92 273	427 378	336 792	749 479	19 110	3	4	16
3261	Plastics product manufacturing	3 807	156 234	2 752	5 692	89 946	419 555	330 711	734 619	17 772	3	4	15
331	Primary metal manufacturing .	1 385	60 389	981	2 201	39 080	201 997	166 229	373 852	3 103	6	4	1

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
RHODE ISLAND—Con.													
31-33	Manufacturing—Con.												
332	Fabricated metal product manufacturing	8 932	326 149	6 960	13 596	218 071	579 275	523 560	1 091 639	37 102	2	3	28
3323	Architectural and structural metals manufacturing	2 636	108 778	2 106	4 254	76 882	117 016	237 593	355 407	2 108	1	1	1
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	1 494	57 536	1 179	2 319	40 582	118 831	60 120	168 475	10 863	9	14	81
3328	Coating, engraving, heat treating, and allied activities	1 732	52 765	1 428	2 817	36 592	101 011	51 094	150 901	7 502	4	5	40
3329	Other fabricated metal product manufacturing	1 141	40 732	783	1 606	23 775	86 071	60 757	145 455	5 161	3	2	3
333	Machinery manufacturing	3 429	149 040	2 110	4 405	76 972	349 142	260 956	609 372	8 146	3	2	9
3335	Metalworking machinery manufacturing	1 100	49 019	714	1 544	28 482	79 680	43 938	125 725	567	5	6	1
3339	Other general purpose machinery manufacturing .	1 622	69 470	1 016	2 076	33 585	186 926	167 142	350 621	6 112	3	1	1
334	Computer and electronic product manufacturing	6 240	316 809	2 355	4 270	82 932	671 563	517 166	1 194 061	58 734	1	3	23
3341	Computer and peripheral equipment manufacturing .	1 048	15 992	109	204	3 630	134 446	145 647	281 094	D	1	1	S
3344	Semiconductor and other electronic component manufacturing	1 565	74 104	792	1 502	20 177	83 947	94 519	177 486	29 043	3	11	45
3345	Navigational, measuring, electromedical, and control instruments manufacturing	3 476	219 172	1 362	2 378	56 585	436 624	261 835	703 833	28 081	1	3	15
335	Electrical equipment, appliance, and component manufacturing	4 447	192 211	2 729	5 647	94 643	878 290	506 158	1 364 166	44 126	2	1	1
3359	Other electrical equipment and component manufacturing	3 871	173 372	2 303	4 900	84 140	817 934	433 292	1 237 872	D	1	1	S
336	Transportation equipment manufacturing	1 813	62 301	1 510	2 851	42 019	134 978	89 765	221 775	18 314	4	3	82
3366	Ship and boat building	1 451	50 411	1 165	2 313	35 255	98 842	74 031	172 873	2 447	3	3	31
337	Furniture and related product manufacturing	2 097	70 302	1 408	2 749	39 874	145 577	97 504	238 200	4 334	4	2	52
3372	Office furniture (including fixtures) manufacturing ...	1 183	40 040	767	1 474	23 061	86 853	44 616	127 462	2 662	6	2	82
339	Miscellaneous manufacturing .	12 682	417 202	8 587	16 668	198 628	1 180 289	811 113	1 984 762	26 886	2	2	13
3391	Medical equipment and supplies manufacturing ...	1 361	52 525	784	1 519	20 843	155 700	79 817	240 017	4 044	3	1	18
3399	Other miscellaneous manufacturing	11 321	364 677	7 804	15 149	177 785	1 024 589	731 296	1 744 745	22 841	3	2	15
SOUTH CAROLINA													
31-33	Manufacturing	279 328	10 411 821	212 349	430 579	6 756 356	39 228 391	45 366 683	84 526 128	2 668 200	1	1	2
311	Food manufacturing	18 094	468 635	14 359	27 954	330 619	2 233 362	2 180 115	4 357 700	77 411	1	3	7
3114	Fruit and vegetable preserving and specialty food manufacturing	2 288	65 596	2 101	3 879	55 975	552 464	280 063	833 341	D	1	1	S
3116	Animal slaughtering and processing	10 001	214 068	8 645	17 003	169 635	626 920	818 722	1 441 597	20 793	1	1	12
3118	Bakeries and tortilla manufacturing	2 735	89 467	1 455	2 429	42 293	404 196	274 461	663 846	9 844	1	14	35
3119	Other food manufacturing ..	1 616	48 371	1 155	2 315	31 742	267 909	246 302	513 071	14 020	1	1	9
313	Textile mills	37 244	1 051 311	32 327	61 642	804 874	2 885 610	3 874 763	6 856 640	151 117	1	3	8
3131	Fiber, yarn, and thread mills	6 864	174 864	6 189	12 184	140 508	421 864	768 443	1 266 302	25 325	3	13	10
3132	Fabric mills	20 922	600 803	18 088	34 028	459 165	1 557 974	1 769 866	3 314 015	82 614	1	2	15
3133	Textile and fabric finishing and fabric coating mills....	9 458	275 644	8 051	15 431	205 201	905 772	1 336 454	2 276 322	43 179	2	9	3
314	Textile product mills	11 517	278 274	9 629	19 063	207 240	714 588	1 397 198	2 125 825	14 103	1	2	9
3141	Textile furnishings mills ...	7 599	171 939	6 375	12 775	131 775	468 477	1 080 761	1 561 638	7 976	1	1	14
3149	Other textile product mills ..	3 918	106 335	3 255	6 288	75 465	246 111	316 437	564 187	6 127	1	5	9
315	Apparel manufacturing	3 550	73 940	3 072	5 445	56 806	174 133	192 064	369 457	14 736	19	11	6
3151	Apparel knitting mills.....	1 479	34 429	1 381	2 460	30 488	105 323	122 524	228 629	12 478	3	12	2
3152	Cut and sew apparel manufacturing	1 882	33 744	1 558	2 722	23 308	56 248	56 458	115 093	2 222	36	26	39

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	SOUTH CAROLINA—Con.																
31-33	Manufacturing—Con.																
321	Wood product manufacturing	10 081	320 224	8 125	18 010	228 144	720 335	1 305 849	2 003 347	28 951	10	6	8				
3211	Sawmills and wood preservation	3 204	104 294	2 715	6 222	82 316	271 058	659 984	918 525	15 213	2	2	1				
3212	Veneer, plywood, and engineered wood product manufacturing	3 587	117 884	2 816	6 078	80 161	208 356	358 277	568 113	4 451	27	20	24				
3219	Other wood product manufacturing	3 290	98 046	2 594	5 710	65 668	240 922	287 588	516 709	9 288	5	7	22				
322	Paper manufacturing	12 541	593 046	9 985	20 161	423 865	2 613 950	2 526 616	5 127 552	453 182	1	1	1				
3221	Pulp, paper, and paperboard mills	6 122	357 176	4 827	9 707	260 624	1 715 028	1 522 970	3 237 279	411 794	1	1	1				
3222	Converted paper product manufacturing	6 419	235 870	5 158	10 454	163 241	898 922	1 003 646	1 890 273	41 388	1	1	8				
323	Printing and related support activities	5 401	188 629	3 991	7 075	120 133	425 034	353 580	773 853	55 365	4	2	6				
3231	Printing and related support activities	5 401	188 629	3 991	7 075	120 133	425 034	353 580	773 853	55 365	4	2	6				
325	Chemical manufacturing	33 419	1 718 427	19 316	41 868	807 017	5 309 792	6 595 895	11 875 584	371 814	1	1	5				
3251	Basic chemical manufacturing	14 466	912 425	5 810	12 540	289 831	2 051 761	1 359 824	3 369 125	96 656	3	1	18				
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	9 729	398 255	7 294	16 026	269 759	1 406 880	3 185 446	4 629 225	84 184	1	1	1				
3254	Pharmaceutical and medicine manufacturing	3 148	127 278	1 949	3 930	63 901	665 661	595 964	1 221 242	22 041	1	1	2				
3255	Paint, coating, and adhesive manufacturing	1 344	49 379	936	2 036	29 791	308 973	332 245	636 903	9 403	6	11	24				
3259	Other chemical product and preparation manufacturing	3 401	161 116	2 535	5 511	120 881	613 954	773 878	1 406 264	D	2	4	S				
326	Plastics and rubber products manufacturing	23 387	925 514	18 547	37 940	644 724	3 586 918	2 998 326	6 559 473	222 035	2	4	12				
3261	Plastics product manufacturing	16 240	586 878	12 535	25 311	374 574	2 268 036	1 700 763	3 943 860	105 588	2	4	8				
3262	Rubber product manufacturing	7 147	338 635	6 011	12 629	270 149	1 318 882	1 297 563	2 615 613	116 447	3	7	21				
327	Nonmetallic mineral product manufacturing	8 658	331 235	6 652	14 370	229 976	1 159 476	734 489	1 896 160	153 358	5	3	4				
3271	Clay product and refractory manufacturing	2 033	72 678	1 704	3 744	55 908	228 370	97 701	322 418	8 278	1	4	7				
3272	Glass and glass product manufacturing	1 594	62 231	1 228	2 518	42 470	307 349	225 267	527 273	16 216	2	1	28				
3273	Cement and concrete product manufacturing	4 408	174 873	3 242	7 167	120 247	557 934	354 611	921 393	124 404	10	6	3				
331	Primary metal manufacturing	5 484	273 701	4 329	9 717	210 565	927 293	1 730 448	2 648 638	104 718	1	1	2				
3311	Iron and steel mills and ferroalloy manufacturing	1 892	133 872	1 533	3 862	113 005	538 328	1 055 225	1 599 037	D	1	1	S				
3313	Alumina and aluminum production and processing	980	46 571	732	1 596	31 811	118 733	317 391	437 908	D	1	1	S				
332	Fabricated metal product manufacturing	26 392	917 696	20 464	39 698	634 666	2 592 647	2 162 266	4 761 908	126 997	2	2	6				
3321	Forging and stamping	1 642	61 422	1 329	2 792	43 974	178 524	179 288	354 264	23 165	25	23	15				
3322	Cutlery and handtool manufacturing	1 484	43 516	1 234	2 293	31 343	139 297	129 716	273 761	3 121	1	1	1				
3323	Architectural and structural metals manufacturing	5 194	176 556	3 556	6 866	109 066	410 696	440 798	849 729	14 506	2	3	13				
3324	Boiler, tank, and shipping container manufacturing	1 205	49 485	987	2 296	36 274	171 427	236 543	408 280	6 784	1	1	1				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3 840	145 255	2 897	5 090	93 825	335 178	153 928	489 320	15 366	4	7	22				
3328	Coating, engraving, heat treating, and allied activities	1 568	51 006	1 042	2 154	31 627	113 854	158 503	277 228	6 986	4	5	9				
3329	Other fabricated metal product manufacturing	10 373	349 979	8 613	16 497	267 678	1 149 196	803 364	1 957 299	56 455	1	3	9				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	SOUTH CAROLINA—Con.																
31-33	Manufacturing—Con.																
333	Machinery manufacturing	21 011	810 806	14 219	30 029	476 793	8 401 253	5 565 192	13 936 525	274 126	1	1	5				
3331	Agriculture, construction, and mining machinery manufacturing	3 117	105 475	2 321	5 301	68 758	151 481	996 906	1 112 672	D	1	1	S				
3332	Industrial machinery manufacturing	1 926	73 998	1 175	2 255	35 418	186 012	108 507	278 021	D	12	11	S				
3333	Commercial and service industry machinery manufacturing	1 411	43 722	1 093	2 186	25 994	128 580	163 284	286 927	7 869	2	1	6				
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2 454	77 414	1 868	3 983	50 262	284 726	267 772	552 720	6 189	1	1	6				
3335	Metalworking machinery manufacturing	2 301	94 694	1 574	3 071	57 375	171 475	111 848	283 003	D	4	7	S				
3336	Engine, turbine, and power transmission equipment manufacturing	5 333	237 678	3 821	8 134	153 872	7 062 321	3 379 071	10 471 356	208 138	2	1	6				
3339	Other general purpose machinery manufacturing	4 469	177 826	2 368	5 098	85 114	416 658	537 805	951 826	15 607	3	3	3				
334	Computer and electronic product manufacturing	8 408	355 328	5 583	11 834	177 331	884 791	1 693 307	2 587 085	87 695	3	2	1				
3343	Audio and video equipment manufacturing	g	D	D	D	D	D	D	D	D	S	S	S				
3344	Semiconductor and other electronic component manufacturing	4 095	187 410	2 778	6 187	92 293	313 283	379 822	703 172	73 542	5	2	1				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1 817	73 423	1 202	2 382	42 050	297 440	256 254	557 550	2 358	6	5	1				
335	Electrical equipment, appliance, and component manufacturing	10 376	411 364	8 047	16 174	269 776	1 163 443	1 444 489	2 610 542	64 075	3	1	2				
3352	Household appliance manufacturing	2 593	82 367	2 423	4 500	73 461	234 140	474 673	704 170	39 639	10	1	3				
3353	Electrical equipment manufacturing	3 571	140 843	2 584	5 392	82 383	419 989	382 994	801 082	6 333	3	2	15				
3359	Other electrical equipment and component manufacturing	3 864	176 865	2 806	5 837	107 989	486 983	548 980	1 047 296	16 762	1	1	1				
336	Transportation equipment manufacturing	30 627	1 270 493	23 747	49 682	878 768	4 111 604	9 387 363	13 460 143	420 580	1	2	9				
3361	Motor vehicle manufacturing	i	D	D	D	D	D	D	D	D	S	S	S				
3362	Motor vehicle body and trailer manufacturing	g	D	D	D	D	D	D	D	D	S	S	S				
3363	Motor vehicle parts manufacturing	16 920	673 384	12 998	28 410	441 481	2 062 447	3 724 999	5 780 992	217 567	2	3	8				
3364	Aerospace product and parts manufacturing	1 908	85 399	1 525	3 277	66 484	233 224	173 414	411 508	11 790	1	1	1				
3365	Railroad rolling stock manufacturing	f	D	D	D	D	D	D	D	4 573	S	S	1				
3366	Ship and boat building	2 090	75 452	1 741	3 743	55 344	167 102	253 119	420 221	D	7	1	S				
3369	Other transportation equipment manufacturing	1 730	69 671	1 585	4 777	59 100	245 588	964 616	1 214 107	47 234	7	9	66				
337	Furniture and related product manufacturing	4 700	125 411	3 831	7 090	87 951	236 486	250 540	494 281	9 270	5	3	24				
3371	Household and institutional furniture and kitchen cabinet manufacturing	3 334	82 008	2 845	5 313	61 624	159 666	166 093	326 381	6 398	7	2	33				
3372	Office furniture (including fixtures) manufacturing	1 079	35 002	765	1 345	21 750	64 054	65 353	136 063	2 853	8	9	21				
339	Miscellaneous manufacturing	7 238	250 224	5 597	11 643	147 401	928 380	492 749	1 444 293	25 117	2	2	6				
3391	Medical equipment and supplies manufacturing	3 087	107 471	2 545	5 581	68 552	616 152	206 601	844 722	13 183	1	2	2				
3399	Other miscellaneous manufacturing	4 151	142 753	3 052	6 061	78 850	312 228	286 149	599 571	11 934	3	4	13				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
SOUTH DAKOTA													
31-33	Manufacturing	35 954	1 137 540	27 433	56 306	769 355	3 775 635	6 582 528	10 355 806	156 923	1	3	6
311	Food manufacturing	6 827	192 446	5 697	12 535	151 983	498 704	1 712 485	2 216 825	30 452	2	10	23
3116	Animal slaughtering and processing	4 758	123 656	4 330	9 411	103 980	362 709	1 082 738	1 442 531	8 981	1	1	47
321	Wood product manufacturing .	1 473	47 502	1 215	2 642	33 955	94 483	152 152	244 831	2 658	3	5	24
323	Printing and related support activities	1 518	46 146	1 087	1 854	28 369	117 115	67 484	181 715	7 576	2	8	7
3231	Printing and related support activities	1 518	46 146	1 087	1 854	28 369	117 115	67 484	181 715	7 576	2	8	7
326	Plastics and rubber products manufacturing	1 505	44 324	1 200	2 510	33 314	157 859	128 090	286 494	7 079	4	18	38
3261	Plastics product manufacturing	1 245	34 967	975	2 080	25 743	129 645	112 739	243 291	D	5	22	S
327	Nonmetallic mineral product manufacturing	1 248	47 668	1 055	2 243	35 562	126 010	78 056	201 056	8 261	2	3	18
3273	Cement and concrete product manufacturing	1 101	42 108	939	1 985	31 684	112 966	70 424	179 834	7 091	3	3	21
332	Fabricated metal product manufacturing	3 624	115 767	2 693	6 099	73 174	267 349	263 768	530 286	6 824	3	3	13
3323	Architectural and structural metals manufacturing	1 820	58 150	1 245	2 874	30 990	108 359	122 487	224 556	2 362	5	4	25
333	Machinery manufacturing	4 153	144 560	2 995	6 101	94 936	396 578	443 029	841 022	10 647	2	3	8
3331	Agriculture, construction, and mining machinery manufacturing	1 744	56 123	1 182	2 570	34 619	146 774	219 965	367 633	6 137	4	6	7
3339	Other general purpose machinery manufacturing .	1 064	40 089	845	1 656	27 884	115 367	140 602	256 955	2 153	1	3	24
334	Computer and electronic product manufacturing	3 505	110 825	2 728	5 199	81 501	529 044	2 584 265	3 120 625	34 845	2	3	2
3341	Computer and peripheral equipment manufacturing .	g	D	D	D	D	D	D	D	D	S	S	S
3344	Semiconductor and other electronic component manufacturing	1 673	38 628	1 210	2 075	22 424	93 092	271 665	373 645	D	1	1	S
336	Transportation equipment manufacturing	2 426	83 348	1 926	3 890	56 555	190 029	237 660	421 999	5 762	12	2	35
3362	Motor vehicle body and trailer manufacturing	1 104	38 975	907	1 697	27 428	63 286	99 897	163 905	D	26	7	S
337	Furniture and related product manufacturing	1 866	46 939	1 285	2 444	28 102	80 685	77 148	156 457	4 044	13	14	39
3371	Household and institutional furniture and kitchen cabinet manufacturing	1 630	38 576	1 106	1 995	23 247	66 970	55 822	121 327	3 597	15	17	43
339	Miscellaneous manufacturing .	4 114	126 567	2 740	5 038	68 670	814 614	274 909	1 099 444	13 810	1	1	1
3399	Other miscellaneous manufacturing	h	D	D	D	D	D	D	D	D	S	S	S
TENNESSEE													
31-33	Manufacturing	384 719	14 344 689	290 530	587 361	9 258 659	51 129 897	62 385 347	113 789 183	3 601 340	1	1	1
311	Food manufacturing	38 782	1 298 940	27 946	56 424	821 895	6 106 075	6 034 079	12 175 459	428 760	1	1	2
3112	Grain and oilseed milling ...	2 423	124 397	1 786	4 415	87 079	1 014 310	1 293 340	2 310 197	45 403	1	1	4
3113	Sugar and confectionery product manufacturing	3 803	154 705	2 807	5 510	102 533	1 133 185	482 516	1 638 810	41 387	1	1	1
3114	Fruit and vegetable preserving and specialty food manufacturing	2 966	113 846	2 439	5 713	85 369	742 063	584 026	1 324 943	109 153	1	1	1
3115	Dairy product manufacturing	2 021	82 141	1 146	2 284	39 357	360 143	529 921	884 985	18 393	1	10	31
3116	Animal slaughtering and processing	10 728	247 336	8 852	18 051	181 083	591 235	1 424 665	2 032 296	42 724	1	1	1
3118	Bakeries and tortilla manufacturing	12 516	421 513	7 602	13 904	219 724	1 233 851	881 996	2 113 334	118 528	2	1	1
3119	Other food manufacturing ..	3 527	128 125	2 760	5 450	90 143	788 863	612 882	1 403 341	46 246	3	6	2
312	Beverage and tobacco product manufacturing	3 216	128 516	2 174	4 539	81 767	2 293 321	1 086 594	3 350 709	70 244	1	1	1
3121	Beverage manufacturing ...	2 310	99 306	1 523	3 234	62 588	1 422 042	850 851	2 253 973	51 939	1	1	1
313	Textile mills	6 177	199 783	5 069	11 326	153 885	678 242	778 212	1 442 586	19 895	1	2	4
3131	Fiber, yarn, and thread mills	2 612	70 860	2 446	4 790	62 960	192 274	270 068	463 048	5 662	2	2	12
3132	Fabric mills	2 417	93 918	1 673	4 601	66 665	395 426	392 421	776 431	12 230	1	3	3
3133	Textile and fabric finishing and fabric coating mills....	1 148	35 006	950	1 936	24 260	90 543	115 723	203 106	2 002	1	5	20

