

Geographic Area Statistics: 2004

Issued January 2006

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Annual Survey of Manufactures



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CONTENTS

Introduction	v
Tables	
1. Statistics for All Manufacturing by State: 2004	1
2. Statistics for the United States and States by Subsector: 2004 .	2
3. Supplemental Statistics for the United States and States: 2004	26
Appendixes	
A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--

-- Not applicable for this report.

Introduction

SCOPE

The Annual Survey of Manufactures (ASM) provides sample estimates of statistics for all manufacturing establishments with one or more paid employees. The Manufacturing sector (sector 31-33) comprises establishments engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products. The assembling of component parts of manufactured products is considered manufacturing, except in cases where the activity is appropriately classified in Sector 23, Construction. This report presents manufacturing establishment statistics from the 2004 ASM.

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

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

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

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

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

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

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

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

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

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

REPORTS

The Annual Survey of Manufactures (ASM) consists of manufacturing establishment statistics from the 2004 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 2004 through 2002 data at the three-through six-digit North American Industry Classification System (NAICS) levels. The 2003 data are from the 2003 ASM and include revisions made to the data since its initial release. This report also includes a historic table with data for the all-manufacturing level back to 1977. This report includes such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, detailed capital expenditures, supplemental labor costs, fuels and electric energy used, inventories by stage of fabrication, value of shipments, detailed miscellaneous receipts, and interplant transfers.

AS-2 — Value of Product Shipments. This report presents value of product shipments from the Annual Survey of Manufactures (ASM). This ASM report presents 2004 through 2002 shipments data for the 473 six-digit North American Industry Classification System (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 Annual Survey of Manufactures (ASM) report presents 2004 data at the three-digit North American Industry Classification System (NAICS) level for employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, and total capital expenditures. Data for detailed capital expenditures, supplemental labor costs, fuels and electric energy used, and inventories by stage of fabrication are presented at the US and state levels.

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

GEOGRAPHIC AREAS COVERED

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

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 2003 data are expressed in 2003 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 2004 AND PRIOR YEARS ANNUAL SURVEY OF MANUFACTURES

The 2004 Annual Survey of Manufactures (ASM) and prior years ASM, present data based on the North American Industry Classification System (NAICS). While there were revisions to selected industries for the 2002 Economic Census, this sector was not affected by those revisions.

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

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

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

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

For 2003, several additional data tables were 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) is published for certain industries.

RELIABILITY OF DATA

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

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

DISCLOSURE

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

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

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

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

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

CONTACTS FOR DATA USERS

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

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with these data:

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

Table 1. Statistics for All Manufacturing by State: 2004

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

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	13 381 245	569 202 680	9 339 582	19 232 978	331 657 868	2 025 957 411	2 248 022 079	4 259 365 721	1	1
Alabama	259 058	9 357 708	200 645	411 444	6 393 006	34 002 140	42 463 342	76 095 998	1	1
Alaska	10 262	351 542	8 696	19 630	267 968	1 736 317	3 105 499	4 753 373	2	2
Arizona	158 004	7 240 247	96 923	201 699	3 484 749	24 095 937	17 381 353	41 644 425	1	1
Arkansas	193 746	6 391 778	155 852	319 055	4 565 005	25 655 451	28 860 478	54 547 065	1	1
California	1 440 882	65 248 521	895 157	1 831 228	29 857 786	202 312 472	187 721 195	388 332 106	1	1
Colorado	132 925	5 950 410	87 447	182 472	3 138 824	16 965 106	16 751 911	33 594 415	2	2
Connecticut	191 909	9 632 055	111 290	232 781	4 534 655	28 744 575	16 589 459	45 105 313	1	1
Delaware	36 378	1 623 552	25 669	55 416	991 406	7 660 485	10 581 351	17 488 104	1	1
District of Columbia	1 876	70 970	1 155	2 443	37 260	163 971	108 842	271 285	8	3
Florida	354 186	13 967 317	232 136	475 314	7 161 310	44 925 568	39 056 721	84 301 076	2	1
Georgia	419 562	15 518 116	318 415	660 416	10 138 974	59 476 952	72 158 774	131 454 953	1	1
Hawaii	14 035	522 317	8 901	21 694	322 493	1 489 253	3 123 509	4 560 529	4	5
Idaho	56 479	2 107 674	36 632	73 753	1 103 547	9 604 510	7 050 286	16 583 348	3	1
Illinois	676 061	29 166 378	466 252	976 036	16 846 122	102 970 803	108 908 741	210 042 943	1	1
Indiana	534 942	23 343 286	403 781	837 447	15 916 604	86 548 953	98 032 234	183 563 979	1	1
Iowa	217 229	8 496 177	157 675	326 297	5 378 906	36 687 685	43 173 713	79 469 973	1	1
Kansas	167 982	6 937 020	117 307	243 427	4 164 870	22 108 095	34 121 599	56 464 687	1	1
Kentucky	246 749	10 344 924	187 621	382 472	6 939 076	36 518 585	60 934 622	97 253 993	1	1
Louisiana	140 985	6 704 979	103 159	219 457	4 367 244	43 393 135	81 844 136	124 304 916	1	1
Maine	57 991	2 316 607	42 472	84 513	1 521 386	7 248 306	6 406 593	13 656 976	2	1
Maryland	135 773	6 309 453	85 668	173 420	3 143 085	19 130 868	17 410 251	36 489 611	1	1
Massachusetts	302 263	14 895 421	179 747	371 939	6 560 964	45 009 540	31 986 108	76 538 427	1	1
Michigan	651 947	32 547 627	478 466	998 382	21 733 072	93 659 270	127 335 849	220 454 536	1	1
Minnesota	325 601	14 210 871	214 788	445 240	7 630 683	43 707 052	45 014 840	88 472 002	1	1
Mississippi	169 947	5 545 702	134 189	268 267	3 836 346	18 201 313	25 728 246	43 862 224	1	1
Missouri	302 906	12 706 557	228 857	447 566	8 333 123	44 782 707	57 995 948	102 803 817	1	1
Montana	17 311	664 859	12 709	25 335	423 452	2 386 445	4 136 879	6 468 831	4	2
Nebraska	99 706	3 532 982	76 578	158 510	2 392 902	12 476 994	22 072 336	34 433 980	1	1
Nevada	43 967	1 849 841	28 876	60 133	975 925	5 250 805	4 357 678	9 551 363	1	1
New Hampshire	72 498	3 332 765	45 589	94 748	1 597 960	8 465 770	7 025 141	15 439 133	2	1
New Jersey	308 566	14 447 692	201 419	417 001	7 493 579	49 127 414	45 084 661	94 125 100	1	1
New Mexico	32 927	1 343 185	22 821	43 263	766 050	11 708 157	5 650 767	17 392 906	2	1
New York	569 641	24 145 580	370 674	755 822	12 921 443	83 146 115	63 620 273	146 691 694	1	1
North Carolina	550 217	19 861 180	411 087	843 358	12 508 166	90 231 000	74 111 146	163 838 371	1	1
North Dakota	22 027	764 390	16 485	33 232	508 234	2 913 372	4 527 574	7 371 777	2	1
Ohio	782 617	34 503 085	570 149	1 182 621	22 613 437	117 751 145	141 625 960	258 799 499	1	1
Oklahoma	132 540	5 241 258	96 281	201 473	3 330 338	17 933 356	28 067 862	45 710 318	1	1
Oregon	174 214	7 276 982	124 217	252 054	4 378 480	33 773 008	21 269 459	54 836 484	1	1
Pennsylvania	645 796	26 816 164	457 003	931 809	16 274 061	96 329 442	94 910 910	190 370 876	1	1
Rhode Island	55 367	2 235 529	35 544	73 385	1 119 764	6 322 359	4 867 434	11 173 102	2	1
South Carolina	258 222	10 293 462	194 712	402 483	6 608 125	35 662 800	46 071 621	81 630 468	1	1
South Dakota	37 469	1 222 142	28 628	56 873	824 444	4 500 018	7 646 203	12 083 846	1	1
Tennessee	384 152	14 808 283	286 806	586 631	9 678 932	58 677 954	67 243 204	125 530 821	1	1
Texas	773 506	33 559 330	525 332	1 106 111	18 582 703	150 697 653	237 081 355	385 534 384	1	1
Utah	107 362	4 202 384	72 810	148 243	2 299 464	14 014 569	15 698 666	29 588 962	2	1
Vermont	38 341	1 687 352	24 379	48 987	892 977	5 018 735	4 948 119	9 911 307	1	1
Virginia	284 076	11 915 146	206 060	428 748	7 157 757	49 714 651	38 164 075	87 842 594	1	6
Washington	242 483	11 179 078	153 825	312 979	5 599 409	36 833 803	40 230 864	77 664 743	1	1
West Virginia	63 094	2 651 959	47 549	96 540	1 791 647	8 845 976	11 895 753	20 578 872	1	1
Wisconsin	476 794	19 808 433	344 680	697 583	12 307 252	65 693 306	70 518 802	135 676 034	1	1
Wyoming	8 675	352 411	6 472	13 248	242 906	1 683 515	3 349 739	5 010 186	1	1

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 1: Previous years' data may differ from that published in the 2003 Annual Survey of Manufactures (ASM) because of changes encountered in subsequent review of the 2004 ASM.