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	TENNESSEE—Con.																
31-33	Manufacturing—Con.																
314	Textile product mills	3 464	100 056	2 792	5 558	67 794	333 065	330 441	640 324	9 840	8	8	9				
3149	Other textile product mills ..	2 558	75 475	2 051	4 011	50 209	216 237	228 459	430 135	7 848	1	6	11				
315	Apparel manufacturing	7 505	174 831	6 227	12 387	117 999	470 799	450 600	897 489	5 963	12	5	6				
3151	Apparel knitting mills	2 623	58 498	2 265	4 552	43 985	143 131	122 825	263 174	2 338	2	5	7				
3152	Cut and sew apparel manufacturing	4 546	107 711	3 688	7 345	68 405	316 032	310 222	605 275	3 624	20	7	8				
316	Leather and allied product manufacturing	1 351	30 757	1 107	1 768	17 924	68 821	67 363	132 324	2 450	3	28	25				
3169	Other leather and allied product manufacturing	961	22 751	757	1 284	12 896	49 115	34 447	83 856	1 233	1	1	1				
321	Wood product manufacturing .	15 690	428 434	12 931	25 242	306 649	951 023	1 536 543	2 475 237	49 334	4	5	15				
3211	Sawmills and wood preservation	3 128	80 077	2 671	5 135	62 539	190 178	419 682	608 028	20 035	14	18	35				
3212	Veneer, plywood, and engineered wood product manufacturing	1 141	38 325	890	1 931	25 785	87 441	111 607	198 516	4 733	2	1	17				
3219	Other wood product manufacturing	11 422	310 032	9 370	18 176	218 324	673 404	1 005 254	1 668 694	24 566	4	4	10				
322	Paper manufacturing	16 089	620 747	12 780	26 134	432 194	1 942 664	2 499 204	4 427 647	206 034	2	2	2				
3221	Pulp, paper, and paperboard mills	3 176	202 715	2 542	5 429	152 340	801 231	826 215	1 637 093	145 583	1	1	1				
3222	Converted paper product manufacturing	12 912	418 032	10 238	20 705	279 854	1 141 432	1 672 989	2 790 554	60 452	3	4	8				
323	Printing and related support activities	18 580	652 261	14 309	27 138	423 828	1 546 062	960 779	2 512 236	83 340	2	1	6				
3231	Printing and related support activities	18 580	652 261	14 309	27 138	423 828	1 546 062	960 779	2 512 236	83 340	2	1	6				
325	Chemical manufacturing	29 042	1 581 836	15 231	33 424	657 389	4 720 058	5 731 523	10 671 348	396 458	1	1	1				
3251	Basic chemical manufacturing	16 181	1 013 728	6 747	15 145	353 519	2 050 734	2 851 143	5 054 911	254 626	1	1	1				
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	3 073	159 006	2 046	4 963	94 175	586 577	692 179	1 270 199	42 640	1	1	1				
3254	Pharmaceutical and medicine manufacturing ...	2 228	112 801	1 445	3 099	49 616	1 246 450	794 635	2 116 715	32 493	1	1	1				
3255	Paint, coating, and adhesive manufacturing	1 324	55 216	771	1 695	25 234	137 062	233 227	367 101	10 326	3	6	10				
3256	Soap, cleaning compound, and toilet preparation manufacturing	2 308	90 442	1 404	2 886	40 229	107 142	451 103	562 994	7 898	1	6	25				
3259	Other chemical product and preparation manufacturing	3 368	130 809	2 410	4 809	82 327	511 204	616 527	1 128 410	47 920	1	1	2				
326	Plastics and rubber products manufacturing	31 837	1 148 038	25 511	52 633	827 278	3 086 236	3 139 189	6 213 313	199 458	1	2	13				
3261	Plastics product manufacturing	19 988	641 896	15 985	32 745	438 735	1 990 322	1 906 478	3 888 453	144 471	2	3	18				
3262	Rubber product manufacturing	11 849	506 141	9 526	19 888	388 543	1 095 913	1 232 711	2 324 860	54 986	1	1	3				
327	Nonmetallic mineral product manufacturing	12 530	478 215	10 020	20 929	352 881	1 549 104	1 093 130	2 643 449	134 204	2	2	27				
3271	Clay product and refractory manufacturing	2 045	74 192	1 565	3 272	47 844	228 518	110 548	344 128	13 765	1	1	7				
3272	Glass and glass product manufacturing	4 929	205 316	4 253	8 775	167 596	629 049	495 507	1 123 595	33 923	1	1	3				
3273	Cement and concrete product manufacturing	4 112	148 422	3 087	6 688	102 911	534 727	359 939	891 932	79 467	4	4	46				
3279	Other nonmetallic mineral product manufacturing	1 144	36 634	857	1 569	23 277	106 761	72 620	179 321	3 193	11	14	36				
331	Primary metal manufacturing .	11 264	500 901	8 563	17 621	328 783	1 259 732	2 890 828	4 113 100	86 240	5	7	6				
3312	Steel product manufacturing from purchased steel	1 563	62 131	1 227	2 544	42 245	211 634	374 630	591 697	10 254	2	1	3				
3313	Alumina and aluminum production and processing	4 113	193 179	3 122	6 707	129 132	624 029	1 725 865	2 277 263	42 277	1	1	7				
3314	Nonferrous metal (except aluminum) production and processing	1 443	56 606	973	2 004	33 212	123 314	263 551	388 983	3 548	1	2	16				
3315	Foundries	3 429	153 584	2 659	5 219	97 694	260 003	251 112	532 801	20 894	15	36	12				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
TENNESSEE—Con.													
31-33	Manufacturing—Con.												
332	Fabricated metal product manufacturing	35 500	1 229 570	27 879	55 512	828 656	3 094 230	2 713 114	5 823 017	150 902	2	4	7
3321	Forging and stamping.....	2 525	87 835	1 965	4 268	56 476	214 333	246 378	460 447	10 495	3	3	22
3322	Cutlery and handtool manufacturing	1 216	40 818	985	2 130	30 023	123 862	77 861	196 985	10 216	5	5	44
3323	Architectural and structural metals manufacturing	9 600	320 815	7 147	14 460	202 711	635 539	692 612	1 342 642	37 218	4	16	6
3324	Boiler, tank, and shipping container manufacturing ..	2 437	89 986	1 956	3 851	60 681	202 945	328 001	542 943	12 821	2	4	14
3325	Hardware manufacturing ...	2 719	88 538	2 024	4 188	57 961	275 294	439 556	719 933	13 034	1	1	1
3326	Spring and wire product manufacturing	1 979	55 292	1 677	3 433	41 990	153 356	131 138	291 059	4 373	4	5	14
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	6 274	255 214	4 835	9 379	170 670	548 761	269 654	805 755	16 266	7	11	41
3328	Coating, engraving, heat treating, and allied activities	2 724	76 795	2 211	4 159	54 414	161 385	70 719	235 493	6 346	5	6	23
3329	Other fabricated metal product manufacturing	6 026	214 276	5 078	9 644	153 728	778 753	457 195	1 227 761	40 134	4	3	11
333	Machinery manufacturing	30 958	1 167 632	23 361	47 388	732 318	4 227 654	5 000 728	9 224 153	135 664	1	1	4
3331	Agriculture, construction, and mining machinery manufacturing	6 255	220 070	5 052	10 019	150 385	878 040	1 743 030	2 621 322	26 619	3	2	2
3332	Industrial machinery manufacturing	1 396	56 709	865	1 494	26 928	116 896	127 434	276 782	4 330	4	9	49
3333	Commercial and service industry machinery manufacturing	1 476	57 137	932	1 936	30 342	288 862	253 476	537 661	6 650	3	2	42
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .	9 661	336 633	8 220	16 940	253 478	1 539 017	1 348 674	2 857 536	34 294	2	2	5
3335	Metalworking machinery manufacturing	3 617	156 155	2 623	5 085	97 830	318 038	140 086	471 716	7 835	8	3	11
3336	Engine, turbine, and power transmission equipment manufacturing	1 612	49 334	1 364	2 759	35 401	309 197	321 302	597 808	8 147	1	3	14
3339	Other general purpose machinery manufacturing .	6 941	291 595	4 305	9 154	137 954	777 604	1 066 727	1 861 329	47 788	1	2	6
334	Computer and electronic product manufacturing	12 165	477 821	7 994	15 795	229 570	5 930 355	7 258 548	13 206 036	108 410	1	1	1
3341	Computer and peripheral equipment manufacturing .	h	D	D	D	D	D	D	D	D	S	S	S
3343	Audio and video equipment manufacturing	2 196	75 293	1 684	3 055	41 126	298 586	702 925	1 002 545	D	1	1	S
3344	Semiconductor and other electronic component manufacturing	h	D	D	D	D	D	D	D	5 681	S	S	1
3345	Navigational, measuring, electromedical, and control instruments manufacturing	h	D	D	D	D	D	D	D	10 764	S	S	10
335	Electrical equipment, appliance, and component manufacturing	20 001	623 792	16 147	31 753	431 401	2 039 629	2 534 536	4 627 771	108 050	1	2	6
3351	Electric lighting equipment manufacturing	1 552	49 430	1 089	2 021	27 208	144 629	141 837	295 603	9 448	14	22	59
3352	Household appliance manufacturing	10 340	287 732	8 705	17 053	209 134	957 359	1 665 531	2 649 792	76 076	1	1	1
3353	Electrical equipment manufacturing	4 633	155 766	3 640	6 996	106 344	405 544	365 143	783 883	10 364	4	1	7
3359	Other electrical equipment and component manufacturing	3 476	130 864	2 713	5 683	88 715	532 098	362 024	898 494	12 161	2	2	30

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
TENNESSEE—Con.													
31-33	Manufacturing—Con.												
336	Transportation equipment manufacturing	55 439	2 390 472	43 595	88 446	1 741 859	7 366 581	15 604 846	23 063 610	1 288 112	1	1	1
3361	Motor vehicle manufacturing	j	D	D	D	D	D	D	D	D	S	S	S
3362	Motor vehicle body and trailer manufacturing	2 458	68 841	1 684	3 391	48 992	152 186	267 842	414 503	D	11	2	S
3363	Motor vehicle parts manufacturing	32 415	1 165 067	25 355	52 064	799 786	4 338 352	7 193 065	11 530 208	487 152	1	1	3
3364	Aerospace product and parts manufacturing	2 219	112 480	1 529	2 899	76 490	165 860	242 051	506 521	D	2	34	S
3366	Ship and boat building	4 111	121 542	3 303	6 143	89 437	501 330	452 005	953 334	D	1	1	S
337	Furniture and related product manufacturing	19 809	543 702	16 492	33 324	388 273	1 303 625	1 048 125	2 357 626	33 601	2	2	25
3371	Household and institutional furniture and kitchen cabinet manufacturing	15 404	409 931	13 174	25 895	313 599	901 566	780 315	1 684 580	19 481	2	2	23
3372	Office furniture (including fixtures) manufacturing	3 472	118 920	2 690	6 259	74 156	356 603	202 999	558 964	10 724	9	5	60
339	Miscellaneous manufacturing	14 520	533 916	9 892	18 939	294 935	1 892 975	1 006 838	2 873 342	79 979	6	2	3
3391	Medical equipment and supplies manufacturing	5 213	256 657	2 575	4 943	114 611	1 081 734	409 973	1 456 786	57 148	16	3	2
3399	Other miscellaneous manufacturing	9 307	277 260	7 317	13 996	180 324	811 241	596 865	1 416 556	22 831	3	2	11
TEXAS													
31-33	Manufacturing	806 797	33 635 750	558 257	1 149 722	18 647 026	123 845 909	203 079 123	326 717 669	9 609 172	1	1	2
311	Food manufacturing	87 523	2 517 415	67 859	138 990	1 641 858	13 090 966	17 809 467	30 886 315	511 853	1	1	6
3111	Animal food manufacturing	2 752	97 771	1 779	4 223	59 174	694 569	1 080 474	1 780 244	24 767	4	7	10
3112	Grain and oilseed milling	2 305	83 731	1 680	3 731	52 224	393 711	918 251	1 318 411	18 442	1	5	6
3113	Sugar and confectionery product manufacturing	3 111	97 641	2 397	4 938	73 851	942 843	390 939	1 364 211	9 036	1	1	1
3114	Fruit and vegetable preserving and specialty food manufacturing	6 265	184 597	5 323	11 667	135 182	1 146 087	851 848	1 996 576	55 124	5	1	14
3115	Dairy product manufacturing	7 093	251 254	3 611	7 463	116 731	1 199 918	1 743 931	2 937 209	66 639	1	3	4
3116	Animal slaughtering and processing	37 462	926 142	31 541	69 450	701 106	3 657 884	10 093 823	13 837 518	157 084	1	4	5
3117	Seafood product preparation and packaging	1 437	27 723	1 135	1 914	17 691	64 077	102 616	166 658	5 737	7	7	36
3118	Bakeries and tortilla manufacturing	17 684	509 861	13 091	20 365	263 947	1 474 923	961 682	2 322 579	97 020	7	7	28
3119	Other food manufacturing	9 413	338 694	7 303	15 239	221 954	3 516 954	1 665 903	5 162 909	78 004	4	1	3
312	Beverage and tobacco product manufacturing	9 208	382 581	5 039	10 538	172 506	2 797 581	2 815 644	5 611 599	160 959	4	3	4
3121	Beverage manufacturing	9 039	379 097	4 920	10 332	170 649	2 787 279	2 807 982	5 593 660	160 959	4	3	4
313	Textile mills	4 682	122 739	4 019	7 960	96 541	431 446	371 311	793 480	9 908	3	2	7
3132	Fabric mills	2 436	70 481	2 155	4 334	58 511	205 387	154 646	350 647	7 121	1	3	9
3133	Textile and fabric finishing and fabric coating mills	2 100	49 361	1 730	3 355	35 707	216 276	203 412	421 358	2 754	6	2	4
314	Textile product mills	7 082	158 030	5 874	11 260	106 514	320 246	405 447	712 936	6 739	3	6	23
3141	Textile furnishings mills	2 811	57 871	2 422	4 682	41 236	156 375	156 091	305 708	2 409	8	4	60
3149	Other textile product mills	4 270	100 160	3 452	6 579	65 278	163 871	249 356	407 228	4 330	1	12	13
315	Apparel manufacturing	12 339	276 694	9 306	17 366	180 080	903 461	860 660	1 723 039	7 500	3	1	13
3152	Cut and sew apparel manufacturing	10 297	236 464	8 156	15 284	160 152	795 086	720 497	1 480 675	5 177	2	1	6
3159	Apparel accessories and other apparel manufacturing	1 839	34 161	991	1 802	16 242	97 479	124 186	214 967	2 297	13	8	39
316	Leather and allied product manufacturing	3 934	93 633	3 239	6 832	54 660	152 776	190 084	352 657	5 309	1	1	5
3162	Footwear manufacturing	2 630	65 091	2 145	4 907	36 910	82 043	95 634	188 982	4 705	1	2	3
3169	Other leather and allied product manufacturing	1 144	24 287	959	1 683	14 573	60 239	34 312	93 572	496	2	2	43

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —					
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I			
		A	B	C	D	E					F	G	H	I	A	F
	TEXAS—Con.															
31-33	Manufacturing—Con.															
321	Wood product manufacturing	26 292	699 756	22 017	44 320	503 558	1 855 786	2 421 496	4 303 119	68 813	5	6	7			
3211	Sawmills and wood preservation	4 238	93 586	3 855	7 568	77 307	364 749	517 884	879 285	17 385	28	29	23			
3212	Veneer, plywood, and engineered wood product manufacturing	4 521	145 419	3 659	7 778	104 105	450 656	576 760	1 026 624	24 891	1	1	2			
3219	Other wood product manufacturing	17 533	460 751	14 503	28 974	322 146	1 040 381	1 326 852	2 397 210	26 537	2	3	10			
322	Paper manufacturing	19 001	781 859	14 792	31 597	534 767	2 803 549	3 033 336	5 866 697	233 349	3	1	3			
3221	Pulp, paper, and paperboard mills	3 937	216 346	3 124	6 214	159 926	697 143	829 994	1 564 607	65 462	1	1	1			
3222	Converted paper product manufacturing	15 064	565 513	11 668	25 384	374 841	2 106 407	2 203 342	4 302 090	167 887	4	2	4			
323	Printing and related support activities	33 006	1 198 315	23 596	44 535	708 126	2 817 246	1 714 015	4 464 127	292 581	3	4	40			
3231	Printing and related support activities	33 006	1 198 315	23 596	44 535	708 126	2 817 246	1 714 015	4 464 127	292 581	3	4	40			
324	Petroleum and coal products manufacturing	20 491	1 508 645	13 178	31 442	892 225	8 823 078	54 069 453	62 462 800	1 977 821	1	1	1			
3241	Petroleum and coal products manufacturing	20 491	1 508 645	13 178	31 442	892 225	8 823 078	54 069 453	62 462 800	1 977 821	1	1	1			
325	Chemical manufacturing	68 853	4 126 135	41 700	92 107	2 301 377	25 470 785	47 181 770	72 309 351	1 946 025	1	2	2			
3251	Basic chemical manufacturing	29 337	1 925 467	17 116	39 625	1 083 446	12 493 086	28 769 281	40 977 228	1 048 692	1	3	4			
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	16 684	1 157 485	9 743	21 532	634 875	6 079 314	13 883 863	19 959 590	591 320	1	1	3			
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2 065	100 520	1 300	2 788	54 490	430 496	585 236	1 027 679	33 141	2	3	9			
3254	Pharmaceutical and medicine manufacturing	5 197	242 543	3 589	7 257	152 285	2 335 274	508 262	2 796 760	40 624	3	2	16			
3255	Paint, coating, and adhesive manufacturing	4 391	182 303	2 703	5 798	88 140	1 036 932	1 176 778	2 220 911	65 915	2	3	4			
3256	Soap, cleaning compound, and toilet preparation manufacturing	3 969	182 365	2 687	5 503	106 102	1 983 561	774 235	2 748 933	97 340	6	3	12			
3259	Other chemical product and preparation manufacturing	7 210	335 454	4 562	9 605	182 039	1 112 122	1 484 115	2 578 249	68 994	3	5	10			
326	Plastics and rubber products manufacturing	47 029	1 590 073	37 557	79 230	1 101 841	4 893 233	5 080 047	9 940 119	295 810	2	1	7			
3261	Plastics product manufacturing	42 095	1 410 478	33 498	70 939	973 679	4 467 975	4 664 903	9 076 894	277 175	2	1	7			
3262	Rubber product manufacturing	4 934	179 595	4 060	8 291	128 162	425 258	415 144	863 225	18 635	4	5	26			
327	Nonmetallic mineral product manufacturing	33 888	1 240 118	27 368	60 424	897 863	4 263 853	3 505 044	7 768 186	272 722	2	2	11			
3271	Clay product and refractory manufacturing	5 596	169 200	4 870	10 364	132 069	635 500	261 507	893 887	29 163	5	3	32			
3272	Glass and glass product manufacturing	4 919	207 998	4 053	8 981	150 807	609 800	485 937	1 087 584	26 700	1	1	3			
3273	Cement and concrete product manufacturing	16 907	618 761	13 367	30 025	442 350	2 179 865	2 143 289	4 331 973	130 762	2	2	5			
3274	Lime and gypsum product manufacturing	1 424	63 308	1 159	2 720	50 056	265 258	225 143	490 409	19 579	1	2	19			
3279	Other nonmetallic mineral product manufacturing	5 042	180 852	3 919	8 334	122 581	573 431	389 168	964 334	66 518	6	7	42			
331	Primary metal manufacturing	20 481	824 132	16 437	35 255	600 808	2 123 469	4 854 447	7 034 145	238 420	1	2	18			
3311	Iron and steel mills and ferroalloy manufacturing	4 795	245 676	3 652	7 825	175 627	655 346	1 285 892	1 967 650	107 115	1	1	5			
3312	Steel product manufacturing from purchased steel	1 776	59 189	1 453	3 245	42 613	140 360	299 686	450 777	18 667	14	9	28			
3313	Alumina and aluminum production and processing	4 130	187 558	3 144	7 056	128 719	405 583	1 191 355	1 619 108	19 512	1	1	10			
3314	Nonferrous metal (except aluminum) production and processing	2 170	75 497	1 706	3 900	54 395	295 514	1 750 320	2 045 834	5 716	1	1	1			
3315	Foundries	7 609	256 212	6 482	13 229	199 454	626 667	327 195	950 776	87 410	2	7	49			

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
TEXAS—Con.													
31-33	Manufacturing—Con.												
332	Fabricated metal product manufacturing	101 962	3 665 912	77 432	157 174	2 399 952	8 755 669	7 663 568	16 326 887	430 598	2	3	6
3321	Forging and stamping.....	6 729	255 142	5 095	10 698	163 680	515 560	540 365	1 064 133	32 718	2	4	10
3322	Cutlery and handtool manufacturing	1 872	62 533	1 532	3 002	44 938	186 689	122 095	305 043	4 317	6	1	6
3323	Architectural and structural metals manufacturing	38 135	1 285 447	27 904	54 562	789 361	2 865 392	3 212 259	6 022 088	137 163	2	2	13
3324	Boiler, tank, and shipping container manufacturing ..	7 090	285 074	5 532	13 015	203 065	728 771	819 172	1 563 590	30 625	3	3	8
3326	Spring and wire product manufacturing	3 185	91 616	2 702	5 679	67 406	229 411	299 375	533 066	13 959	14	15	15
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	19 043	745 518	14 734	28 938	529 938	1 487 983	775 686	2 181 355	77 311	5	10	15
3328	Coating, engraving, heat treating, and allied activities	5 296	177 981	4 735	9 979	120 516	344 774	208 021	603 019	39 947	35	48	32
3329	Other fabricated metal product manufacturing	19 683	723 510	14 624	29 637	457 518	2 279 435	1 573 960	3 818 129	89 741	3	3	11
333	Machinery manufacturing	65 435	2 892 017	41 437	84 626	1 395 580	7 305 158	7 124 542	14 475 344	348 726	2	2	3
3331	Agriculture, construction, and mining machinery manufacturing	20 929	1 065 959	11 918	25 399	461 631	2 062 097	2 304 854	4 385 358	140 471	3	5	7
3332	Industrial machinery manufacturing	6 633	319 348	3 509	6 979	129 697	833 324	871 155	1 722 611	51 063	2	2	6
3333	Commercial and service industry machinery manufacturing	3 652	164 610	1 986	3 900	53 428	310 634	343 549	686 196	7 420	4	10	19
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing ..	13 399	466 320	9 949	19 590	281 962	1 877 366	1 692 558	3 517 577	50 434	7	1	7
3335	Metalworking machinery manufacturing	3 121	120 633	2 597	5 107	80 091	259 241	125 232	418 841	9 330	10	9	16
3336	Engine, turbine, and power transmission equipment manufacturing	2 790	112 998	2 129	4 416	80 293	317 835	211 048	522 985	4 498	1	5	18
3339	Other general purpose machinery manufacturing ..	14 911	642 150	9 349	19 235	308 477	1 644 661	1 576 147	3 221 776	85 511	2	2	3
334	Computer and electronic product manufacturing	94 195	5 203 717	45 076	84 492	1 683 637	18 458 592	22 659 609	41 290 244	2 076 745	3	1	1
3341	Computer and peripheral equipment manufacturing ..	j	D	D	D	D	D	D	D	D	S	S	S
3342	Communications equipment manufacturing	12 572	548 688	6 643	8 498	150 370	2 182 327	6 037 929	8 313 245	D	24	10	S
3344	Semiconductor and other electronic component manufacturing	40 225	2 487 544	17 013	34 764	622 039	5 953 896	7 439 188	13 317 327	1 125 253	1	1	1
3345	Navigational, measuring, electromedical, and control instruments manufacturing	29 178	1 532 596	13 515	25 536	528 514	3 158 572	2 190 660	5 505 547	322 336	1	2	3
3346	Manufacturing and reproducing magnetic and optical media	g	D	D	D	D	D	D	D	D	S	S	S
335	Electrical equipment, appliance, and component manufacturing	17 429	624 302	12 259	24 701	328 739	1 931 079	2 550 704	4 512 158	73 202	2	2	8
3351	Electric lighting equipment manufacturing	1 853	64 855	1 202	2 539	30 533	173 314	195 685	367 374	10 697	5	5	33
3352	Household appliance manufacturing	2 774	72 051	2 421	4 770	53 954	389 251	575 943	952 995	20 558	1	1	6
3353	Electrical equipment manufacturing	6 376	257 306	3 989	7 934	112 954	800 707	766 635	1 552 542	15 789	4	1	9
3359	Other electrical equipment and component manufacturing	6 426	230 090	4 648	9 458	131 298	567 807	1 012 442	1 639 247	26 159	3	8	16

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
TEXAS—Con.													
31-33	Manufacturing—Con.												
336	Transportation equipment manufacturing	64 905	3 549 640	39 666	82 845	1 802 888	11 056 541	14 730 341	26 193 472	353 789	3	1	7
3361	Motor vehicle manufacturing	5 683	352 458	4 786	9 793	284 167	4 765 760	7 021 543	11 797 460	30 106	1	1	4
3362	Motor vehicle body and trailer manufacturing	6 302	211 359	4 913	10 579	144 070	411 610	621 781	1 047 755	9 013	10	5	17
3363	Motor vehicle parts manufacturing	13 777	515 656	10 380	21 002	325 673	1 551 557	2 136 248	3 722 486	93 570	13	8	24
3364	Aerospace product and parts manufacturing	33 558	2 258 624	15 048	32 534	893 174	3 842 977	4 323 798	8 539 397	198 106	2	3	2
3365	Railroad rolling stock manufacturing	1 096	40 226	828	1 514	26 310	129 274	267 660	372 576	D	1	1	S
3366	Ship and boat building	3 857	142 673	3 197	6 302	110 126	282 259	283 186	565 445	4 272	2	7	12
337	Furniture and related product manufacturing	28 022	813 170	22 346	47 809	532 130	1 867 776	1 592 754	3 470 772	66 448	2	2	10
3371	Household and institutional furniture and kitchen cabinet manufacturing	17 619	482 990	14 465	31 548	331 981	1 073 120	925 066	2 014 691	42 623	3	3	12
3372	Office furniture (including fixtures) manufacturing	6 034	212 148	4 475	9 456	127 176	467 754	360 317	826 621	13 403	7	5	25
3379	Other furniture related product manufacturing	4 370	118 032	3 406	6 805	72 973	326 902	307 370	629 461	10 422	2	1	21
339	Miscellaneous manufacturing	41 040	1 366 866	28 061	56 216	711 376	3 723 620	2 445 387	6 220 222	231 854	4	3	9
3391	Medical equipment and supplies manufacturing	15 208	574 219	10 567	21 217	288 518	1 744 607	894 487	2 667 424	130 117	2	1	7
3399	Other miscellaneous manufacturing	25 832	792 647	17 493	34 998	422 858	1 979 013	1 550 900	3 552 798	101 737	6	5	20
UTAH													
31-33	Manufacturing	105 841	3 980 420	71 215	141 213	2 162 404	12 719 678	12 898 172	25 624 350	674 855	2	1	6
311	Food manufacturing	14 316	419 011	10 157	20 649	259 629	1 567 327	2 698 816	4 258 674	104 003	4	4	16
3111	Animal food manufacturing	1 185	29 297	894	1 752	22 525	105 191	144 872	251 267	12 182	41	50	48
3114	Fruit and vegetable preserving and specialty food manufacturing	2 415	80 975	1 359	2 959	32 736	265 156	397 249	658 813	25 956	5	7	51
3115	Dairy product manufacturing	2 561	89 946	1 908	4 140	60 282	359 962	852 218	1 218 824	41 789	4	10	17
3116	Animal slaughtering and processing	2 656	67 139	2 204	4 888	51 401	189 654	813 621	1 000 003	3 522	1	1	4
3118	Bakeries and tortilla manufacturing	3 774	103 449	2 520	4 430	62 810	402 870	251 103	648 633	14 232	1	1	5
315	Apparel manufacturing	1 157	23 216	929	1 594	16 164	36 830	27 233	65 220	44	1	1	21
321	Wood product manufacturing	2 595	64 035	2 163	3 807	50 901	229 506	130 723	356 938	8 764	11	28	35
3219	Other wood product manufacturing	1 768	34 317	1 468	2 409	27 548	171 194	73 170	242 207	6 178	16	38	48
322	Paper manufacturing	2 644	101 473	2 202	4 251	77 082	578 969	388 539	967 082	D	1	1	S
3222	Converted paper product manufacturing	2 644	101 473	2 202	4 251	77 082	578 969	388 539	967 082	D	1	1	S
323	Printing and related support activities	6 162	206 430	4 803	7 468	134 830	524 613	221 490	746 988	25 256	13	5	37
3231	Printing and related support activities	6 162	206 430	4 803	7 468	134 830	524 613	221 490	746 988	25 256	13	5	37
325	Chemical manufacturing	6 327	284 531	3 472	6 345	114 372	1 224 669	715 303	1 888 352	63 319	1	8	19
3254	Pharmaceutical and medicine manufacturing	3 144	143 648	1 658	3 187	48 772	725 904	324 086	1 008 788	42 901	2	14	27
3256	Soap, cleaning compound, and toilet preparation manufacturing	1 672	71 380	810	1 106	26 626	212 134	206 932	416 184	13 690	1	3	12
326	Plastics and rubber products manufacturing	5 343	147 619	4 283	8 029	92 966	362 277	348 981	726 367	30 521	17	13	11
3261	Plastics product manufacturing	5 088	138 833	4 077	7 597	86 925	339 872	332 674	690 477	30 150	18	14	11
327	Nonmetallic mineral product manufacturing	3 072	113 138	2 402	4 783	75 970	342 932	285 714	627 501	29 202	8	8	20
3273	Cement and concrete product manufacturing	1 537	56 327	1 213	2 364	38 447	199 148	188 546	387 798	19 767	7	10	28
331	Primary metal manufacturing	3 337	146 258	2 438	5 074	103 871	673 323	1 154 713	1 818 335	28 377	1	1	14
3314	Nonferrous metal (except aluminum) production and processing	1 347	62 905	910	1 821	43 271	368 669	844 534	1 203 211	7 831	1	1	1
3315	Foundries	1 036	34 074	784	1 556	22 524	86 354	46 731	127 456	18 065	3	3	21