Note 2: The data in this table are based on the 2004 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 Subsector: 2004

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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
UNITED STATES													
31-33	Manufacturing	13 381 245	569 202 680	9 339 582	19 232 978	331 657 868	2 025 957 411	2 248 022 079	4 259 365 721	114 387 138	1	1	1
311	Food manufacturing	1 440 929	46 371 168	1 091 199	2 239 337	31 085 704	222 884 849	286 877 981	509 500 475	11 266 146	1	1	1
312	Beverage and tobacco product manufacturing	145 373	6 904 455	81 063	164 438	3 301 451	71 871 891	40 343 586	111 891 037	2 840 538	1	1	2
313	Textile mills	215 652	6 628 370	181 037	374 725	4 932 526	16 239 335	23 658 786	40 143 703	943 273	1	1	3
314	Textile product mills	166 535	4 713 530	128 061	262 137	3 070 519	14 592 753	18 577 814	33 393 967	512 439	1	1	4
315	Apparel manufacturing	253 860	5 918 934	194 992	370 120	3 683 560	16 709 993	16 361 960	33 363 886	345 818	2	1	4
316	Leather and allied product manufacturing	38 567	1 096 095	29 846	56 286	665 120	2 710 864	3 007 563	5 744 607	80 890	1	1	1
321	Wood product manufacturing .	534 005	16 945 415	427 440	901 946	12 113 165	43 646 448	60 060 423	103 210 492	2 705 309	1	1	3
322	Paper manufacturing	439 868	20 561 216	340 275	735 611	14 155 899	74 153 856	80 192 400	154 207 469	5 157 048	1	1	1
323	Printing and related support activities	658 082	24 746 597	464 876	907 500	15 374 086	57 381 636	36 281 314	93 495 116	4 028 849	1	1	3
324	Petroleum and coal products manufacturing	96 803	7 024 049	61 534	140 521	4 003 972	61 578 663	253 647 797	312 940 208	7 150 814	1	1	1
325	Chemical manufacturing	768 404	43 643 655	435 594	906 343	20 770 612	294 415 837	238 259 028	527 929 651	17 039 730	1	1	1
326	Plastics and rubber products manufacturing	884 112	32 183 513	686 488	1 428 851	21 621 950	91 730 742	91 827 036	182 948 464	6 325 202	1	1	2
327	Nonmetallic mineral product manufacturing	455 363	18 136 063	351 155	757 249	12 634 941	58 896 605	43 284 477	102 040 223	4 743 148	1	1	2
331	Primary metal manufacturing .	435 063	21 157 019	342 314	747 313	15 450 037	73 085 804	108 768 801	179 241 370	3 957 866	1	1	3
332	Fabricated metal product manufacturing	1 467 947	57 388 573	1 083 529	2 261 120	36 802 220	143 796 915	117 534 014	259 772 292	7 420 701	1	1	2
333	Machinery manufacturing	1 053 534	48 206 244	666 040	1 376 397	24 999 027	133 891 807	136 612 979	269 321 411	5 993 850	1	1	1
334	Computer and electronic product manufacturing	1 063 231	61 239 838	474 805	970 028	18 283 619	215 120 546	148 732 237	362 491 504	11 952 768	1	2	1
335	Electrical equipment, appliance, and component manufacturing	431 140	17 125 480	303 025	604 754	9 786 403	52 270 093	51 829 755	103 891 782	2 194 318	1	1	1
336	Transportation equipment manufacturing	1 574 844	84 084 896	1 130 261	2 286 065	54 329 144	252 899 682	408 820 491	663 352 404	14 351 115	1	1	1
337	Furniture and related product manufacturing	555 881	17 288 732	426 821	853 147	11 436 495	43 886 142	34 593 707	78 098 768	1 302 207	1	1	3
339	Miscellaneous manufacturing .	702 052	27 838 836	439 226	889 088	13 157 417	84 192 950	48 749 931	132 386 895	4 075 109	1	1	5
ALABAMA													
31-33	Manufacturing	259 058	9 357 708	200 645	411 444	6 393 006	34 002 140	42 463 342	76 095 998	2 431 982	1	1	1
311	Food manufacturing	35 549	880 272	28 186	55 446	607 793	3 342 179	4 684 529	8 019 671	147 669	4	1	3
312	Beverage and tobacco product manufacturing	2 322	72 226	1 472	3 173	40 745	194 653	528 670	723 582	22 195	5	3	11
313	Textile mills	12 147	342 965	10 899	22 148	290 836	1 205 442	1 628 187	2 830 552	26 916	5	2	9
314	Textile product mills	6 477	164 754	5 482	10 640	124 793	547 237	819 527	1 374 038	13 246	7	6	19
315	Apparel manufacturing	10 070	233 115	8 140	15 603	164 849	846 255	720 417	1 578 576	8 182	6	5	4
321	Wood product manufacturing .	19 269	578 391	15 409	33 015	404 772	1 721 580	2 505 114	4 208 930	91 554	3	6	8
322	Paper manufacturing	12 363	709 987	10 040	22 796	536 573	3 120 432	3 076 993	6 211 472	281 419	1	1	1
323	Printing and related support activities	h	D	D	D	D	D	D	D	24 014	S	S	31
324	Petroleum and coal products manufacturing	2 102	109 760	1 503	3 312	73 106	821 246	2 572 822	3 291 980	122 862	1	1	1
325	Chemical manufacturing	12 564	624 025	8 689	18 402	393 682	5 060 823	3 566 014	8 557 059	233 882	2	1	4
326	Plastics and rubber products manufacturing	17 136	660 302	14 036	29 219	493 599	1 600 652	1 721 174	3 320 755	89 679	4	2	8
327	Nonmetallic mineral product manufacturing	7 418	297 584	5 853	12 674	211 057	1 104 937	724 724	1 834 680	69 672	5	3	6
331	Primary metal manufacturing .	16 438	805 290	12 764	29 525	583 853	2 692 645	5 709 270	8 322 496	244 844	2	2	2
332	Fabricated metal product manufacturing	23 394	868 126	17 211	35 601	548 721	2 255 487	2 110 854	4 360 142	117 629	3	3	10
333	Machinery manufacturing	12 520	458 633	9 052	18 417	277 103	1 137 665	1 635 236	2 757 264	45 962	3	3	8
334	Computer and electronic product manufacturing	12 170	468 471	7 724	15 786	229 388	1 513 011	1 840 475	3 358 784	62 285	1	1	4
335	Electrical equipment, appliance, and component manufacturing	5 255	184 733	4 068	7 943	128 024	791 664	972 262	1 733 979	29 482	4	2	4
336	Transportation equipment manufacturing	26 868	1 145 769	21 304	39 767	804 652	4 001 131	6 098 203	10 047 678	739 808	7	7	2
337	Furniture and related product manufacturing	13 255	368 295	10 853	21 697	256 631	1 088 978	808 452	1 882 028	43 497	2	1	4
339	Miscellaneous manufacturing .	6 952	224 469	4 806	10 284	130 619	593 585	463 570	1 049 945	17 008	2	2	10