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —			
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
		A	B	C	D	E					F	G	H	I
	UTAH—Con.													
31-33	Manufacturing—Con.													
332	Fabricated metal product manufacturing	9 934	371 634	7 101	14 498	236 376	864 623	652 661	1 528 326	19 295	2	2	11	
3323	Architectural and structural metals manufacturing	4 239	165 623	2 925	6 161	97 990	353 258	352 122	703 856	10 648	2	2	19	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	1 706	60 347	1 228	2 446	39 675	121 259	59 154	180 259	2 258	1	2	16	
3329	Other fabricated metal product manufacturing	2 077	77 277	1 561	3 165	52 315	254 944	87 745	350 456	3 044	10	5	12	
333	Machinery manufacturing	4 687	198 474	3 001	5 751	104 074	456 599	384 410	854 894	16 017	3	1	15	
3339	Other general purpose machinery manufacturing .	2 069	97 386	1 047	2 134	38 330	202 083	134 925	357 317	5 607	1	1	4	
334	Computer and electronic product manufacturing	10 111	527 672	4 331	9 373	172 007	1 651 334	815 666	2 519 388	61 608	8	2	7	
3344	Semiconductor and other electronic component manufacturing	2 741	110 565	2 031	3 891	71 245	659 928	145 572	846 536	33 494	4	2	8	
3345	Navigational, measuring, electromedical, and control instruments manufacturing	5 413	320 865	1 620	4 310	80 022	809 200	545 287	1 365 775	23 428	15	5	13	
335	Electrical equipment, appliance, and component manufacturing	1 049	41 786	656	1 436	20 760	166 630	157 386	324 781	5 218	15	8	13	
336	Transportation equipment manufacturing	10 364	489 927	6 566	13 141	237 350	1 577 549	1 452 546	3 047 230	106 215	3	2	26	
3362	Motor vehicle body and trailer manufacturing	1 156	36 669	1 002	1 856	31 486	141 306	118 383	254 704	3 724	11	5	8	
3363	Motor vehicle parts manufacturing	4 343	152 093	3 774	7 500	124 968	636 132	1 090 229	1 733 452	66 978	5	5	41	
3364	Aerospace product and parts manufacturing	4 754	297 455	1 701	3 636	78 468	790 327	222 341	1 028 368	35 100	4	2	2	
337	Furniture and related product manufacturing	6 225	177 157	4 924	9 387	121 786	519 005	405 565	925 091	13 630	3	4	20	
3371	Household and institutional furniture and kitchen cabinet manufacturing	4 423	121 931	3 572	7 169	87 071	211 900	244 544	458 260	9 438	4	6	27	
339	Miscellaneous manufacturing .	16 443	579 025	10 375	22 747	289 377	1 607 584	1 385 034	2 987 173	76 931	1	1	7	
3391	Medical equipment and supplies manufacturing ...	6 498	276 717	3 733	7 887	99 710	867 510	314 941	1 173 473	30 638	2	1	8	
3399	Other miscellaneous manufacturing	9 945	302 307	6 642	14 860	189 667	740 074	1 070 093	1 813 701	46 293	1	3	10	
	VERMONT													
31-33	Manufacturing	41 545	1 716 181	27 759	56 921	936 398	4 971 665	4 394 643	9 469 223	274 139	1	2	4	
311	Food manufacturing	3 577	129 170	2 574	6 534	82 361	460 264	987 248	1 404 787	29 946	3	7	26	
3115	Dairy product manufacturing	1 755	64 485	1 395	4 064	45 819	237 590	580 181	779 582	22 861	5	14	28	
321	Wood product manufacturing .	2 348	67 490	1 959	4 124	48 068	160 875	211 206	367 736	4 069	5	10	60	
3219	Other wood product manufacturing	1 127	33 027	931	1 817	23 041	79 367	99 312	177 733	599	6	6	1	
322	Paper manufacturing	1 202	46 755	972	2 004	32 530	125 491	130 715	266 145	2 888	1	1	17	
323	Printing and related support activities	1 706	62 300	1 340	2 512	41 935	123 771	101 679	253 130	8 789	5	24	55	
3231	Printing and related support activities	1 706	62 300	1 340	2 512	41 935	123 771	101 679	253 130	8 789	5	24	55	
326	Plastics and rubber products manufacturing	1 496	49 436	1 168	2 303	31 419	125 288	82 011	207 631	1 511	2	6	1	
3261	Plastics product manufacturing	1 385	44 957	1 096	2 158	28 991	114 623	76 669	191 648	1 487	2	6	1	
327	Nonmetallic mineral product manufacturing	1 935	69 260	1 522	3 349	47 237	165 302	82 958	245 412	9 467	6	7	23	
3279	Other nonmetallic mineral product manufacturing	1 056	38 210	865	1 753	27 425	91 643	44 269	136 351	4 349	10	13	33	
332	Fabricated metal product manufacturing	4 590	210 895	2 977	5 849	95 333	533 718	270 024	929 385	29 253	1	1	5	
3329	Other fabricated metal product manufacturing	h	D	D	D	D	D	D	D	D	S	S	S	
333	Machinery manufacturing	3 745	162 668	2 511	5 261	97 543	271 419	264 010	533 330	22 743	3	9	10	
3335	Metalworking machinery manufacturing	1 883	83 822	1 378	2 968	57 791	112 130	120 229	236 688	12 682	3	3	11	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	VERMONT—Con.																
31-33	Manufacturing—Con.																
334	Computer and electronic product manufacturing	10 188	555 241	4 644	10 129	227 606	1 981 070	1 606 004	3 604 355	135 501	3	3	3				
3344	Semiconductor and other electronic component manufacturing	i	D	D	D	D	D	D	D	D	S	S	S				
3345	Navigational, measuring, electromedical, and control instruments manufacturing	g	D	D	D	D	D	D	D	D	S	S	S				
335	Electrical equipment, appliance, and component manufacturing	1 328	46 264	973	1 953	27 549	158 771	132 397	287 876	4 744	8	4	13				
336	Transportation equipment manufacturing	1 562	79 910	1 385	2 521	68 366	126 690	69 586	196 085	D	1	1	S				
3364	Aerospace product and parts manufacturing	g	D	D	D	D	D	D	D	D	S	S	S				
337	Furniture and related product manufacturing	2 977	73 658	2 537	4 486	58 287	253 941	106 268	359 821	2 246	4	2	27				
3371	Household and institutional furniture and kitchen cabinet manufacturing	2 714	66 091	2 319	4 145	53 361	230 484	95 754	325 634	2 044	5	2	29				
339	Miscellaneous manufacturing .	2 542	82 469	1 609	2 954	36 662	237 266	167 629	407 386	4 047	2	2	13				
3399	Other miscellaneous manufacturing	2 355	73 883	1 509	2 781	33 058	217 798	160 907	381 222	3 831	2	2	14				
	VIRGINIA																
31-33	Manufacturing	295 858	11 530 391	218 251	450 219	7 221 189	46 848 691	35 978 978	82 759 908	2 230 382	1	1	4				
311	Food manufacturing	31 389	906 909	24 934	52 652	669 501	4 851 473	4 505 492	9 340 423	215 516	2	1	3				
3113	Sugar and confectionery product manufacturing	1 130	39 688	984	1 882	32 753	352 661	101 274	455 642	D	1	1	S				
3115	Dairy product manufacturing	2 390	107 681	1 585	3 940	73 430	644 449	885 381	1 523 150	46 001	1	1	1				
3116	Animal slaughtering and processing	18 703	480 779	16 008	34 315	389 502	2 038 804	1 650 296	3 689 899	68 613	1	1	5				
3117	Seafood product preparation and packaging	1 095	30 135	919	1 730	18 635	115 959	202 905	318 995	9 131	5	6	28				
3118	Bakeries and tortilla manufacturing	4 801	137 118	3 077	5 901	83 489	952 544	490 591	1 442 249	30 806	10	3	12				
3119	Other food manufacturing ..	2 203	74 521	1 527	2 978	45 150	512 586	463 469	972 524	18 936	1	1	1				
312	Beverage and tobacco product manufacturing	9 516	564 852	6 132	10 992	285 241	10 096 116	2 991 628	13 084 797	147 450	1	1	1				
3121	Beverage manufacturing ...	3 115	139 434	1 856	3 413	76 030	1 507 407	1 071 091	2 577 214	D	1	1	S				
3122	Tobacco manufacturing	6 401	425 418	4 276	7 579	209 211	8 588 709	1 920 537	10 507 583	D	1	1	S				
313	Textile mills	15 156	496 181	13 286	25 845	409 879	1 912 309	1 290 074	3 193 393	101 544	1	1	5				
3131	Fiber, yarn, and thread mills	1 031	25 311	918	1 577	20 531	80 052	103 095	180 238	1 917	5	3	20				
3132	Fabric mills	12 280	420 811	10 776	21 682	355 159	1 701 217	959 002	2 654 212	91 005	1	1	1				
3133	Textile and fabric finishing and fabric coating mills....	1 845	50 059	1 592	2 585	34 189	131 040	227 977	358 943	8 622	2	6	62				
314	Textile product mills	4 452	106 232	3 625	7 882	70 149	219 559	461 507	685 371	9 547	7	8	10				
3141	Textile furnishings mills	3 031	75 091	2 404	5 421	49 905	161 469	377 757	546 060	6 414	2	3	9				
3149	Other textile product mills ..	1 421	31 141	1 221	2 461	20 243	58 090	83 749	139 311	3 133	23	31	25				
315	Apparel manufacturing	3 510	84 908	2 764	6 007	56 931	413 699	215 702	629 186	2 449	16	6	22				
3151	Apparel knitting mills	971	20 355	940	2 229	19 123	29 450	31 189	62 012	720	1	2	18				
3152	Cut and sew apparel manufacturing	2 362	64 043	1 601	3 468	36 307	398 840	183 176	581 610	1 710	22	2	30				
321	Wood product manufacturing .	18 887	561 367	15 313	31 977	395 377	1 424 516	2 069 549	3 508 911	168 203	4	8	45				
3211	Sawmills and wood preservation	4 523	139 642	3 876	8 542	105 806	315 388	764 665	1 108 862	121 975	3	8	62				
3212	Veneer, plywood, and engineered wood product manufacturing	4 712	152 820	3 662	7 590	100 173	458 458	489 070	941 853	27 992	3	3	19				
3219	Other wood product manufacturing	9 652	268 905	7 776	15 845	189 398	650 670	815 815	1 458 195	18 236	7	17	30				
322	Paper manufacturing	11 834	576 840	9 386	19 151	415 366	1 888 242	2 039 479	3 971 048	162 122	1	1	7				
3221	Pulp, paper, and paperboard mills	5 192	321 426	4 122	7 963	237 450	1 224 555	1 113 063	2 364 684	118 033	2	1	4				
3222	Converted paper product manufacturing	6 642	255 414	5 264	11 188	177 916	663 686	926 416	1 606 364	44 089	1	3	22				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —						
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	VIRGINIA—Con.																
31-33	Manufacturing—Con.																
323	Printing and related support activities	18 354	653 743	13 785	26 502	437 652	1 584 018	943 348	2 522 705	65 935	2	1	11				
3231	Printing and related support activities	18 354	653 743	13 785	26 502	437 652	1 584 018	943 348	2 522 705	65 935	2	1	11				
325	Chemical manufacturing	18 711	971 573	12 044	24 812	510 028	4 823 879	3 387 152	8 202 535	247 003	2	1	5				
3251	Basic chemical manufacturing	5 099	306 669	2 997	6 237	150 404	924 571	746 365	1 653 268	55 850	1	2	2				
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	4 499	228 778	3 359	7 552	149 504	785 913	790 219	1 634 737	60 341	1	1	1				
3254	Pharmaceutical and medicine manufacturing	3 863	187 372	2 013	3 499	69 362	1 969 296	976 607	2 975 177	86 885	1	1	1				
3256	Soap, cleaning compound, and toilet preparation manufacturing	1 442	69 319	1 186	2 339	38 146	366 731	222 300	507 239	25 850	18	17	49				
3259	Other chemical product and preparation manufacturing	2 621	125 276	1 687	3 524	68 055	335 321	227 985	563 834	2 655	3	3	22				
326	Plastics and rubber products manufacturing	22 571	851 777	17 782	38 223	593 560	2 598 593	2 532 422	5 124 496	171 855	1	2	7				
3261	Plastics product manufacturing	16 741	604 253	12 985	28 971	406 870	2 018 865	1 991 004	4 008 295	140 910	2	2	7				
3262	Rubber product manufacturing	5 830	247 525	4 797	9 252	186 690	579 728	541 418	1 116 201	30 946	2	3	20				
327	Nonmetallic mineral product manufacturing	11 920	426 771	9 281	19 949	294 669	1 268 482	918 901	2 190 275	110 778	3	2	17				
3272	Glass and glass product manufacturing	2 188	76 406	1 773	3 600	52 989	214 408	203 897	411 514	10 472	11	10	4				
3273	Cement and concrete product manufacturing	6 886	240 399	5 364	12 026	169 989	674 772	510 042	1 190 678	39 446	5	2	15				
3279	Other nonmetallic mineral product manufacturing	1 621	62 983	1 207	2 349	41 627	246 375	115 970	363 033	13 629	3	2	11				
331	Primary metal manufacturing	6 205	263 344	5 059	12 717	199 096	605 856	1 025 819	1 645 746	45 956	4	2	6				
3311	Iron and steel mills and ferroalloy manufacturing	1 001	56 399	805	1 888	44 430	144 030	340 485	490 943	5 569	10	7	48				
3313	Alumina and aluminum production and processing	1 649	68 088	1 325	4 180	52 384	122 481	366 539	492 258	2 878	4	3	18				
3315	Foundries	2 671	106 282	2 180	5 086	78 968	241 258	182 119	431 044	D	7	4	S				
332	Fabricated metal product manufacturing	17 713	647 054	13 527	27 986	442 905	1 777 570	1 512 748	3 296 537	101 179	2	5	10				
3321	Forging and stamping	1 084	34 043	916	1 788	25 830	160 763	80 827	238 706	9 081	9	41	44				
3323	Architectural and structural metals manufacturing	5 910	199 421	4 222	8 752	124 984	439 372	487 826	926 599	14 735	2	12	14				
3324	Boiler, tank, and shipping container manufacturing	1 470	69 891	1 174	2 274	49 628	283 867	396 764	688 534	34 554	2	2	4				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	4 050	156 166	3 204	7 036	111 455	248 537	141 630	393 792	17 778	6	17	41				
3329	Other fabricated metal product manufacturing	3 268	112 866	2 684	5 387	88 232	527 481	311 043	834 609	14 677	1	2	9				
333	Machinery manufacturing	16 117	604 230	11 060	22 614	347 624	1 744 503	1 651 670	3 343 092	53 241	1	1	9				
3331	Agriculture, construction, and mining machinery manufacturing	2 373	92 220	1 726	3 301	56 455	353 091	476 260	837 450	20 004	3	3	21				
3332	Industrial machinery manufacturing	1 715	65 585	1 018	2 117	34 597	153 045	107 059	261 477	3 082	2	2	34				
3333	Commercial and service industry machinery manufacturing	1 503	40 331	886	1 765	22 857	91 041	92 643	186 392	2 738	7	9	71				
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	5 119	177 495	4 024	8 059	116 346	545 959	546 193	1 047 045	19 261	2	2	4				
3335	Metalworking machinery manufacturing	1 118	51 822	732	1 582	28 398	131 786	64 799	201 511	2 288	1	1	23				
3339	Other general purpose machinery manufacturing	3 626	147 733	2 309	5 043	74 818	374 483	289 425	657 655	4 998	3	2	18				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
VIRGINIA—Con.													
31-33	Manufacturing—Con.												
334	Computer and electronic product manufacturing	18 342	906 188	8 633	17 262	293 582	3 038 317	1 920 415	4 980 183	214 133	1	2	5
3341	Computer and peripheral equipment manufacturing .	2 194	88 672	1 399	2 377	41 485	163 626	744 390	909 255	16 857	6	4	36
3342	Communications equipment manufacturing	2 166	100 416	1 043	2 152	32 701	194 498	247 228	447 487	7 106	4	10	14
3344	Semiconductor and other electronic component manufacturing	4 676	188 421	2 698	5 527	89 483	785 871	365 424	1 179 803	48 762	1	1	6
3345	Navigational, measuring, electromedical, and control instruments manufacturing	8 441	509 432	3 070	6 386	119 155	1 836 622	536 954	2 358 402	135 314	1	1	5
335	Electrical equipment, appliance, and component manufacturing	9 305	423 113	5 693	11 182	181 352	1 241 179	921 704	2 154 642	29 843	1	1	11
3351	Electric lighting equipment manufacturing	1 236	47 441	974	1 791	33 953	181 916	114 916	298 270	D	1	1	S
3353	Electrical equipment manufacturing	5 963	295 608	3 056	6 420	103 346	844 533	578 933	1 414 230	16 774	1	1	8
3359	Other electrical equipment and component manufacturing	2 046	79 048	1 608	2 869	43 353	212 270	225 615	437 408	10 214	2	2	28
336	Transportation equipment manufacturing	34 654	1 673 383	24 475	51 879	1 076 758	4 975 541	5 256 807	10 216 869	311 851	2	1	4
3361	Motor vehicle manufacturing	h	D	D	D	D	D	D	D	D	S	S	S
3362	Motor vehicle body and trailer manufacturing	1 526	40 558	1 298	2 444	34 307	150 111	100 989	255 428	D	9	1	S
3363	Motor vehicle parts manufacturing	6 231	247 389	4 639	9 955	155 401	805 368	992 897	1 796 016	57 368	12	6	18
3364	Aerospace product and parts manufacturing	1 034	78 534	465	1 024	27 780	170 420	89 609	258 842	D	1	1	S
3366	Ship and boat building	21 227	991 523	14 276	29 521	615 978	2 590 265	640 522	3 230 787	65 621	1	1	5
337	Furniture and related product manufacturing	17 187	468 708	14 382	28 109	348 528	1 265 893	912 690	2 163 787	25 742	1	3	12
3371	Household and institutional furniture and kitchen cabinet manufacturing	13 560	345 940	11 477	22 587	267 043	884 915	673 277	1 547 511	15 843	2	4	8
3372	Office furniture (including fixtures) manufacturing	2 419	81 482	1 976	3 789	56 524	201 325	107 908	305 045	7 283	5	5	38
3379	Other furniture related product manufacturing	1 209	41 285	930	1 733	24 962	179 653	131 505	311 231	2 617	1	1	32
339	Miscellaneous manufacturing .	9 173	308 699	6 452	13 149	168 704	940 657	678 958	1 615 130	29 901	3	9	6
3391	Medical equipment and supplies manufacturing ...	3 737	127 573	2 544	4 992	66 513	469 015	252 751	715 902	16 342	2	2	6
3399	Other miscellaneous manufacturing	5 436	181 126	3 908	8 157	102 191	471 642	426 206	899 228	13 560	6	17	12
WASHINGTON													
31-33	Manufacturing	258 610	10 930 483	164 950	331 526	5 534 627	38 896 066	40 703 035	79 891 423	1 713 177	1	1	4
311	Food manufacturing	37 964	1 119 570	30 332	58 375	792 198	3 914 008	5 465 330	9 346 519	150 003	4	3	8
3114	Fruit and vegetable preserving and specialty food manufacturing	10 020	274 592	8 826	16 227	214 276	1 186 159	1 063 090	2 240 322	46 303	1	6	16
3115	Dairy product manufacturing	1 248	53 456	821	1 682	33 233	246 956	560 933	791 519	14 912	3	2	10
3116	Animal slaughtering and processing	5 407	138 436	4 663	10 123	105 640	487 083	1 506 129	1 991 739	16 987	1	4	33
3117	Seafood product preparation and packaging	10 705	265 776	9 679	17 626	214 554	748 014	1 020 955	1 768 713	24 252	13	8	20
3118	Bakeries and tortilla manufacturing	5 482	206 197	2 677	5 226	112 602	516 929	397 084	916 410	23 150	9	9	21
3119	Other food manufacturing ..	3 193	118 762	2 372	4 831	81 420	491 308	498 461	984 881	13 103	3	12	5
312	Beverage and tobacco product manufacturing	3 299	137 487	1 820	3 993	68 792	619 785	765 179	1 277 352	82 226	2	5	41
3121	Beverage manufacturing ...	3 299	137 487	1 820	3 993	68 792	619 785	765 179	1 277 352	82 226	2	5	41
314	Textile product mills	2 248	68 541	1 506	2 745	29 111	149 165	115 177	264 994	7 815	3	9	70
3149	Other textile product mills ..	2 049	63 501	1 349	2 446	26 081	136 861	108 981	245 972	7 520	3	9	72
315	Apparel manufacturing	1 846	44 031	1 409	4 142	32 745	92 997	54 209	147 998	4 613	9	5	28
3152	Cut and sew apparel manufacturing	1 426	34 200	1 086	3 547	26 762	73 893	43 716	120 801	4 605	11	6	28

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

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		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I				
		A	B	C	D	E					F	G	H	I	A	F	I
	WASHINGTON—Con.																
31-33	Manufacturing—Con.																
321	Wood product manufacturing	16 699	616 258	14 125	29 788	485 233	1 500 271	2 585 451	4 094 015	136 637	5	6	10				
3211	Sawmills and wood preservation	7 995	335 283	6 868	15 269	271 196	889 841	1 665 233	2 558 557	117 779	6	10	11				
3212	Veneer, plywood, and engineered wood product manufacturing	2 677	101 381	2 303	4 805	78 128	181 828	342 135	532 539	10 318	13	11	22				
3219	Other wood product manufacturing	6 027	179 595	4 954	9 715	135 909	428 602	578 083	1 002 919	8 540	9	4	6				
322	Paper manufacturing	12 051	638 085	9 419	19 091	468 740	2 288 142	2 583 274	4 876 620	241 772	4	2	13				
3221	Pulp, paper, and paperboard mills	7 173	445 104	5 647	11 291	337 179	1 789 790	1 713 956	3 510 823	184 666	1	1	1				
3222	Converted paper product manufacturing	4 878	192 980	3 772	7 799	131 561	498 352	869 317	1 365 797	57 106	11	10	54				
323	Printing and related support activities	8 074	315 512	5 670	10 400	190 697	655 790	333 291	980 463	14 968	4	4	19				
3231	Printing and related support activities	8 074	315 512	5 670	10 400	190 697	655 790	333 291	980 463	14 968	4	4	19				
324	Petroleum and coal products manufacturing	3 138	222 075	1 979	3 388	134 499	1 665 296	6 355 551	7 914 384	337 580	2	1	1				
3241	Petroleum and coal products manufacturing	3 138	222 075	1 979	3 388	134 499	1 665 296	6 355 551	7 914 384	337 580	2	1	1				
325	Chemical manufacturing	4 733	253 371	2 660	5 530	114 852	923 933	828 678	1 751 243	87 234	3	8	43				
3251	Basic chemical manufacturing	1 513	100 916	855	2 028	47 187	313 478	414 585	729 594	63 171	2	21	59				
3254	Pharmaceutical and medicine manufacturing	1 164	55 331	633	1 102	20 488	203 261	69 367	271 966	9 902	8	14	10				
326	Plastics and rubber products manufacturing	11 473	377 180	8 739	17 109	251 684	1 018 116	898 399	1 910 063	58 031	2	3	11				
3261	Plastics product manufacturing	11 119	365 995	8 461	16 639	243 711	981 258	874 615	1 851 161	57 165	3	3	11				
327	Nonmetallic mineral product manufacturing	7 509	288 247	5 723	12 019	203 508	879 844	718 010	1 594 190	60 038	3	2	17				
3272	Glass and glass product manufacturing	2 245	83 130	1 865	3 851	61 783	264 271	205 192	460 275	24 353	1	3	30				
3273	Cement and concrete product manufacturing	3 960	160 644	2 982	6 355	111 239	495 952	384 045	884 473	20 930	4	3	14				
331	Primary metal manufacturing	5 849	258 720	4 337	9 038	170 301	559 863	747 995	1 318 789	24 782	2	4	17				
3313	Alumina and aluminum production and processing	1 710	78 926	1 120	2 407	45 616	174 204	322 920	507 709	D	1	1	S				
3314	Nonferrous metal (except aluminum) production and processing	996	45 672	648	1 289	25 257	94 767	123 042	211 995	3 435	1	2	9				
3315	Foundries	2 258	88 674	1 892	3 856	65 240	158 077	93 765	251 188	7 556	5	13	25				
332	Fabricated metal product manufacturing	16 742	635 384	12 093	24 095	401 130	1 453 731	1 100 296	2 495 584	52 603	3	3	11				
3323	Architectural and structural metals manufacturing	5 503	195 307	3 913	7 417	120 905	453 749	418 212	840 362	17 046	6	8	22				
3324	Boiler, tank, and shipping container manufacturing	1 077	50 880	814	1 598	33 695	157 123	194 782	355 385	4 493	2	1	7				
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	4 543	177 998	3 476	7 312	123 543	348 211	174 200	504 971	17 928	3	8	22				
3328	Coating, engraving, heat treating, and allied activities	2 001	82 025	1 290	2 656	45 746	167 531	81 935	239 693	2 051	3	8	41				
3329	Other fabricated metal product manufacturing	2 189	85 175	1 594	3 114	51 118	206 517	149 136	352 502	5 677	2	3	17				
333	Machinery manufacturing	12 995	570 345	8 304	15 519	298 236	1 365 193	1 060 376	2 383 499	65 954	3	4	39				
3332	Industrial machinery manufacturing	2 531	116 349	1 462	2 691	56 031	265 722	149 603	411 795	4 288	2	2	7				
3333	Commercial and service industry machinery manufacturing	1 058	46 763	528	1 050	17 626	108 861	60 022	164 534	2 946	3	13	37				
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1 435	50 348	1 074	2 164	29 902	140 304	117 230	253 577	3 060	1	1	11				
3335	Metalworking machinery manufacturing	2 184	95 643	1 345	1 735	38 651	302 682	115 264	381 917	38 119	13	19	67				
3339	Other general purpose machinery manufacturing	4 720	212 917	3 228	6 396	129 658	449 409	530 512	983 329	11 624	4	3	9				