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

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NAICS code	Geographic area and subsector	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
ALASKA													
31-33	Manufacturing	10 262	351 542	8 696	19 630	267 968	1 736 317	3 105 499	4 753 373	50 680	2	2	9
311	Food manufacturing	7 289	207 230	6 486	14 679	169 817	656 976	885 208	1 544 768	31 039	2	6	12
ARIZONA													
31-33	Manufacturing	158 004	7 240 247	96 923	201 699	3 484 749	24 095 937	17 381 353	41 644 425	1 551 525	1	1	2
311	Food manufacturing	9 386	297 381	6 824	13 496	187 030	1 460 405	1 762 477	3 146 128	100 850	1	4	1
312	Beverage and tobacco product manufacturing	1 547	57 072	563	1 233	16 442	281 720	443 200	728 309	12 587	1	1	1
314	Textile product mills	1 072	31 161	730	1 350	17 536	109 591	106 333	218 292	3 211	23	29	27
321	Wood product manufacturing .	10 508	312 242	7 809	16 036	194 285	649 603	755 786	1 390 732	26 254	4	7	8
322	Paper manufacturing	3 020	131 286	2 368	5 133	90 150	413 330	458 354	864 479	29 915	4	2	16
323	Printing and related support activities	6 405	230 998	4 678	8 579	148 272	550 568	246 315	792 204	18 062	7	5	16
325	Chemical manufacturing	3 358	167 340	1 805	3 564	70 416	745 811	396 117	1 158 130	44 571	9	10	27
326	Plastics and rubber products manufacturing	8 108	297 458	6 408	13 393	202 382	731 857	747 457	1 480 579	38 594	9	6	8
327	Nonmetallic mineral product manufacturing	7 321	277 767	5 809	12 253	200 691	929 066	777 695	1 699 542	51 388	6	8	7
331	Primary metal manufacturing .	3 143	127 608	2 422	5 521	86 214	581 118	502 245	1 035 484	16 078	2	1	4
332	Fabricated metal product manufacturing	17 218	688 006	12 230	24 999	420 135	1 870 544	1 393 571	3 208 687	82 917	4	4	12
333	Machinery manufacturing	7 206	294 981	4 629	9 501	144 013	678 145	728 029	1 411 767	44 802	4	6	7
334	Computer and electronic product manufacturing	27 129	1 548 956	12 357	26 483	503 372	8 311 836	3 079 242	11 587 349	817 472	4	1	4
335	Electrical equipment, appliance, and component manufacturing	2 155	82 230	1 325	2 646	39 039	196 630	148 944	376 919	17 474	3	1	17
336	Transportation equipment manufacturing	30 334	1 994 419	12 981	29 074	800 850	4 769 658	4 569 352	9 437 445	144 670	2	1	2
337	Furniture and related product manufacturing	9 009	263 750	7 145	14 633	172 346	577 342	528 368	1 102 891	25 626	4	4	7
339	Miscellaneous manufacturing .	9 264	384 710	5 326	10 688	152 297	1 058 836	411 646	1 501 839	67 794	5	6	18
ARKANSAS													
31-33	Manufacturing	193 746	6 391 778	155 852	319 055	4 565 005	25 655 451	28 860 478	54 547 065	1 229 182	1	1	2
311	Food manufacturing	49 972	1 259 402	43 043	88 332	979 191	7 786 947	6 267 297	14 064 273	267 863	2	1	2
314	Textile product mills	1 231	41 633	1 002	2 105	31 283	86 995	114 811	224 024	7 455	1	5	7
315	Apparel manufacturing	1 986	38 195	1 851	3 702	33 215	185 453	99 325	300 570	1 224	14	8	1
316	Leather and allied product manufacturing	2 714	56 418	2 477	4 513	43 367	77 868	91 239	166 766	1 830	1	1	1
321	Wood product manufacturing .	12 460	400 895	10 813	23 773	328 977	1 129 940	1 870 341	2 968 143	77 124	2	2	7
322	Paper manufacturing	10 821	524 614	8 980	19 171	400 592	1 805 736	2 040 865	3 858 591	136 303	4	3	4
323	Printing and related support activities	3 232	122 841	1 972	3 848	67 415	240 099	192 798	436 611	15 719	7	7	27
324	Petroleum and coal products manufacturing	995	46 042	450	958	18 366	160 092	1 342 988	1 494 363	D	1	5	S
325	Chemical manufacturing	5 410	267 258	3 507	7 116	153 471	1 071 833	1 447 130	2 509 391	113 613	2	1	2
326	Plastics and rubber products manufacturing	15 078	537 542	12 160	23 762	394 723	1 867 986	1 879 254	3 790 896	131 560	4	4	14
327	Nonmetallic mineral product manufacturing	3 525	110 970	2 907	5 846	82 265	470 553	346 600	810 740	D	4	2	S
331	Primary metal manufacturing .	8 564	397 511	7 068	16 078	318 849	2 079 691	3 413 393	5 419 041	64 388	1	1	1
332	Fabricated metal product manufacturing	16 558	610 668	11 808	24 562	372 445	2 176 799	1 671 962	3 844 708	67 513	4	3	9
333	Machinery manufacturing	14 324	451 759	10 274	20 798	275 464	1 459 043	1 729 341	3 185 938	53 543	1	2	6
334	Computer and electronic product manufacturing	5 191	180 517	4 166	8 433	124 466	606 841	870 433	1 455 465	25 047	1	1	1
335	Electrical equipment, appliance, and component manufacturing	13 612	454 557	11 308	22 305	341 752	1 754 707	1 695 442	3 441 254	63 816	1	1	1
336	Transportation equipment manufacturing	15 004	512 188	12 287	24 451	366 503	1 373 423	2 645 688	4 122 540	95 018	5	6	6
337	Furniture and related product manufacturing	7 389	207 267	5 858	11 353	142 085	527 341	478 973	997 823	15 626	4	4	3
339	Miscellaneous manufacturing .	4 749	132 120	3 447	6 972	76 777	307 109	327 970	627 210	8 894	9	7	9

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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	1 440 882	65 248 521	895 157	1 831 228	29 857 786	202 312 472	187 721 195	388 332 106	11 872 899	1	1	1
311	Food manufacturing	155 807	5 275 583	113 717	231 708	3 398 014	22 796 131	26 778 829	49 392 977	1 433 275	1	1	5
312	Beverage and tobacco product manufacturing	30 073	1 438 671	14 373	29 325	559 802	8 233 924	7 158 341	15 071 123	534 910	2	2	3
313	Textile mills	11 676	347 205	9 636	18 860	252 921	772 614	961 994	1 747 137	68 020	5	9	38
314	Textile product mills	14 795	410 991	10 676	22 045	255 307	1 112 767	1 317 270	2 467 538	47 393	3	3	13
315	Apparel manufacturing	78 561	1 901 085	60 073	115 149	1 118 614	5 184 432	5 482 432	10 681 196	107 941	3	2	6
316	Leather and allied product manufacturing	4 439	116 961	3 299	6 129	66 955	262 300	261 923	526 301	19 537	5	3	2
321	Wood product manufacturing .	39 313	1 245 044	31 074	64 502	873 761	2 870 425	4 174 645	7 017 488	132 080	1	3	6
322	Paper manufacturing	25 085	1 115 823	19 075	42 151	725 715	3 440 029	4 673 402	8 098 104	286 236	3	3	10
323	Printing and related support activities	65 942	2 540 282	45 329	87 712	1 501 091	5 912 003	3 661 681	9 560 900	431 266	3	3	17
324	Petroleum and coal products manufacturing	11 871	936 073	7 248	15 997	480 817	6 565 196	25 256 586	31 399 828	864 450	1	2	1
325	Chemical manufacturing	62 831	3 749 983	32 003	61 853	1 268 557	22 649 143	8 766 799	31 270 281	1 291 795	4	1	2
326	Plastics and rubber products manufacturing	76 195	2 622 133	57 981	123 038	1 652 560	7 416 834	6 785 566	14 165 536	428 533	2	1	4
327	Nonmetallic mineral product manufacturing	42 038	1 735 130	32 010	71 051	1 215 835	5 507 417	4 657 038	10 114 143	462 983	1	1	3
331	Primary metal manufacturing .	18 894	825 900	14 526	31 019	570 554	2 969 698	2 948 615	5 874 262	88 829	2	1	4
332	Fabricated metal product manufacturing	146 249	5 798 008	105 586	220 475	3 625 304	12 880 786	8 901 672	22 080 740	746 646	1	4	9
333	Machinery manufacturing	68 409	3 636 446	38 731	81 666	1 458 964	9 467 607	7 584 470	16 925 924	542 291	2	1	4
334	Computer and electronic product manufacturing	252 241	15 889 149	94 978	191 008	3 820 234	43 268 029	35 650 743	78 161 808	2 526 413	1	1	2
335	Electrical equipment, appliance, and component manufacturing	33 616	1 469 453	20 800	44 050	673 788	3 819 144	3 223 230	7 021 559	173 019	2	2	3
336	Transportation equipment manufacturing	130 966	7 688 360	72 185	150 265	3 164 760	18 804 920	19 153 657	38 038 070	965 558	1	1	5
337	Furniture and related product manufacturing	64 392	1 912 725	49 334	95 389	1 245 624	4 577 441	3 506 425	8 067 692	122 546	2	2	4
339	Miscellaneous manufacturing .	107 492	4 593 517	62 521	127 835	1 928 609	13 801 634	6 815 877	20 649 498	599 179	1	2	4
COLORADO													
31-33	Manufacturing	132 925	5 950 410	87 447	182 472	3 138 824	16 965 106	16 751 911	33 594 415	1 315 810	2	2	8
311	Food manufacturing	16 722	498 082	12 228	25 854	326 269	1 634 282	4 473 785	6 119 874	233 775	2	7	46
312	Beverage and tobacco product manufacturing	5 910	418 849	3 135	6 090	163 072	1 586 996	1 226 404	2 816 172	216 898	1	1	5
314	Textile product mills	2 233	81 568	1 584	3 873	43 114	330 718	153 743	486 463	7 884	2	3	2
321	Wood product manufacturing .	4 505	125 790	3 050	6 408	83 045	266 856	393 013	648 604	7 546	3	7	13
322	Paper manufacturing	2 229	88 965	1 740	3 373	64 912	241 078	291 735	526 684	15 597	2	3	28
323	Printing and related support activities	8 725	295 484	5 727	10 222	171 149	862 101	391 579	1 252 304	51 953	9	6	13
325	Chemical manufacturing	6 766	343 231	3 956	7 806	159 040	1 290 187	1 061 880	2 342 762	124 279	4	3	2
326	Plastics and rubber products manufacturing	4 714	169 537	3 407	7 204	98 713	445 976	435 354	887 299	17 232	3	3	12
327	Nonmetallic mineral product manufacturing	8 781	343 666	6 768	16 045	237 735	1 075 552	643 011	1 725 432	55 216	14	13	12
331	Primary metal manufacturing .	1 913	91 183	1 495	3 083	67 734	542 832	222 352	744 017	15 978	1	1	1
332	Fabricated metal product manufacturing	12 561	491 573	9 151	19 644	306 093	1 104 226	1 137 744	2 247 798	59 447	3	3	12
333	Machinery manufacturing	8 769	426 239	5 188	11 187	197 364	1 064 802	891 984	1 937 830	44 375	5	3	10
334	Computer and electronic product manufacturing	17 690	1 015 109	9 092	17 958	335 947	2 936 012	1 607 114	4 481 868	185 384	4	6	2
335	Electrical equipment, appliance, and component manufacturing	1 266	50 426	850	1 678	19 665	142 520	105 619	245 382	D	26	12	S
336	Transportation equipment manufacturing	9 734	702 096	7 630	15 252	479 627	907 862	1 543 259	2 476 728	58 800	1	1	7
337	Furniture and related product manufacturing	5 140	166 382	3 745	7 817	103 975	380 081	278 776	655 602	6 804	3	4	13
339	Miscellaneous manufacturing .	12 940	556 153	7 114	15 842	233 299	1 777 270	770 818	2 527 290	72 313	8	7	14