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
WASHINGTON—Con.													
31-33	Manufacturing—Con.												
334	Computer and electronic product manufacturing	29 272	1 790 381	10 015	20 651	374 182	4 150 271	2 955 435	7 061 735	165 651	1	1	5
3341	Computer and peripheral equipment manufacturing .	3 805	213 110	959	1 883	36 197	637 061	665 472	1 305 879	25 517	2	1	1
3342	Communications equipment manufacturing	1 520	65 950	670	1 417	19 139	211 754	205 181	411 383	5 582	10	5	40
3344	Semiconductor and other electronic component manufacturing	6 676	262 187	3 913	8 166	129 022	726 244	543 937	1 272 039	56 770	3	6	4
3345	Navigational, measuring, electromedical, and control instruments manufacturing	16 167	1 204 108	3 850	8 142	174 145	2 444 396	1 306 797	3 711 306	74 327	2	2	9
335	Electrical equipment, appliance, and component manufacturing	2 898	111 904	1 889	3 577	46 109	371 431	220 892	595 547	29 715	10	18	1
336	Transportation equipment manufacturing	61 769	2 823 966	30 803	65 322	1 114 187	15 718 085	12 935 990	29 356 317	141 894	1	1	8
3362	Motor vehicle body and trailer manufacturing	g	D	D	D	D	D	D	D	699	S	S	10
3363	Motor vehicle parts manufacturing	2 280	82 891	1 609	3 193	53 668	200 058	249 207	451 783	D	2	4	S
3364	Aerospace product and parts manufacturing	l	D	D	D	D	D	D	D	92 281	S	S	7
3366	Ship and boat building	5 046	232 737	3 501	9 305	163 891	486 826	222 913	709 740	40 884	17	8	22
337	Furniture and related product manufacturing	7 503	225 343	5 712	10 732	137 333	531 854	309 121	834 728	20 142	6	6	29
3371	Household and institutional furniture and kitchen cabinet manufacturing	4 310	126 522	3 504	6 681	87 740	285 180	172 308	456 790	D	9	5	S
3372	Office furniture (including fixtures) manufacturing ...	2 677	80 723	1 819	3 209	38 317	178 486	86 143	259 159	11 727	6	15	49
339	Miscellaneous manufacturing .	11 519	403 371	7 638	14 475	200 635	999 700	579 064	1 559 715	20 472	3	4	19
3391	Medical equipment and supplies manufacturing ...	5 037	189 779	3 209	5 974	89 127	464 070	215 577	675 371	9 582	7	8	36
3399	Other miscellaneous manufacturing	6 482	213 592	4 429	8 502	111 508	535 630	363 488	884 344	10 890	3	2	15
WEST VIRGINIA													
31-33	Manufacturing	64 617	2 612 770	48 824	97 277	1 719 617	8 204 573	11 223 438	19 462 834	441 295	1	1	3
311	Food manufacturing	4 565	115 069	3 377	6 022	64 040	314 701	391 470	706 102	7 739	1	1	1
3116	Animal slaughtering and processing	3 082	55 380	2 611	4 520	44 391	156 631	257 250	414 099	5 760	1	1	1
321	Wood product manufacturing .	8 348	242 724	7 778	16 374	196 494	662 894	1 111 404	1 756 857	31 452	8	3	10
3211	Sawmills and wood preservation	2 923	78 730	2 481	4 919	61 079	247 293	393 886	629 835	12 974	5	6	18
3212	Veneer, plywood, and engineered wood product manufacturing	1 523	50 239	1 307	2 846	38 886	179 443	301 151	478 018	3 865	1	4	3
3219	Other wood product manufacturing	3 902	113 755	3 990	8 609	96 529	236 157	416 367	649 004	14 613	16	2	13
323	Printing and related support activities	2 609	81 929	2 135	4 393	62 655	232 496	193 869	425 817	3 178	1	1	6
3231	Printing and related support activities	2 609	81 929	2 135	4 393	62 655	232 496	193 869	425 817	3 178	1	1	6
325	Chemical manufacturing	10 533	656 532	6 663	13 638	376 922	2 691 925	3 451 382	6 101 457	208 456	1	1	3
3251	Basic chemical manufacturing	5 083	307 888	3 220	6 588	194 655	1 069 776	1 612 618	2 664 647	97 150	1	1	7
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	2 923	190 954	2 002	4 247	122 183	1 011 879	1 180 075	2 205 896	34 455	1	1	1
3254	Pharmaceutical and medicine manufacturing ...	1 613	106 150	803	1 418	30 500	474 933	483 374	908 262	D	1	1	S
326	Plastics and rubber products manufacturing	3 832	112 464	2 985	6 032	72 881	327 605	249 745	573 956	16 400	4	6	16
3261	Plastics product manufacturing	3 147	90 054	2 464	4 909	58 621	269 458	191 344	456 739	12 906	5	7	17

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E					F	G	H
WEST VIRGINIA—Con.													
31-33	Manufacturing—Con.												
327	Nonmetallic mineral product manufacturing	5 042	139 149	3 822	6 238	88 786	413 180	283 612	701 524	31 398	4	11	20
3271	Clay product and refractory manufacturing	1 408	35 919	1 142	2 281	24 022	76 347	43 894	124 504	7 273	2	5	2
3272	Glass and glass product manufacturing	1 871	47 347	1 479	1 802	31 003	114 553	90 394	209 732	8 696	3	17	16
3273	Cement and concrete product manufacturing	1 509	45 239	1 032	1 819	28 504	147 584	110 647	254 904	7 518	13	7	18
331	Primary metal manufacturing .	9 167	500 098	7 064	13 779	383 019	900 418	1 832 112	2 787 773	56 649	1	1	1
3311	Iron and steel mills and ferroalloy manufacturing ..	4 997	313 659	4 048	7 719	262 217	432 074	875 474	1 354 082	D	1	1	S
3313	Alumina and aluminum production and processing	2 331	103 266	1 735	3 466	70 000	255 091	730 239	987 114	30 251	1	1	1
3314	Nonferrous metal (except aluminum) production and processing	1 427	70 263	936	2 119	41 880	191 022	210 133	406 678	D	1	1	S
332	Fabricated metal product manufacturing	5 778	197 863	4 398	9 792	135 952	532 978	775 278	1 315 715	19 071	4	4	18
3323	Architectural and structural metals manufacturing	1 584	50 074	1 234	2 414	30 729	132 434	111 964	247 680	2 313	5	11	45
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing ...	1 513	49 899	1 084	2 225	37 618	86 591	47 362	135 189	4 619	4	13	56
333	Machinery manufacturing	2 914	102 009	2 075	3 853	58 770	196 055	258 920	493 832	6 598	3	27	11
3331	Agriculture, construction, and mining machinery manufacturing	1 400	55 845	896	1 846	29 004	74 294	126 842	253 125	1 093	7	71	10
334	Computer and electronic product manufacturing	1 564	61 934	863	1 847	16 703	204 861	71 434	281 234	6 624	18	40	70
336	Transportation equipment manufacturing	4 271	204 365	3 272	6 997	144 872	799 452	1 670 787	2 468 560	27 596	1	1	3
3363	Motor vehicle parts manufacturing	2 321	113 882	2 014	4 246	95 198	567 888	1 456 269	2 019 237	14 987	1	1	5
3364	Aerospace product and parts manufacturing	1 618	77 823	1 002	2 175	41 609	215 946	168 222	387 139	12 285	1	1	1
337	Furniture and related product manufacturing	1 045	25 690	778	941	14 608	96 999	22 447	119 642	2 352	8	18	62
339	Miscellaneous manufacturing .	1 528	46 576	1 218	2 379	30 959	136 951	43 405	180 091	3 200	18	5	24
3391	Medical equipment and supplies manufacturing ...	953	26 846	836	1 809	22 448	103 733	20 679	124 505	2 357	20	1	31
WISCONSIN													
31-33	Manufacturing	481 862	19 238 512	352 222	700 000	12 020 722	65 354 715	65 822 082	131 134 236	3 301 984	1	1	2
311	Food manufacturing	58 103	1 979 431	45 065	93 084	1 339 806	7 696 824	15 380 317	22 946 798	612 788	3	3	3
3111	Animal food manufacturing .	1 716	68 960	977	2 154	32 376	233 734	514 221	750 430	15 632	1	24	4
3112	Grain and oilseed milling ...	1 082	47 538	855	1 900	30 755	185 197	361 932	546 126	11 823	1	6	14
3113	Sugar and confectionery product manufacturing	2 063	62 881	1 395	2 649	36 739	188 303	425 262	596 820	128 385	2	4	4
3114	Fruit and vegetable preserving and specialty food manufacturing	8 204	292 874	6 842	15 177	214 484	1 072 566	1 431 436	2 461 136	59 328	19	12	4
3115	Dairy product manufacturing	16 187	602 661	12 843	26 640	425 817	2 297 647	7 796 356	10 066 353	165 441	2	2	11
3116	Animal slaughtering and processing	17 638	551 957	14 291	29 600	375 510	2 154 997	3 693 788	5 813 507	160 378	2	5	5
3118	Bakeries and tortilla manufacturing	4 951	122 144	3 178	5 528	79 696	321 990	270 499	596 674	15 601	18	26	19
3119	Other food manufacturing ..	6 199	228 450	4 630	9 364	143 234	1 233 257	859 005	2 078 802	56 159	1	1	6
312	Beverage and tobacco product manufacturing	2 873	125 572	2 104	4 401	81 258	601 729	692 773	1 298 336	60 632	3	3	12
3121	Beverage manufacturing ...	2 815	123 549	2 060	4 317	79 971	588 593	691 313	1 283 740	60 632	3	3	12
313	Textile mills	1 694	64 054	1 327	2 494	44 155	161 892	146 377	311 241	6 894	4	5	6
3132	Fabric mills	1 425	51 790	1 138	2 072	36 638	145 967	127 113	272 776	6 872	4	5	6
314	Textile product mills	1 810	44 118	1 459	2 683	26 311	95 195	97 532	190 426	D	5	7	S
3149	Other textile product mills ..	1 155	29 358	885	1 624	15 148	61 545	51 833	111 364	D	4	6	S
315	Apparel manufacturing	1 318	35 343	962	1 915	19 160	79 317	60 059	140 808	1 565	11	4	42
316	Leather and allied product manufacturing	2 117	61 410	1 434	2 796	35 409	166 253	188 032	379 810	5 478	1	1	7
3162	Footwear manufacturing ...	1 484	44 298	924	1 711	23 603	122 293	134 362	282 478	5 446	1	1	7

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —			
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I	
		A	B	C	D	E					F	G	H	I
	WISCONSIN—Con.													
31-33	Manufacturing—Con.													
321	Wood product manufacturing	29 230	923 003	23 203	46 130	643 708	2 082 629	2 655 056	4 758 982	140 798	1	3	15	
3211	Sawmills and wood preservation	2 635	85 913	2 084	4 848	62 512	168 687	432 956	606 496	44 879	6	24	32	
3212	Veneer, plywood, and engineered wood product manufacturing	4 032	135 823	3 257	7 073	95 935	344 917	381 693	730 355	22 916	4	4	7	
3219	Other wood product manufacturing	22 563	701 267	17 861	34 209	485 261	1 569 025	1 840 407	3 422 130	73 003	1	2	20	
322	Paper manufacturing	35 406	1 672 432	28 048	57 232	1 206 545	7 089 579	6 088 740	13 147 699	454 660	1	1	3	
3221	Pulp, paper, and paperboard mills	17 061	874 026	14 118	28 326	679 423	4 340 795	3 145 792	7 472 563	356 337	1	1	4	
3222	Converted paper product manufacturing	18 345	798 406	13 930	28 906	527 121	2 748 784	2 942 947	5 675 136	98 323	2	2	7	
323	Printing and related support activities	35 041	1 263 306	26 374	49 108	826 129	3 115 369	2 013 642	5 130 576	238 680	1	1	9	
3231	Printing and related support activities	35 041	1 263 306	26 374	49 108	826 129	3 115 369	2 013 642	5 130 576	238 680	1	1	9	
325	Chemical manufacturing	12 150	627 508	7 045	14 140	289 869	3 657 681	2 629 862	6 312 396	130 516	2	4	5	
3251	Basic chemical manufacturing	2 034	98 794	1 568	2 886	70 279	397 355	386 190	770 059	29 926	1	2	10	
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	979	27 196	701	1 648	30 376	128 959	150 307	282 847	11 381	14	5	21	
3254	Pharmaceutical and medicine manufacturing	1 912	102 956	865	1 694	32 115	389 868	152 569	547 336	24 562	3	8	14	
3255	Paint, coating, and adhesive manufacturing	2 100	100 459	1 077	2 163	39 790	394 678	398 579	795 393	4 432	3	3	7	
3256	Soap, cleaning compound, and toilet preparation manufacturing	3 460	222 737	1 844	3 773	84 659	2 077 908	1 246 419	3 345 874	48 639	4	6	8	
3259	Other chemical product and preparation manufacturing	1 247	57 192	762	1 533	26 549	216 799	235 791	455 411	9 424	2	4	16	
326	Plastics and rubber products manufacturing	29 751	1 098 244	23 382	46 589	730 454	2 822 125	2 788 304	5 643 326	224 349	2	2	13	
3261	Plastics product manufacturing	26 349	972 273	20 908	41 472	653 744	2 472 584	2 544 764	5 050 316	202 353	2	2	14	
3262	Rubber product manufacturing	3 402	125 970	2 475	5 116	76 709	349 542	243 539	593 010	21 996	5	2	34	
327	Nonmetallic mineral product manufacturing	10 346	391 886	8 238	18 012	277 242	1 634 848	953 460	2 600 486	140 828	2	1	13	
3272	Glass and glass product manufacturing	3 250	109 266	2 799	5 478	82 715	384 073	368 592	763 164	50 602	1	1	9	
3273	Cement and concrete product manufacturing	4 247	174 455	3 189	7 458	120 475	448 266	380 631	826 989	53 750	3	3	27	
3279	Other nonmetallic mineral product manufacturing	1 853	73 391	1 428	2 941	48 095	706 262	158 603	868 297	31 913	1	1	34	
331	Primary metal manufacturing	22 323	872 014	18 389	38 960	650 078	2 179 272	1 932 636	4 116 445	160 295	1	2	7	
3312	Steel product manufacturing from purchased steel	1 636	65 958	1 295	2 889	49 366	149 928	264 892	421 450	3 714	2	8	26	
3315	Foundries	18 786	724 892	15 668	32 729	547 074	1 859 744	1 273 434	3 134 566	143 996	2	2	8	
332	Fabricated metal product manufacturing	61 620	2 395 316	46 607	92 218	1 555 948	5 937 123	4 438 727	10 361 802	318 292	2	2	6	
3321	Forging and stamping	6 462	242 123	5 140	10 694	175 305	709 908	590 282	1 313 549	45 594	4	14	15	
3322	Cutlery and handtool manufacturing	4 105	158 558	3 221	6 409	103 737	553 208	312 599	871 772	20 752	1	1	6	
3323	Architectural and structural metals manufacturing	12 720	467 656	9 216	17 989	291 363	1 019 871	918 287	1 942 865	37 107	1	2	8	
3324	Boiler, tank, and shipping container manufacturing	4 660	199 588	3 582	7 365	135 148	548 009	665 969	1 190 077	49 896	9	5	8	
3325	Hardware manufacturing	2 098	105 040	1 379	2 531	50 883	349 831	252 207	601 196	19 074	1	3	3	
3326	Spring and wire product manufacturing	2 266	75 428	1 802	3 202	51 081	203 303	99 095	302 709	19 350	7	6	60	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	15 541	638 119	11 933	23 439	404 616	1 242 818	911 997	2 167 277	71 996	3	5	14	
3328	Coating, engraving, heat treating, and allied activities	5 793	185 980	4 527	8 582	135 389	366 289	161 497	526 444	15 700	8	7	13	
3329	Other fabricated metal product manufacturing	7 975	322 824	5 808	12 008	208 426	943 886	526 794	1 445 913	38 822	2	2	14	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

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		A	B	C	D	E					F	G	H
WISCONSIN—Con.													
31-33	Manufacturing—Con.												
333	Machinery manufacturing	61 301	2 766 368	38 783	72 925	1 468 731	6 307 282	6 976 056	13 344 959	272 687	1	1	3
3331	Agriculture, construction, and mining machinery manufacturing	12 715	548 744	8 516	15 539	314 846	1 686 528	2 244 309	3 943 461	74 190	2	1	4
3332	Industrial machinery manufacturing	8 947	450 032	5 069	9 487	205 455	868 836	796 940	1 670 414	23 005	2	2	17
3333	Commercial and service industry machinery manufacturing	2 926	106 899	1 688	3 339	49 246	329 521	260 082	590 090	8 042	4	4	19
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	5 939	253 114	3 378	6 331	112 050	515 402	739 363	1 252 321	24 958	8	8	7
3335	Metalworking machinery manufacturing	8 678	396 311	6 090	12 739	249 782	783 237	362 262	1 141 450	26 050	3	3	18
3336	Engine, turbine, and power transmission equipment manufacturing	8 787	439 625	6 342	10 203	260 870	733 621	1 263 521	2 028 555	74 725	2	2	2
3339	Other general purpose machinery manufacturing	13 309	571 643	7 700	15 288	276 482	1 390 137	1 309 578	2 718 668	41 716	1	3	11
334	Computer and electronic product manufacturing	16 234	734 766	9 068	18 017	312 145	2 541 931	2 220 526	4 753 327	94 854	4	2	4
3341	Computer and peripheral equipment manufacturing	2 108	88 839	1 482	3 315	51 174	776 045	228 587	998 221	31 846	1	1	1
3344	Semiconductor and other electronic component manufacturing	5 970	200 552	3 718	7 378	101 827	468 701	572 401	1 035 834	13 213	10	7	17
3345	Navigational, measuring, electromedical, and control instruments manufacturing	6 998	389 756	3 338	6 319	142 739	1 159 136	1 325 672	2 485 327	46 292	3	3	7
335	Electrical equipment, appliance, and component manufacturing	27 043	1 085 651	16 724	30 164	508 655	3 947 480	3 022 171	6 990 380	73 613	1	1	2
3351	Electric lighting equipment manufacturing	1 361	49 767	876	1 769	25 485	134 369	106 979	241 479	5 087	2	2	24
3352	Household appliance manufacturing	4 880	199 146	3 741	7 220	129 852	885 837	596 908	1 472 923	22 271	1	1	1
3353	Electrical equipment manufacturing	16 421	660 825	9 255	15 518	263 655	2 127 349	1 765 977	3 909 265	32 798	1	1	2
3359	Other electrical equipment and component manufacturing	4 381	175 913	2 852	5 656	89 662	799 925	552 307	1 366 713	13 457	1	2	6
336	Transportation equipment manufacturing	37 022	1 799 578	28 620	58 093	1 277 489	11 846 678	10 919 886	22 790 627	196 596	2	1	4
3361	Motor vehicle manufacturing	i	D	D	D	D	D	D	D	D	S	S	S
3362	Motor vehicle body and trailer manufacturing	h	D	D	D	D	D	D	D	9 814	S	S	7
3363	Motor vehicle parts manufacturing	17 383	826 660	13 274	27 043	551 395	2 376 223	2 758 959	5 184 176	119 826	5	7	5
3366	Ship and boat building	h	D	D	D	D	D	D	D	14 229	S	S	39
3369	Other transportation equipment manufacturing	5 369	237 347	4 006	8 322	164 502	843 812	1 042 744	1 886 985	38 033	1	1	4
337	Furniture and related product manufacturing	15 796	533 669	11 580	24 055	326 443	1 307 566	981 952	2 272 197	80 294	4	4	34
3371	Household and institutional furniture and kitchen cabinet manufacturing	9 325	290 433	7 038	14 851	183 573	662 728	573 358	1 223 391	52 779	6	8	50
3372	Office furniture (including fixtures) manufacturing	4 554	165 360	3 121	6 603	97 275	474 810	267 372	737 586	D	5	3	S
3379	Other furniture related product manufacturing	1 917	77 876	1 421	2 601	45 595	170 027	141 223	311 220	D	1	1	S
339	Miscellaneous manufacturing	20 199	737 446	13 507	26 386	386 535	1 997 699	1 213 924	3 137 092	64 014	10	6	17
3391	Medical equipment and supplies manufacturing	8 694	345 454	5 555	11 317	180 489	844 173	438 507	1 259 874	23 715	21	13	22
3399	Other miscellaneous manufacturing	11 505	391 992	7 952	15 069	206 046	1 153 526	775 417	1 877 219	40 298	5	4	24

See footnotes at end of table.

Table 2. Statistics for the United States and States by Industry Group: 2003—Con.

[Includes industry groups with 950 employees or more. Data based on the 2003 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]

NAICS code	Geographic area and industry group	All employees		Production workers			Value added (\$1,000)	Total cost of materials ² (\$1,000)	Total value of shipments ² (\$1,000)	Total capital expenditures (\$1,000)	Relative standard error of estimate (percent) for column ³ —		
		Number ¹	Payroll (\$1,000)	Number ¹	Hours (1,000)	Wages (\$1,000)					A	F	I
		A	B	C	D	E							
	WYOMING												
31-33	Manufacturing	11 075	415 883	8 580	18 874	301 110	1 721 791	3 251 307	4 923 909	45 330	13	4	12
325	Chemical manufacturing	2 194	128 215	1 646	3 485	96 086	947 575	692 871	1 628 226	23 543	1	1	9
3251	Basic chemical manufacturing	1 092	65 955	860	1 808	53 871	521 359	353 435	874 561	13 813	1	1	14
332	Fabricated metal product manufacturing	1 181	39 434	874	1 552	25 708	75 971	83 608	157 251	509	4	8	22
333	Machinery manufacturing	1 905	42 821	1 735	5 333	46 019	73 958	120 948	160 850	5 980	73	81	74
3331	Agriculture, construction, and mining machinery manufacturing	1 741	33 777	1 557	4 808	39 398	A	103 717	71 685	5 265	80	A	84

¹Figures represent average number of production workers for the payroll period that includes the 12th of March, May, August, and November, plus other employees for the payroll period that includes the 12th of March. Industry groups with 950 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 950 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: f-950 to 999 employees; g-1,000 to 2,499 employees; h-2,500 to 4,999 employees; i-5,000 to 9,999 employees; j-10,000 to 24,999 employees; k-25,000 to 49,999 employees; l-50,000 to 99,999 employees; m-100,000 employees or more.