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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
CONNECTICUT													
31-33	Manufacturing	191 909	9 632 055	111 290	232 781	4 534 655	28 744 575	16 589 459	45 105 313	1 236 176	1	1	2
311	Food manufacturing	7 507	252 823	4 775	9 272	147 309	1 339 221	758 352	2 101 276	48 221	3	1	1
313	Textile mills	1 657	55 318	1 265	2 697	35 956	113 799	162 887	282 544	3 705	2	1	5
314	Textile product mills	1 203	35 307	920	1 706	20 454	82 806	88 004	173 002	1 738	2	3	2
321	Wood product manufacturing .	2 041	61 189	1 628	3 249	48 161	100 211	123 884	223 228	3 556	5	7	12
322	Paper manufacturing	5 381	263 435	4 021	8 790	178 951	944 854	803 432	1 763 124	38 620	2	2	7
323	Printing and related support activities	9 213	383 365	6 276	12 714	224 444	827 255	480 048	1 309 885	41 963	3	3	11
325	Chemical manufacturing	10 570	665 310	4 352	9 200	210 342	6 151 391	1 844 783	7 956 634	160 607	1	1	1
326	Plastics and rubber products manufacturing	7 744	303 729	5 767	12 135	186 853	735 100	699 604	1 425 310	35 551	4	5	10
327	Nonmetallic mineral product manufacturing	2 992	137 687	2 165	5 052	82 887	354 581	258 799	587 734	21 199	9	12	20
331	Primary metal manufacturing .	3 494	180 366	2 581	6 005	126 274	465 058	630 680	1 065 298	9 553	8	5	12
332	Fabricated metal product manufacturing	33 460	1 467 431	23 744	52 889	914 858	3 181 764	1 947 874	5 128 408	207 459	2	2	7
333	Machinery manufacturing	17 553	926 567	9 040	18 112	369 847	1 893 017	1 556 667	3 430 723	233 836	3	3	3
334	Computer and electronic product manufacturing	16 722	921 795	7 978	16 373	305 516	2 089 042	1 412 734	3 494 405	90 658	4	4	10
335	Electrical equipment, appliance, and component manufacturing	10 002	465 958	5 876	11 737	205 622	1 043 121	661 633	1 709 879	39 375	1	1	7
336	Transportation equipment manufacturing	44 885	2 786 800	19 894	39 590	1 121 287	7 252 816	3 321 670	10 445 074	212 661	1	1	4
337	Furniture and related product manufacturing	3 181	118 778	2 338	4 963	75 133	232 849	153 665	384 960	6 790	7	5	24
339	Miscellaneous manufacturing .	12 877	539 653	7 863	16 564	248 727	1 583 560	1 248 595	2 842 537	65 502	2	2	11
DELAWARE													
31-33	Manufacturing	36 378	1 623 552	25 669	55 416	991 406	7 660 485	10 581 351	17 488 104	327 906	1	1	2
311	Food manufacturing	9 202	228 561	7 874	16 939	184 462	681 493	1 100 722	1 782 253	34 433	1	1	1
322	Paper manufacturing	1 101	48 805	662	1 613	28 787	447 339	98 870	548 594	D	1	1	S
325	Chemical manufacturing	5 760	365 962	3 202	7 501	181 735	4 082 371	3 145 141	6 512 696	119 928	1	1	1
326	Plastics and rubber products manufacturing	2 634	107 105	1 864	3 895	64 792	363 056	268 649	630 011	17 953	2	8	33
327	Nonmetallic mineral product manufacturing	1 130	34 429	901	1 600	24 690	130 627	94 067	234 758	6 368	16	22	21
332	Fabricated metal product manufacturing	2 220	94 334	1 616	3 482	63 355	216 352	144 812	358 978	11 002	2	1	16
333	Machinery manufacturing	997	36 431	642	1 396	21 974	89 165	77 497	165 913	4 357	1	1	1
334	Computer and electronic product manufacturing	2 128	127 029	610	1 376	27 407	398 957	116 416	464 342	12 485	1	1	1
336	Transportation equipment manufacturing	4 080	282 321	3 505	8 035	235 937	200 602	3 080 764	3 299 250	36 696	1	1	1
337	Furniture and related product manufacturing	1 063	36 009	789	1 571	19 329	103 267	127 961	231 864	2 219	5	3	50
339	Miscellaneous manufacturing .	1 790	82 117	1 151	2 416	40 604	265 447	111 963	386 442	7 206	1	1	1
DISTRICT OF COLUMBIA													
31-33	Manufacturing	1 876	70 970	1 155	2 443	37 260	163 971	108 842	271 285	7 017	8	3	12