²Aggregate of total cost of materials and total value of shipments includes extensive duplication, since products of some industries are used as materials of others.

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

Note: The data in this table are based on the 2003 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 3. Supplemental Statistics for the United States and States: 2003

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
UNITED STATES		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 405 574 855	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 149 701 668	1
Work-in-process	\$1,000 .. 115 272 679	1
Materials and supplies	\$1,000 .. 140 600 706	1
End of 2003, total	\$1,000 .. 407 181 366	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 151 182 511	1
Work-in-process	\$1,000 .. 115 764 217	1
Materials and supplies	\$1,000 .. 140 234 835	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 113 184 924	1
Building and other structures	\$1,000 .. 15 869 166	1
Machinery and equipment	\$1,000 .. 97 315 758	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 2 971 092	3
Computers and peripheral data processing equipment	\$1,000 .. 7 994 630	2
All other expenditures	\$1,000 .. 86 350 036	1
Total fringe benefits	\$1,000 .. 153 540 173	1
Cost of purchased fuels	\$1,000 .. 37 039 563	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 817 714 309	1
Cost	\$1,000 .. 40 313 280	1
Generated less sold	1,000 kWh .. 94 136 563	X
ALABAMA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 6 640 430	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 628 296	1
Work-in-process	\$1,000 .. 1 464 782	1
Materials and supplies	\$1,000 .. 2 547 372	2
End of 2003, total	\$1,000 .. 6 434 806	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 549 568	1
Work-in-process	\$1,000 .. 1 368 822	2
Materials and supplies	\$1,000 .. 2 516 416	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 723 989	2
Building and other structures	\$1,000 .. 356 594	15
Machinery and equipment	\$1,000 .. 2 367 395	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 48 892	6
Computers and peripheral data processing equipment	\$1,000 .. 100 560	3
All other expenditures	\$1,000 .. 2 217 944	1
Total fringe benefits	\$1,000 .. 2 584 859	1
Cost of purchased fuels	\$1,000 .. 962 276	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 24 941 638	1
Cost	\$1,000 .. 996 820	1
Generated less sold	1,000 kWh .. 3 549 284	X
ALASKA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 312 450	6
Detail by stage of fabrication:		
Finished products	\$1,000 .. 191 168	7
Work-in-process	\$1,000 .. 47 750	13
Materials and supplies	\$1,000 .. 73 532	5
End of 2003, total	\$1,000 .. 340 691	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 218 196	4
Work-in-process	\$1,000 .. 49 575	5
Materials and supplies	\$1,000 .. 72 920	5
Capital expenditures:		
Total (new and used)	\$1,000 .. 73 400	21
Building and other structures	\$1,000 .. 30 894	38
Machinery and equipment	\$1,000 .. 42 506	17
Automobiles, trucks, etc., for highway use	\$1,000 .. 2 196	14
Computers and peripheral data processing equipment	\$1,000 .. 8 984	72
All other expenditures	\$1,000 .. 31 326	11
Total fringe benefits	\$1,000 .. 79 066	4
Cost of purchased fuels	\$1,000 .. 67 042	4
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 408 625	7
Cost	\$1,000 .. 27 800	5
Generated less sold	1,000 kWh .. 210 931	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
ARIZONA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 4 408 132	5
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 188 646	7
Work-in-process	\$1,000 .. 1 778 567	1
Materials and supplies	\$1,000 .. 1 440 919	10
End of 2003, total	\$1,000 .. 4 616 433	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 199 145	2
Work-in-process	\$1,000 .. 2 054 842	1
Materials and supplies	\$1,000 .. 1 362 447	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 912 181	5
Building and other structures	\$1,000 .. 134 773	4
Machinery and equipment	\$1,000 .. 777 408	6
Automobiles, trucks, etc., for highway use	\$1,000 .. 29 983	10
Computers and peripheral data processing equipment	\$1,000 .. 72 516	4
All other expenditures	\$1,000 .. 674 909	6
Total fringe benefits	\$1,000 .. 1 944 741	1
Cost of purchased fuels	\$1,000 .. 126 882	6
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 5 460 280	1
Cost	\$1,000 .. 328 772	2
Generated less sold	1,000 kWh .. 3 718	X
ARKANSAS		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 5 076 398	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 411 579	1
Work-in-process	\$1,000 .. 777 970	1
Materials and supplies	\$1,000 .. 1 886 850	1
End of 2003, total	\$1,000 .. 4 908 922	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 298 095	1
Work-in-process	\$1,000 .. 805 477	1
Materials and supplies	\$1,000 .. 1 805 351	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 117 127	3
Building and other structures	\$1,000 .. 97 875	5
Machinery and equipment	\$1,000 .. 1 019 252	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 36 520	21
Computers and peripheral data processing equipment	\$1,000 .. 44 056	6
All other expenditures	\$1,000 .. 938 675	3
Total fringe benefits	\$1,000 .. 1 711 305	1
Cost of purchased fuels	\$1,000 .. 522 372	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 14 046 973	1
Cost	\$1,000 .. 546 295	1
Generated less sold	1,000 kWh .. 2 163 623	X
CALIFORNIA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 51 937 450	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 16 390 628	2
Work-in-process	\$1,000 .. 19 584 609	1
Materials and supplies	\$1,000 .. 15 962 213	1
End of 2003, total	\$1,000 .. 52 200 248	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 16 443 489	2
Work-in-process	\$1,000 .. 20 681 697	1
Materials and supplies	\$1,000 .. 15 075 063	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 12 303 950	3
Building and other structures	\$1,000 .. 1 961 316	6
Machinery and equipment	\$1,000 .. 10 342 634	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 389 570	14
Computers and peripheral data processing equipment	\$1,000 .. 1 261 223	4
All other expenditures	\$1,000 .. 8 691 841	3
Total fringe benefits	\$1,000 .. 15 292 188	1
Cost of purchased fuels	\$1,000 .. 2 081 321	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 55 079 061	21
Cost	\$1,000 .. 4 132 948	12
Generated less sold	1,000 kWh .. 3 191 263	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
COLORADO		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 3 904 673	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 405 195	5
Work-in-process	\$1,000 .. 960 453	2
Materials and supplies	\$1,000 .. 1 539 025	2
End of 2003, total	\$1,000 .. 3 587 445	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 371 171	5
Work-in-process	\$1,000 .. 896 818	1
Materials and supplies	\$1,000 .. 1 319 455	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 403 036	11
Building and other structures	\$1,000 .. 282 463	17
Machinery and equipment	\$1,000 .. 1 120 573	13
Automobiles, trucks, etc., for highway use	\$1,000 .. 42 428	29
Computers and peripheral data processing equipment	\$1,000 .. 144 990	3
All other expenditures	\$1,000 .. 933 155	15
Total fringe benefits	\$1,000 .. 1 601 387	1
Cost of purchased fuels	\$1,000 .. 159 677	15
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 5 313 909	3
Cost	\$1,000 .. 286 187	3
Generated less sold	1,000 kWh .. -10 754	X
CONNECTICUT		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 5 783 539	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 272 809	1
Work-in-process	\$1,000 .. 1 685 162	3
Materials and supplies	\$1,000 .. 1 825 567	2
End of 2003, total	\$1,000 .. 5 622 699	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 179 302	1
Work-in-process	\$1,000 .. 1 611 947	4
Materials and supplies	\$1,000 .. 1 831 450	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 242 709	4
Building and other structures	\$1,000 .. 151 286	3
Machinery and equipment	\$1,000 .. 1 091 423	5
Automobiles, trucks, etc., for highway use	\$1,000 .. 59 900	33
Computers and peripheral data processing equipment	\$1,000 .. 161 338	16
All other expenditures	\$1,000 .. 870 185	3
Total fringe benefits	\$1,000 .. 2 366 251	1
Cost of purchased fuels	\$1,000 .. 201 833	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 5 380 885	1
Cost	\$1,000 .. 407 343	1
Generated less sold	1,000 kWh .. 309 855	X
DELAWARE		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 1 682 117	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 813 867	1
Work-in-process	\$1,000 .. 548 352	3
Materials and supplies	\$1,000 .. 319 898	7
End of 2003, total	\$1,000 .. 1 537 268	4
Detail by stage of fabrication:		
Finished products	\$1,000 .. 776 189	5
Work-in-process	\$1,000 .. 386 206	4
Materials and supplies	\$1,000 .. 374 873	6
Capital expenditures:		
Total (new and used)	\$1,000 .. 394 499	2
Building and other structures	\$1,000 .. 59 378	5
Machinery and equipment	\$1,000 .. 335 122	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 6 364	18
Computers and peripheral data processing equipment	\$1,000 .. 26 801	3
All other expenditures	\$1,000 .. 301 957	1
Total fringe benefits	\$1,000 .. 520 720	1
Cost of purchased fuels	\$1,000 .. 102 929	5
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 3 125 634	4
Cost	\$1,000 .. 137 453	3
Generated less sold	1,000 kWh .. 521 900	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
DISTRICT OF COLUMBIA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 12 131	5
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 673	5
Work-in-process	\$1,000 .. 2 469	15
Materials and supplies	\$1,000 .. 5 989	3
End of 2003, total	\$1,000 .. 12 577	10
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 277	3
Work-in-process	\$1,000 .. 2 545	14
Materials and supplies	\$1,000 .. 5 755	15
Capital expenditures:		
Total (new and used)	\$1,000 .. 12 573	32
Building and other structures	\$1,000 .. 3 541	12
Machinery and equipment	\$1,000 .. 9 032	41
Automobiles, trucks, etc., for highway use	\$1,000 .. 336	37
Computers and peripheral data processing equipment	\$1,000 .. 407	34
All other expenditures	\$1,000 .. 8 289	44
Total fringe benefits	\$1,000 .. 17 916	11
Cost of purchased fuels	\$1,000 .. 864	40
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 18 496	15
Cost	\$1,000 .. 1 361	14
Generated less sold	1,000 kWh .. -1 134	X
FLORIDA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 9 087 103	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 493 992	1
Work-in-process	\$1,000 .. 2 133 916	4
Materials and supplies	\$1,000 .. 3 459 195	2
End of 2003, total	\$1,000 .. 9 347 687	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 586 207	1
Work-in-process	\$1,000 .. 2 369 985	1
Materials and supplies	\$1,000 .. 3 391 496	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 447 821	2
Building and other structures	\$1,000 .. 451 248	3
Machinery and equipment	\$1,000 .. 1 996 573	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 81 496	7
Computers and peripheral data processing equipment	\$1,000 .. 154 688	3
All other expenditures	\$1,000 .. 1 760 388	2
Total fringe benefits	\$1,000 .. 3 449 478	1
Cost of purchased fuels	\$1,000 .. 609 209	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 11 511 681	1
Cost	\$1,000 .. 676 526	1
Generated less sold	1,000 kWh .. 4 136 891	X
GEORGIA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 12 090 578	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 289 315	1
Work-in-process	\$1,000 .. 3 201 497	1
Materials and supplies	\$1,000 .. 4 599 766	1
End of 2003, total	\$1,000 .. 11 805 192	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 161 321	1
Work-in-process	\$1,000 .. 3 173 097	1
Materials and supplies	\$1,000 .. 4 470 774	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 3 007 133	2
Building and other structures	\$1,000 .. 370 237	6
Machinery and equipment	\$1,000 .. 2 636 896	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 66 924	8
Computers and peripheral data processing equipment	\$1,000 .. 158 378	4
All other expenditures	\$1,000 .. 2 411 595	2
Total fringe benefits	\$1,000 .. 4 029 533	1
Cost of purchased fuels	\$1,000 .. 1 075 109	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 27 556 691	1
Cost	\$1,000 .. 1 188 697	1
Generated less sold	1,000 kWh .. 4 736 065	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
HAWAII		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 364 506	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 238 422	2
Work-in-process	\$1,000 .. 23 242	21
Materials and supplies	\$1,000 .. 102 842	3
End of 2003, total	\$1,000 .. 347 678	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 217 669	2
Work-in-process	\$1,000 .. 24 040	15
Materials and supplies	\$1,000 .. 105 969	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 91 327	13
Building and other structures	\$1,000 .. 18 996	13
Machinery and equipment	\$1,000 .. 72 330	14
Automobiles, trucks, etc., for highway use	\$1,000 .. 6 317	12
Computers and peripheral data processing equipment	\$1,000 .. 10 992	63
All other expenditures	\$1,000 .. 55 021	11
Total fringe benefits	\$1,000 .. 103 225	3
Cost of purchased fuels	\$1,000 .. 39 116	3
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 229 892	6
Cost	\$1,000 .. 24 610	5
Generated less sold	1,000 kWh .. 364 149	X
IDAHO		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 1 869 581	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 753 094	4
Work-in-process	\$1,000 .. 455 045	2
Materials and supplies	\$1,000 .. 661 443	3
End of 2003, total	\$1,000 .. 1 712 131	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 642 446	6
Work-in-process	\$1,000 .. 414 514	1
Materials and supplies	\$1,000 .. 655 171	4
Capital expenditures:		
Total (new and used)	\$1,000 .. 626 127	3
Building and other structures	\$1,000 .. 51 040	7
Machinery and equipment	\$1,000 .. 575 086	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 12 971	11
Computers and peripheral data processing equipment	\$1,000 .. 56 641	3
All other expenditures	\$1,000 .. 505 474	3
Total fringe benefits	\$1,000 .. 505 426	3
Cost of purchased fuels	\$1,000 .. 161 699	3
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 5 178 584	7
Cost	\$1,000 .. 212 733	8
Generated less sold	1,000 kWh .. 617 955	X
ILLINOIS		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 18 906 172	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 8 132 807	1
Work-in-process	\$1,000 .. 4 286 279	1
Materials and supplies	\$1,000 .. 6 487 087	1
End of 2003, total	\$1,000 .. 19 112 726	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 8 397 345	1
Work-in-process	\$1,000 .. 4 179 711	1
Materials and supplies	\$1,000 .. 6 535 671	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 5 482 209	2
Building and other structures	\$1,000 .. 933 457	4
Machinery and equipment	\$1,000 .. 4 548 752	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 167 213	6
Computers and peripheral data processing equipment	\$1,000 .. 472 324	2
All other expenditures	\$1,000 .. 3 909 215	2
Total fringe benefits	\$1,000 .. 8 004 695	1
Cost of purchased fuels	\$1,000 .. 1 417 483	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 32 041 431	1
Cost	\$1,000 .. 1 699 679	1
Generated less sold	1,000 kWh .. 1 998 810	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
INDIANA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 14 175 738	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 5 225 656	1
Work-in-process	\$1,000 .. 3 328 830	1
Materials and supplies	\$1,000 .. 5 621 449	1
End of 2003, total	\$1,000 .. 14 358 287	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 5 211 569	1
Work-in-process	\$1,000 .. 3 382 592	1
Materials and supplies	\$1,000 .. 5 764 323	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 4 745 752	2
Building and other structures	\$1,000 .. 727 189	3
Machinery and equipment	\$1,000 .. 4 018 563	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 92 072	5
Computers and peripheral data processing equipment	\$1,000 .. 204 250	4
All other expenditures	\$1,000 .. 3 722 241	2
Total fringe benefits	\$1,000 .. 6 771 077	1
Cost of purchased fuels	\$1,000 .. 1 369 925	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 40 058 122	1
Cost	\$1,000 .. 1 600 269	1
Generated less sold	1,000 kWh .. 2 311 710	X
IOWA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 5 174 093	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 147 696	2
Work-in-process	\$1,000 .. 1 084 223	2
Materials and supplies	\$1,000 .. 1 942 184	6
End of 2003, total	\$1,000 .. 5 334 912	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 181 666	1
Work-in-process	\$1,000 .. 1 129 989	2
Materials and supplies	\$1,000 .. 2 023 256	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 544 732	2
Building and other structures	\$1,000 .. 223 328	5
Machinery and equipment	\$1,000 .. 1 321 404	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 29 244	7
Computers and peripheral data processing equipment	\$1,000 .. 80 953	3
All other expenditures	\$1,000 .. 1 211 208	2
Total fringe benefits	\$1,000 .. 2 594 355	1
Cost of purchased fuels	\$1,000 .. 677 908	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 12 800 774	1
Cost	\$1,000 .. 537 992	2
Generated less sold	1,000 kWh .. 1 086 952	X
KANSAS		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 7 570 964	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 992 175	1
Work-in-process	\$1,000 .. 3 400 282	1
Materials and supplies	\$1,000 .. 2 178 507	2
End of 2003, total	\$1,000 .. 7 154 680	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 971 849	1
Work-in-process	\$1,000 .. 3 168 475	1
Materials and supplies	\$1,000 .. 2 014 356	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 287 451	9
Building and other structures	\$1,000 .. 373 717	31
Machinery and equipment	\$1,000 .. 913 734	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 29 292	10
Computers and peripheral data processing equipment	\$1,000 .. 81 822	8
All other expenditures	\$1,000 .. 802 621	2
Total fringe benefits	\$1,000 .. 2 056 847	1
Cost of purchased fuels	\$1,000 .. 410 392	10
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 8 870 720	1
Cost	\$1,000 .. 402 482	1
Generated less sold	1,000 kWh .. 279 050	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
KENTUCKY		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 7 297 766	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 2 972 107	1
Work-in-process	\$1,000.. 1 591 370	1
Materials and supplies	\$1,000.. 2 734 290	1
End of 2003, total	\$1,000.. 7 472 432	2
Detail by stage of fabrication:		
Finished products	\$1,000.. 2 913 815	5
Work-in-process	\$1,000.. 1 723 688	1
Materials and supplies	\$1,000.. 2 834 929	1
Capital expenditures:		
Total (new and used)	\$1,000.. 2 598 770	8
Building and other structures	\$1,000.. 222 488	10
Machinery and equipment	\$1,000.. 2 376 281	8
Automobiles, trucks, etc., for highway use	\$1,000.. 105 656	41
Computers and peripheral data processing equipment	\$1,000.. 232 283	45
All other expenditures	\$1,000.. 2 038 342	3
Total fringe benefits	\$1,000.. 3 081 030	1
Cost of purchased fuels	\$1,000.. 683 948	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 33 616 390	1
Cost	\$1,000.. 1 261 378	1
Generated less sold	1,000 kWh.. 244 162	X
LOUISIANA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 6 239 089	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 2 960 080	1
Work-in-process	\$1,000.. 1 339 612	1
Materials and supplies	\$1,000.. 1 939 397	1
End of 2003, total	\$1,000.. 6 949 025	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 3 541 962	1
Work-in-process	\$1,000.. 1 261 830	1
Materials and supplies	\$1,000.. 2 145 233	1
Capital expenditures:		
Total (new and used)	\$1,000.. 2 655 641	1
Building and other structures	\$1,000.. 141 600	4
Machinery and equipment	\$1,000.. 2 514 041	1
Automobiles, trucks, etc., for highway use	\$1,000.. 28 472	7
Computers and peripheral data processing equipment	\$1,000.. 71 622	7
All other expenditures	\$1,000.. 2 413 947	1
Total fringe benefits	\$1,000.. 1 842 814	1
Cost of purchased fuels	\$1,000.. 3 545 909	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 29 094 732	1
Cost	\$1,000.. 1 509 736	1
Generated less sold	1,000 kWh.. 17 561 170	X
MAINE		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 1 655 956	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 636 572	1
Work-in-process	\$1,000.. 464 453	2
Materials and supplies	\$1,000.. 554 931	1
End of 2003, total	\$1,000.. 1 755 813	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 677 416	1
Work-in-process	\$1,000.. 522 739	1
Materials and supplies	\$1,000.. 555 657	1
Capital expenditures:		
Total (new and used)	\$1,000.. 496 357	3
Building and other structures	\$1,000.. 38 635	6
Machinery and equipment	\$1,000.. 457 723	3
Automobiles, trucks, etc., for highway use	\$1,000.. 14 383	16
Computers and peripheral data processing equipment	\$1,000.. 23 615	6
All other expenditures	\$1,000.. 419 725	3
Total fringe benefits	\$1,000.. 739 282	2
Cost of purchased fuels	\$1,000.. 181 822	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 4 275 183	1
Cost	\$1,000.. 309 907	1
Generated less sold	1,000 kWh.. 1 396 709	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
MARYLAND		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 4 101 330	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 466 209	2
Work-in-process	\$1,000 .. 1 370 346	2
Materials and supplies	\$1,000 .. 1 264 776	4
End of 2003, total	\$1,000 .. 3 900 828	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 442 375	1
Work-in-process	\$1,000 .. 1 111 438	2
Materials and supplies	\$1,000 .. 1 347 014	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 227 588	15
Building and other structures	\$1,000 .. 154 451	24
Machinery and equipment	\$1,000 .. 1 073 138	13
Automobiles, trucks, etc., for highway use	\$1,000 .. 43 679	15
Computers and peripheral data processing equipment	\$1,000 .. 122 865	26
All other expenditures	\$1,000 .. 906 594	12
Total fringe benefits	\$1,000 .. 1 739 634	2
Cost of purchased fuels	\$1,000 .. 516 406	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 9 350 078	1
Cost	\$1,000 .. 456 167	1
Generated less sold	1,000 kWh .. 880 292	X
MASSACHUSETTS		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 8 495 329	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 813 284	1
Work-in-process	\$1,000 .. 2 450 159	1
Materials and supplies	\$1,000 .. 3 231 886	1
End of 2003, total	\$1,000 .. 8 809 716	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 902 656	2
Work-in-process	\$1,000 .. 2 549 068	1
Materials and supplies	\$1,000 .. 3 357 992	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 970 676	2
Building and other structures	\$1,000 .. 387 073	5
Machinery and equipment	\$1,000 .. 1 583 603	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 43 321	6
Computers and peripheral data processing equipment	\$1,000 .. 194 639	4
All other expenditures	\$1,000 .. 1 345 643	2
Total fringe benefits	\$1,000 .. 3 631 319	1
Cost of purchased fuels	\$1,000 .. 374 893	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 8 260 994	1
Cost	\$1,000 .. 702 208	1
Generated less sold	1,000 kWh .. 290 824	X
MICHIGAN		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 14 169 900	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 319 732	2
Work-in-process	\$1,000 .. 4 205 404	1
Materials and supplies	\$1,000 .. 5 644 764	1
End of 2003, total	\$1,000 .. 14 289 839	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 291 607	1
Work-in-process	\$1,000 .. 4 613 598	1
Materials and supplies	\$1,000 .. 5 384 634	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 5 205 435	3
Building and other structures	\$1,000 .. 435 766	7
Machinery and equipment	\$1,000 .. 4 769 669	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 174 338	6
Computers and peripheral data processing equipment	\$1,000 .. 436 789	3
All other expenditures	\$1,000 .. 4 158 542	3
Total fringe benefits	\$1,000 .. 10 171 125	1
Cost of purchased fuels	\$1,000 .. 1 201 345	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 31 255 974	1
Cost	\$1,000 .. 1 603 042	1
Generated less sold	1,000 kWh .. 1 995 004	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
MINNESOTA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 7 926 413	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 056 275	2
Work-in-process	\$1,000 .. 1 609 522	1
Materials and supplies	\$1,000 .. 3 260 616	1
End of 2003, total	\$1,000 .. 7 844 323	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 022 083	2
Work-in-process	\$1,000 .. 1 586 805	1
Materials and supplies	\$1,000 .. 3 235 435	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 612 438	2
Building and other structures	\$1,000 .. 398 157	2
Machinery and equipment	\$1,000 .. 2 214 281	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 56 154	7
Computers and peripheral data processing equipment	\$1,000 .. 212 576	4
All other expenditures	\$1,000 .. 1 945 551	2
Total fringe benefits	\$1,000 .. 3 308 527	1
Cost of purchased fuels	\$1,000 .. 689 296	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 13 495 907	3
Cost	\$1,000 .. 633 031	2
Generated less sold	1,000 kWh .. 419 569	X
MISSISSIPPI		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 3 499 013	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 413 968	1
Work-in-process	\$1,000 .. 815 530	2
Materials and supplies	\$1,000 .. 1 269 515	2
End of 2003, total	\$1,000 .. 3 640 029	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 432 245	1
Work-in-process	\$1,000 .. 855 682	2
Materials and supplies	\$1,000 .. 1 352 102	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 832 506	1
Building and other structures	\$1,000 .. 282 177	2
Machinery and equipment	\$1,000 .. 1 550 329	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 33 810	7
Computers and peripheral data processing equipment	\$1,000 .. 58 952	2
All other expenditures	\$1,000 .. 1 457 567	1
Total fringe benefits	\$1,000 .. 1 420 137	1
Cost of purchased fuels	\$1,000 .. 553 542	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 11 961 070	1
Cost	\$1,000 .. 510 818	1
Generated less sold	1,000 kWh .. 2 807 066	X
MISSOURI		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 9 560 503	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 582 886	1
Work-in-process	\$1,000 .. 4 492 778	1
Materials and supplies	\$1,000 .. 2 484 839	1
End of 2003, total	\$1,000 .. 9 851 265	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 611 272	1
Work-in-process	\$1,000 .. 4 679 319	1
Materials and supplies	\$1,000 .. 2 560 675	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 060 325	2
Building and other structures	\$1,000 .. 439 311	5
Machinery and equipment	\$1,000 .. 1 621 015	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 47 531	7
Computers and peripheral data processing equipment	\$1,000 .. 175 677	4
All other expenditures	\$1,000 .. 1 397 807	2
Total fringe benefits	\$1,000 .. 3 195 634	1
Cost of purchased fuels	\$1,000 .. 459 684	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 15 726 743	1
Cost	\$1,000 .. 678 742	1
Generated less sold	1,000 kWh .. -27 949	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
MONTANA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 558 457	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 218 081	4
Work-in-process	\$1,000 .. 106 231	5
Materials and supplies	\$1,000 .. 234 145	4
End of 2003, total	\$1,000 .. 600 604	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 230 497	4
Work-in-process	\$1,000 .. 107 438	4
Materials and supplies	\$1,000 .. 262 668	3
Capital expenditures:		
Total (new and used)	\$1,000 .. 256 367	4
Building and other structures	\$1,000 .. 10 732	38
Machinery and equipment	\$1,000 .. 245 636	4
Automobiles, trucks, etc., for highway use	\$1,000 .. 2 871	33
Computers and peripheral data processing equipment	\$1,000 .. 6 314	16
All other expenditures	\$1,000 .. 236 451	4
Total fringe benefits	\$1,000 .. 161 699	4
Cost of purchased fuels	\$1,000 .. 84 130	10
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 3 376 503	2
Cost	\$1,000 .. 136 615	3
Generated less sold	1,000 kWh .. 1 523	X
NEBRASKA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 2 221 322	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 041 189	2
Work-in-process	\$1,000 .. 367 625	2
Materials and supplies	\$1,000 .. 812 507	2
End of 2003, total	\$1,000 .. 2 200 366	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 030 774	2
Work-in-process	\$1,000 .. 394 234	2
Materials and supplies	\$1,000 .. 775 358	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 090 274	2
Building and other structures	\$1,000 .. 188 002	1
Machinery and equipment	\$1,000 .. 902 272	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 28 264	8
Computers and peripheral data processing equipment	\$1,000 .. 52 063	4
All other expenditures	\$1,000 .. 821 945	2
Total fringe benefits	\$1,000 .. 891 511	1
Cost of purchased fuels	\$1,000 .. 231 397	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 5 273 856	1
Cost	\$1,000 .. 199 396	1
Generated less sold	1,000 kWh .. -4 750	X
NEVADA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 988 503	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 384 338	2
Work-in-process	\$1,000 .. 236 280	7
Materials and supplies	\$1,000 .. 367 885	5
End of 2003, total	\$1,000 .. 1 267 959	18
Detail by stage of fabrication:		
Finished products	\$1,000 .. 407 230	4
Work-in-process	\$1,000 .. 275 040	35
Materials and supplies	\$1,000 .. 585 689	23
Capital expenditures:		
Total (new and used)	\$1,000 .. 301 309	8
Building and other structures	\$1,000 .. 47 319	25
Machinery and equipment	\$1,000 .. 253 990	6
Automobiles, trucks, etc., for highway use	\$1,000 .. 16 152	17
Computers and peripheral data processing equipment	\$1,000 .. 19 691	13
All other expenditures	\$1,000 .. 218 148	6
Total fringe benefits	\$1,000 .. 419 710	12
Cost of purchased fuels	\$1,000 .. 67 013	7
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 2 072 367	4
Cost	\$1,000 .. 119 086	5
Generated less sold	1,000 kWh .. 862	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
NEW HAMPSHIRE		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 2 097 003	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 646 119	2
Work-in-process	\$1,000 .. 682 762	3
Materials and supplies	\$1,000 .. 768 122	3
End of 2003, total	\$1,000 .. 2 185 348	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 673 610	2
Work-in-process	\$1,000 .. 721 894	2
Materials and supplies	\$1,000 .. 789 843	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 455 909	4
Building and other structures	\$1,000 .. 65 705	8
Machinery and equipment	\$1,000 .. 390 204	4
Automobiles, trucks, etc., for highway use	\$1,000 .. 14 154	19
Computers and peripheral data processing equipment	\$1,000 .. 40 310	6
All other expenditures	\$1,000 .. 335 740	5
Total fringe benefits	\$1,000 .. 861 415	1
Cost of purchased fuels	\$1,000 .. 98 675	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 1 909 558	2
Cost	\$1,000 .. 175 931	2
Generated less sold	1,000 kWh .. 216 049	X
NEW JERSEY		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 10 307 976	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 477 993	2
Work-in-process	\$1,000 .. 2 046 757	3
Materials and supplies	\$1,000 .. 3 783 225	6
End of 2003, total	\$1,000 .. 11 092 378	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 844 585	2
Work-in-process	\$1,000 .. 2 090 308	3
Materials and supplies	\$1,000 .. 4 157 486	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 755 748	3
Building and other structures	\$1,000 .. 508 228	5
Machinery and equipment	\$1,000 .. 2 247 519	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 65 642	7
Computers and peripheral data processing equipment	\$1,000 .. 230 273	5
All other expenditures	\$1,000 .. 1 951 604	3
Total fringe benefits	\$1,000 .. 3 735 927	2
Cost of purchased fuels	\$1,000 .. 658 872	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 11 458 389	2
Cost	\$1,000 .. 914 834	2
Generated less sold	1,000 kWh .. 1 186 599	X
NEW MEXICO		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 895 900	10
Detail by stage of fabrication:		
Finished products	\$1,000 .. 269 865	4
Work-in-process	\$1,000 .. 400 997	1
Materials and supplies	\$1,000 .. 225 039	42
End of 2003, total	\$1,000 .. 980 850	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 274 307	2
Work-in-process	\$1,000 .. 465 079	3
Materials and supplies	\$1,000 .. 241 464	5
Capital expenditures:		
Total (new and used)	\$1,000 .. 528 813	48
Building and other structures	\$1,000 .. 60 466	56
Machinery and equipment	\$1,000 .. 468 347	53
Automobiles, trucks, etc., for highway use	\$1,000 .. 5 195	17
Computers and peripheral data processing equipment	\$1,000 .. 11 619	9
All other expenditures	\$1,000 .. 451 534	55
Total fringe benefits	\$1,000 .. 303 994	4
Cost of purchased fuels	\$1,000 .. 70 789	9
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 1 672 224	1
Cost	\$1,000 .. 89 177	2
Generated less sold	1,000 kWh .. 11 564	X

See footnotes at end of table.

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[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
NEW YORK		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 16 835 151	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 6 281 726	1
Work-in-process	\$1,000.. 4 647 596	2
Materials and supplies	\$1,000.. 5 905 829	2
End of 2003, total	\$1,000.. 16 685 372	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 6 412 451	1
Work-in-process	\$1,000.. 4 476 862	1
Materials and supplies	\$1,000.. 5 796 059	1
Capital expenditures:		
Total (new and used)	\$1,000.. 4 995 786	2
Building and other structures	\$1,000.. 542 438	4
Machinery and equipment	\$1,000.. 4 453 348	2
Automobiles, trucks, etc., for highway use	\$1,000.. 92 365	6
Computers and peripheral data processing equipment	\$1,000.. 339 156	2
All other expenditures	\$1,000.. 4 021 827	2
Total fringe benefits	\$1,000.. 6 183 903	1
Cost of purchased fuels	\$1,000.. 893 507	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 21 994 439	1
Cost	\$1,000.. 1 359 898	1
Generated less sold	1,000 kWh.. 1 641 681	X
NORTH CAROLINA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 15 485 550	4
Detail by stage of fabrication:		
Finished products	\$1,000.. 5 662 329	1
Work-in-process	\$1,000.. 3 126 470	2
Materials and supplies	\$1,000.. 6 696 750	8
End of 2003, total	\$1,000.. 15 520 966	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 5 839 955	1
Work-in-process	\$1,000.. 3 153 050	5
Materials and supplies	\$1,000.. 6 527 960	1
Capital expenditures:		
Total (new and used)	\$1,000.. 4 048 854	5
Building and other structures	\$1,000.. 514 141	5
Machinery and equipment	\$1,000.. 3 534 713	5
Automobiles, trucks, etc., for highway use	\$1,000.. 97 406	11
Computers and peripheral data processing equipment	\$1,000.. 211 226	7
All other expenditures	\$1,000.. 3 226 082	5
Total fringe benefits	\$1,000.. 5 581 725	1
Cost of purchased fuels	\$1,000.. 860 437	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 30 255 930	1
Cost	\$1,000.. 1 510 236	1
Generated less sold	1,000 kWh.. 2 101 064	X
NORTH DAKOTA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 538 150	5
Detail by stage of fabrication:		
Finished products	\$1,000.. 227 549	15
Work-in-process	\$1,000.. 73 377	5
Materials and supplies	\$1,000.. 237 224	8
End of 2003, total	\$1,000.. 567 544	6
Detail by stage of fabrication:		
Finished products	\$1,000.. 226 543	13
Work-in-process	\$1,000.. 67 177	9
Materials and supplies	\$1,000.. 273 824	5
Capital expenditures:		
Total (new and used)	\$1,000.. 252 563	7
Building and other structures	\$1,000.. 73 074	3
Machinery and equipment	\$1,000.. 179 490	9
Automobiles, trucks, etc., for highway use	\$1,000.. 7 581	26
Computers and peripheral data processing equipment	\$1,000.. 11 552	22
All other expenditures	\$1,000.. 160 357	9
Total fringe benefits	\$1,000.. 193 984	3
Cost of purchased fuels	\$1,000.. 68 082	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 1 276 899	1
Cost	\$1,000.. 52 509	1
Generated less sold	1,000 kWh.. 195 119	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
OHIO		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 21 075 688	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 8 273 800	1
Work-in-process	\$1,000.. 4 983 521	1
Materials and supplies	\$1,000.. 7 818 368	2
End of 2003, total	\$1,000.. 21 143 587	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 8 303 963	1
Work-in-process	\$1,000.. 4 828 469	1
Materials and supplies	\$1,000.. 8 011 155	1
Capital expenditures:		
Total (new and used)	\$1,000.. 5 735 835	2
Building and other structures	\$1,000.. 558 622	7
Machinery and equipment	\$1,000.. 5 177 214	1
Automobiles, trucks, etc., for highway use	\$1,000.. 159 324	7
Computers and peripheral data processing equipment	\$1,000.. 380 270	3
All other expenditures	\$1,000.. 4 637 620	2
Total fringe benefits	\$1,000.. 10 085 227	1
Cost of purchased fuels	\$1,000.. 1 861 769	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 53 022 072	2
Cost	\$1,000.. 2 436 052	2
Generated less sold	1,000 kWh.. 872 571	X
OKLAHOMA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 3 979 526	30
Detail by stage of fabrication:		
Finished products	\$1,000.. 1 674 625	14
Work-in-process	\$1,000.. 803 517	11
Materials and supplies	\$1,000.. 1 501 384	59
End of 2003, total	\$1,000.. 4 109 825	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 1 790 849	2
Work-in-process	\$1,000.. 810 132	2
Materials and supplies	\$1,000.. 1 508 843	1
Capital expenditures:		
Total (new and used)	\$1,000.. 1 498 228	4
Building and other structures	\$1,000.. 325 282	14
Machinery and equipment	\$1,000.. 1 172 946	3
Automobiles, trucks, etc., for highway use	\$1,000.. 29 204	13
Computers and peripheral data processing equipment	\$1,000.. 62 848	12
All other expenditures	\$1,000.. 1 080 893	3
Total fringe benefits	\$1,000.. 1 503 479	1
Cost of purchased fuels	\$1,000.. 439 897	3
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 9 684 938	2
Cost	\$1,000.. 410 608	2
Generated less sold	1,000 kWh.. 1 045 320	X
OREGON		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 4 729 566	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 1 708 511	2
Work-in-process	\$1,000.. 1 282 768	2
Materials and supplies	\$1,000.. 1 738 287	2
End of 2003, total	\$1,000.. 4 546 481	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 1 690 827	1
Work-in-process	\$1,000.. 1 217 406	1
Materials and supplies	\$1,000.. 1 638 249	2
Capital expenditures:		
Total (new and used)	\$1,000.. 1 279 176	6
Building and other structures	\$1,000.. 171 245	21
Machinery and equipment	\$1,000.. 1 107 931	4
Automobiles, trucks, etc., for highway use	\$1,000.. 34 189	15
Computers and peripheral data processing equipment	\$1,000.. 75 574	4
All other expenditures	\$1,000.. 998 168	5
Total fringe benefits	\$1,000.. 1 814 859	1
Cost of purchased fuels	\$1,000.. 414 458	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 12 459 864	1
Cost	\$1,000.. 562 542	2
Generated less sold	1,000 kWh.. 982 616	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
PENNSYLVANIA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 19 718 263	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 7 447 487	1
Work-in-process	\$1,000.. 5 619 862	2
Materials and supplies	\$1,000.. 6 650 915	1
End of 2003, total	\$1,000.. 19 367 885	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 7 328 503	1
Work-in-process	\$1,000.. 5 475 174	1
Materials and supplies	\$1,000.. 6 564 207	1
Capital expenditures:		
Total (new and used)	\$1,000.. 4 893 444	2
Building and other structures	\$1,000.. 811 723	4
Machinery and equipment	\$1,000.. 4 081 721	2
Automobiles, trucks, etc., for highway use	\$1,000.. 182 616	29
Computers and peripheral data processing equipment	\$1,000.. 365 216	5
All other expenditures	\$1,000.. 3 533 889	2
Total fringe benefits	\$1,000.. 7 346 459	1
Cost of purchased fuels	\$1,000.. 1 724 338	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 34 749 286	1
Cost	\$1,000.. 1 889 328	1
Generated less sold	1,000 kWh.. 2 554 578	X
RHODE ISLAND		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 1 484 517	2
Detail by stage of fabrication:		
Finished products	\$1,000.. 630 257	2
Work-in-process	\$1,000.. 307 884	3
Materials and supplies	\$1,000.. 546 376	2
End of 2003, total	\$1,000.. 1 569 514	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 686 063	2
Work-in-process	\$1,000.. 318 969	2
Materials and supplies	\$1,000.. 564 482	2
Capital expenditures:		
Total (new and used)	\$1,000.. 300 070	9
Building and other structures	\$1,000.. 50 368	34
Machinery and equipment	\$1,000.. 249 702	7
Automobiles, trucks, etc., for highway use	\$1,000.. 11 049	13
Computers and peripheral data processing equipment	\$1,000.. 33 151	7
All other expenditures	\$1,000.. 205 502	8
Total fringe benefits	\$1,000.. 526 757	1
Cost of purchased fuels	\$1,000.. 50 391	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 1 259 424	3
Cost	\$1,000.. 103 923	3
Generated less sold	1,000 kWh.. —	X
SOUTH CAROLINA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 8 199 306	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 3 104 557	3
Work-in-process	\$1,000.. 2 066 953	1
Materials and supplies	\$1,000.. 3 027 797	3
End of 2003, total	\$1,000.. 8 275 633	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 3 170 237	1
Work-in-process	\$1,000.. 2 050 699	1
Materials and supplies	\$1,000.. 3 054 697	1
Capital expenditures:		
Total (new and used)	\$1,000.. 2 668 200	2
Building and other structures	\$1,000.. 244 968	7
Machinery and equipment	\$1,000.. 2 423 232	2
Automobiles, trucks, etc., for highway use	\$1,000.. 36 173	6
Computers and peripheral data processing equipment	\$1,000.. 108 283	2
All other expenditures	\$1,000.. 2 278 776	2
Total fringe benefits	\$1,000.. 3 043 990	1
Cost of purchased fuels	\$1,000.. 708 658	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 30 357 642	1
Cost	\$1,000.. 1 130 832	1
Generated less sold	1,000 kWh.. 1 694 785	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
SOUTH DAKOTA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 833 140	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 293 709	4
Work-in-process	\$1,000 .. 186 067	1
Materials and supplies	\$1,000 .. 353 364	3
End of 2003, total	\$1,000 .. 840 276	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 309 154	6
Work-in-process	\$1,000 .. 172 124	1
Materials and supplies	\$1,000 .. 358 998	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 156 923	6
Building and other structures	\$1,000 .. 16 191	8
Machinery and equipment	\$1,000 .. 140 732	6
Automobiles, trucks, etc., for highway use	\$1,000 .. 5 775	14
Computers and peripheral data processing equipment	\$1,000 .. 9 121	13
All other expenditures	\$1,000 .. 125 836	6
Total fringe benefits	\$1,000 .. 287 100	2
Cost of purchased fuels	\$1,000 .. 56 057	6
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 1 078 814	4
Cost	\$1,000 .. 54 017	3
Generated less sold	1,000 kWh .. 1 300	X
TENNESSEE		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 10 178 500	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 5 202 456	1
Work-in-process	\$1,000 .. 1 542 673	1
Materials and supplies	\$1,000 .. 3 433 370	1
End of 2003, total	\$1,000 .. 10 037 634	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 927 100	1
Work-in-process	\$1,000 .. 1 548 293	1
Materials and supplies	\$1,000 .. 3 562 241	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 3 601 340	1
Building and other structures	\$1,000 .. 388 855	4
Machinery and equipment	\$1,000 .. 3 212 485	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 78 523	7
Computers and peripheral data processing equipment	\$1,000 .. 116 820	4
All other expenditures	\$1,000 .. 3 017 142	1
Total fringe benefits	\$1,000 .. 4 317 357	1
Cost of purchased fuels	\$1,000 .. 767 769	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 27 547 748	1
Cost	\$1,000 .. 1 133 398	1
Generated less sold	1,000 kWh .. 920 128	X
TEXAS		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 29 431 450	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 12 349 055	1
Work-in-process	\$1,000 .. 7 364 613	1
Materials and supplies	\$1,000 .. 9 717 782	1
End of 2003, total	\$1,000 .. 29 817 743	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 12 607 177	1
Work-in-process	\$1,000 .. 7 184 495	1
Materials and supplies	\$1,000 .. 10 026 070	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 9 609 172	2
Building and other structures	\$1,000 .. 1 412 843	2
Machinery and equipment	\$1,000 .. 8 196 328	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 218 618	4
Computers and peripheral data processing equipment	\$1,000 .. 798 085	1
All other expenditures	\$1,000 .. 7 179 625	2
Total fringe benefits	\$1,000 .. 8 703 859	1
Cost of purchased fuels	\$1,000 .. 6 914 102	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 74 311 708	1
Cost	\$1,000 .. 3 554 512	1
Generated less sold	1,000 kWh .. 25 425 870	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
UTAH		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 2 564 242	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 045 589	2
Work-in-process	\$1,000 .. 653 509	1
Materials and supplies	\$1,000 .. 865 144	4
End of 2003, total	\$1,000 .. 2 577 941	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 087 274	2
Work-in-process	\$1,000 .. 599 638	2
Materials and supplies	\$1,000 .. 891 029	3
Capital expenditures:		
Total (new and used)	\$1,000 .. 674 855	6
Building and other structures	\$1,000 .. 73 671	10
Machinery and equipment	\$1,000 .. 601 184	6
Automobiles, trucks, etc., for highway use	\$1,000 .. 14 978	7
Computers and peripheral data processing equipment	\$1,000 .. 50 971	10
All other expenditures	\$1,000 .. 535 235	6
Total fringe benefits	\$1,000 .. 1 003 385	1
Cost of purchased fuels	\$1,000 .. 159 755	4
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 5 204 042	1
Cost	\$1,000 .. 208 952	1
Generated less sold	1,000 kWh .. 182 575	X
VERMONT		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 1 405 699	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 380 521	9
Work-in-process	\$1,000 .. 709 864	1
Materials and supplies	\$1,000 .. 315 315	3
End of 2003, total	\$1,000 .. 1 293 465	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 329 184	6
Work-in-process	\$1,000 .. 641 469	1
Materials and supplies	\$1,000 .. 322 812	5
Capital expenditures:		
Total (new and used)	\$1,000 .. 274 139	4
Building and other structures	\$1,000 .. 65 493	6
Machinery and equipment	\$1,000 .. 208 646	5
Automobiles, trucks, etc., for highway use	\$1,000 .. 5 089	14
Computers and peripheral data processing equipment	\$1,000 .. 13 948	6
All other expenditures	\$1,000 .. 189 609	5
Total fringe benefits	\$1,000 .. 425 908	1
Cost of purchased fuels	\$1,000 .. 36 081	3
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 1 237 724	1
Cost	\$1,000 .. 100 267	1
Generated less sold	1,000 kWh .. 14 058	X
VIRGINIA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 8 968 840	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 806 287	1
Work-in-process	\$1,000 .. 1 760 143	1
Materials and supplies	\$1,000 .. 4 402 410	1
End of 2003, total	\$1,000 .. 8 837 983	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 869 110	2
Work-in-process	\$1,000 .. 1 798 143	1
Materials and supplies	\$1,000 .. 4 170 729	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 230 382	4
Building and other structures	\$1,000 .. 300 904	5
Machinery and equipment	\$1,000 .. 1 929 478	4
Automobiles, trucks, etc., for highway use	\$1,000 .. 81 084	16
Computers and peripheral data processing equipment	\$1,000 .. 147 978	2
All other expenditures	\$1,000 .. 1 700 415	4
Total fringe benefits	\$1,000 .. 3 407 554	1
Cost of purchased fuels	\$1,000 .. 683 259	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 19 530 577	1
Cost	\$1,000 .. 791 239	1
Generated less sold	1,000 kWh .. 1 992 330	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
WASHINGTON		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 16 611 233	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 569 103	2
Work-in-process	\$1,000 .. 10 126 527	1
Materials and supplies	\$1,000 .. 2 915 603	2
End of 2003, total	\$1,000 .. 15 966 046	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 619 133	1
Work-in-process	\$1,000 .. 9 737 183	1
Materials and supplies	\$1,000 .. 2 609 730	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 713 177	4
Building and other structures	\$1,000 .. 217 448	15
Machinery and equipment	\$1,000 .. 1 495 729	4
Automobiles, trucks, etc., for highway use	\$1,000 .. 45 189	7
Computers and peripheral data processing equipment	\$1,000 .. 120 644	5
All other expenditures	\$1,000 .. 1 329 896	4
Total fringe benefits	\$1,000 .. 3 444 097	1
Cost of purchased fuels	\$1,000 .. 554 311	3
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 22 293 102	1
Cost	\$1,000 .. 933 674	1
Generated less sold	1,000 kWh .. -1 322 694	X
WEST VIRGINIA		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 2 430 118	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 049 386	2
Work-in-process	\$1,000 .. 566 876	1
Materials and supplies	\$1,000 .. 813 855	1
End of 2003, total	\$1,000 .. 2 466 392	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 065 437	2
Work-in-process	\$1,000 .. 524 975	2
Materials and supplies	\$1,000 .. 875 980	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 441 295	3
Building and other structures	\$1,000 .. 36 186	5
Machinery and equipment	\$1,000 .. 405 109	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 9 354	12
Computers and peripheral data processing equipment	\$1,000 .. 19 582	6
All other expenditures	\$1,000 .. 376 173	3
Total fringe benefits	\$1,000 .. 871 132	1
Cost of purchased fuels	\$1,000 .. 375 575	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 9 791 240	1
Cost	\$1,000 .. 333 230	1
Generated less sold	1,000 kWh .. 1 814 755	X
WISCONSIN		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000 .. 11 768 293	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 999 332	2
Work-in-process	\$1,000 .. 2 455 547	2
Materials and supplies	\$1,000 .. 4 313 414	1
End of 2003, total	\$1,000 .. 11 895 609	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 5 024 234	2
Work-in-process	\$1,000 .. 2 414 641	1
Materials and supplies	\$1,000 .. 4 456 733	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 3 301 984	2
Building and other structures	\$1,000 .. 452 893	7
Machinery and equipment	\$1,000 .. 2 849 091	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 79 456	9
Computers and peripheral data processing equipment	\$1,000 .. 198 234	2
All other expenditures	\$1,000 .. 2 571 401	2
Total fringe benefits	\$1,000 .. 5 566 751	1
Cost of purchased fuels	\$1,000 .. 940 961	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 23 388 235	1
Cost	\$1,000 .. 1 118 714	1
Generated less sold	1,000 kWh .. 1 554 758	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2003—Con.

[Data based on the 2003 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]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
WYOMING		
Manufacturers' inventories:		
Beginning of 2003, total	\$1,000.. 327 107	14
Detail by stage of fabrication:		
Finished products	\$1,000.. 157 683	12
Work-in-process	\$1,000.. 51 680	5
Materials and supplies	\$1,000.. 117 745	22
End of 2003, total	\$1,000.. 386 316	14
Detail by stage of fabrication:		
Finished products	\$1,000.. 189 374	10
Work-in-process	\$1,000.. 86 826	40
Materials and supplies	\$1,000.. 110 116	11
Capital expenditures:		
Total (new and used)	\$1,000.. 45 330	12
Building and other structures	\$1,000.. 5 381	68
Machinery and equipment	\$1,000.. 39 949	7
Automobiles, trucks, etc., for highway use	\$1,000.. 1 779	16
Computers and peripheral data processing equipment	\$1,000.. 1 761	12
All other expenditures	\$1,000.. 36 408	7
Total fringe benefits	\$1,000.. 95 820	2
Cost of purchased fuels	\$1,000.. 126 397	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 3 447 264	1
Cost	\$1,000.. 121 315	1
Generated less sold	1,000 kWh.. 16 788	X

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

Note: The data in this table are based on the 2003 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Appendix A.

Explanation of Terms

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.

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.

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).

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.

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 work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

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

COST OF MATERIALS

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

Included in 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.

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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.

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 paper mills in the paper and allied products 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 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 which 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.

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:

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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, i.e., products identified as being normally reflective of that industry's output, based upon the 2002 NAICS as published by the U.S. Office of Management and Budget;
2. secondary product value of shipments, i.e., products identified with industries different from the reporting establishment's industry; and
3. total miscellaneous receipts.

Primary product shipments are used to calculate industry specialization. An ASM establishment's industry classification is primarily determined by its industry specialization.

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.

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.

BEGINNING- AND END-OF-YEAR INVENTORIES

Respondents were asked to report their beginning-of-year and end-of-year inventories at cost or market. Effective with the 1982 Economic Census, this change to a uniform instruction for reporting inventories was introduced for all sector reports. Prior to 1982, respondents were permitted to value inventories using any generally accepted accounting method (FIFO, LIFO, market, to name a few). Beginning in 1982, LIFO users were asked to first report inventory values prior to the LIFO adjustment and then to report the LIFO reserve and the LIFO value after adjustment for the reserve.

Inventory data by stage of fabrication:

Total inventories and three detailed components were collected:

- 1) finished goods
- 2) work-in-process
- 3) materials, supplies, fuels, etc.

When using inventory data by stage of fabrication for all industries and at the three-digit subsector level, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw material by an establishment in a different industry. For example, the finished-product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown for all publication levels.

Appendix B.

NAICS Codes, Titles, and Descriptions

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.

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.

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.

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.

3115 DAIRY PRODUCT MANUFACTURING

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

3116 ANIMAL SLAUGHTERING AND PROCESSING

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

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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.

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.

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.

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.

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.

3122 TOBACCO MANUFACTURING

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

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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).

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.

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.

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).

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.

3222 CONVERTED PAPER PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in converting paper or paperboard without manufacturing paper or paperboard.

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.

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.

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.

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.

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.

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;

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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.

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.

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.

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).

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.

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.

327 NONMETALLIC MINERAL PRODUCT MANUFACTURING

The Nonmetallic Mineral Product Manufacturing subsector transforms mined or quarried nonmetallic minerals, such as sand, gravel, stone, clay, and refractory materials, into products for intermediate or final consumption. Processes used include grinding, mixing, cutting, shaping, and honing. Heat often is used in the process and chemicals are frequently mixed to change the composition, purity, and chemical properties for the intended product. For example, glass is produced by heating silica sand to the melting point (sometimes combined with cullet or recycled glass) and then drawn, floated, or blow molded to the desired shape or thickness. Refractory materials are heated and then formed into bricks or other shapes for use in industrial applications. The Nonmetallic Mineral Product Manufacturing subsector includes establishments that manufacture products, such as bricks, refractories, ceramic products, and glass and glass products, such as plate glass and containers. Also included are cement and concrete products, lime, gypsum and other nonmetallic mineral products including abrasive products, ceramic plumbing fixtures, statuary, cut stone products, and mineral wool. The products are used in a wide range of activities from construction and heavy and light manufacturing to articles for personal use.

Mining, beneficiating, and manufacturing activities often occur in a single location. Separate receipts will be collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals, beneficiate the nonmetallic minerals and further process the nonmetallic minerals into a more finished manufactured product are classified based on the primary activity of the establishment. A mine that manufactures a small amount of finished products will be classified in Sector 21, Mining. An establishment that mines whose primary output is a more-finished manufactured product will be classified in the Manufacturing Sector.

Excluded from the Nonmetallic Mineral Product Manufacturing subsector are establishments that primarily beneficiate mined nonmetallic minerals. Beneficiation is the process whereby the extracted material is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use. Beneficiation establishments are included in Sector 21, Mining.

3271 CLAY PRODUCT AND REFRACTORY MANUFACTURING

This industry group comprises establishments primarily engaged in shaping, molding, glazing, and firing pottery, ceramics, and plumbing fixtures made entirely or partly of clay or other ceramic materials and/or shaping, molding, baking, burning, or hardening clay refractories, non-clay refractories, ceramic tile, structural clay tile, brick, and other structural clay building materials.

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.

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.

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.

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).

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.

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.

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).

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.

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.

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.

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).

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.

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.

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).

3326 SPRING AND WIRE PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in:

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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).

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.

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.

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).

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.

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.

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.

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.

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.

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).

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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).

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.

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.

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;

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6. Motor vehicle seating and interior trim manufacturing;
 7. Motor vehicle metal stamping; and/or
 8. Other motor vehicle parts manufacturing.

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).

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.

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.

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).

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.

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).

3379 OTHER FURNITURE RELATED PRODUCT MANUFACTURING

This industry group comprises establishments manufacturing furniture related products, such as mattresses, blinds, and shades.

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.

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.

Appendix C.

Methodology

SOURCES OF THE DATA

The Annual Survey of Manufactures (ASM) is a sample survey of approximately 57,000 establishments. A new sample is selected at 5-year intervals beginning the second survey year subsequent to the Economic Census — Manufacturing. The current sample was selected from the 1997 Economic Census — Manufacturing and has been used as the ASM sample since 1999. A new ASM sample will be introduced for the 2004-2008 surveys based on the 2002 Economic Census — Manufacturing.

In 1997, there were approximately 366,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1997 manufacturing population was divided into those sent report forms and those not sent report forms. The coverage of and the method of obtaining the Annual Survey of Manufactures (ASM) sample information from each are described below:

1. Establishments sent a report form:

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 366,000 establishments in the 1997 Economic Census — Manufacturing 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).

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 \$1 billion 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 14,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 500 employees or more were defined as employment certainties. In addition, all establishments producing electronic computers were defined as certainties. A final certainty category, small industry certainties, was added for the 1999 sample. This category assured that all establishments of small industries (20 establishments or less) were included in the sample. Across these four arbitrary certainty classes, there were approximately 16,600 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 62 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 and six-digit industry, a desired reliability constraint was specified. The product class constraints were based on product class size (1997 shipments) while the industry constraints were a function of both current size (1997 shipments) and change in size since 1992. 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).

2. Establishments not sent a report form:

- a. Nonmail stratum. The nonmail component of the Annual Survey of Manufactures (ASM) traditionally consists of small, single-establishment companies from the Economic Census — Manufacturing. For the 1999 sample, this component also included approximately 3,600 single-establishment companies that were rotated from the mail stratum to the nonmail stratum in order to prevent their selection in consecutive sample panels. The combined initial nonmail component of the 1999 sample contained approximately 166,000 single-establishment companies from 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 these companies 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.
- b. All nonemployers, i.e., all firms subject to federal income tax, with no paid employees, during 2003 are excluded as in previous Annual Survey of Manufactures (ASM). Data for nonemployers are not included in this report, but are released in the annual *Nonemployer Statistics* series.

The report forms, frequently asked questions, and instructions used to collect information from establishments in the Annual Survey of Manufactures (ASM) are available at <http://help.econ.census.gov/BHS/ASM/index.html>.

The Annual Survey of Manufactures (ASM) reports to review online are available at <http://www.census.gov/mcd/asmhome.html>.

ESTABLISHMENT BASIS OF REPORTING

The Annual Survey of Manufactures (ASM) is conducted on an establishment basis. Reports are filed for those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports, if the plant records permit such a separation and if the activities are substantial in size. Estimates are based on the reports from a representative sample of manufacturing establishments. These estimates represent the portion of the manufacturing population accounted for by establishments with paid employees. Nonemployers are defined as out-of-scope of the ASM. The tables provide estimates for employment, plant hours, payrolls, value added by manufacture, capital expenditures, cost of materials, inventories, value of industry shipments, and fuels and electric energy consumed for most manufacturing industries.

The Annual Survey of Manufactures (ASM) excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company. These data are published in a separate report series.

RELIABILITY OF DATA

All data compiled in the Annual Survey of Manufactures (ASM) are subject to nonsampling errors. Nonsampling errors can be attributed to many sources during the development or execution of the ASM. The following are two ways that further explain this method:

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1. **Estimating Procedure.** Most of the Annual Survey of Manufactures (ASM) estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding historical data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the “difference” between the current year and a base year is computed from sample cases and added to the corresponding base-year values. For the 1998-2001 ASM estimates, the 1997 Economic Census — Manufacturing values serve as the base year. For the 2003 ASM, the base has been updated to 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 are directly tabulated from the administrative-record data provided by the Internal Revenue Service (IRS) and the Social Security Administration (SSA). Estimates of the other data variables are developed from industry averages. Although the nonmail stratum contained approximately 156,000 individual establishments in 2003, it accounted for less than 3 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

2. **Data Qualifications.** The estimates developed from the sample are 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 Annual Survey of Manufactures (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 Annual Survey of Manufactures (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 Annual Survey of Manufactures (ASM) shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (resales, contract receipts, repair work, etc.). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

DISCLOSURE

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

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

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan and Micropolitan Statistical Areas

Not applicable for this report.