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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													
31-33	Manufacturing	354 186	13 967 317	232 136	475 314	7 161 310	44 925 568	39 056 721	84 301 076	2 588 097	2	1	4
311	Food manufacturing	30 585	1 055 243	21 516	43 319	658 360	5 381 707	4 907 052	10 457 513	355 531	2	3	15
312	Beverage and tobacco product manufacturing	7 693	285 657	4 633	9 362	148 101	2 435 318	2 052 287	4 465 263	165 809	2	1	10
313	Textile mills	1 175	37 960	950	2 011	26 600	85 998	102 972	192 527	4 223	5	4	19
314	Textile product mills	4 811	126 649	3 466	7 567	79 103	222 791	290 432	516 536	6 387	6	14	17
315	Apparel manufacturing	8 374	176 889	5 732	10 940	100 460	554 324	671 098	1 268 793	10 463	9	6	21
316	Leather and allied product manufacturing	1 006	29 422	731	1 548	15 766	51 384	77 070	127 722	1 062	20	15	1
321	Wood product manufacturing .	17 816	574 254	13 745	29 832	387 443	1 229 051	1 908 176	3 143 951	66 758	2	4	12
322	Paper manufacturing	9 674	471 443	7 567	16 674	325 050	1 750 100	1 843 590	3 596 960	149 160	1	1	4
323	Printing and related support activities	21 342	744 647	15 270	29 716	464 349	1 661 985	1 073 673	2 720 574	102 880	3	5	15
324	Petroleum and coal products manufacturing	1 167	53 332	729	1 755	28 606	177 694	368 446	547 657	13 806	1	4	8
325	Chemical manufacturing	17 807	886 976	10 459	23 567	427 966	3 747 598	4 707 112	8 520 537	374 803	2	11	14
326	Plastics and rubber products manufacturing	16 457	536 154	12 772	26 500	362 171	1 459 254	1 452 955	2 906 406	90 325	4	3	7
327	Nonmetallic mineral product manufacturing	20 588	788 267	15 818	36 488	548 677	2 662 425	2 343 818	5 003 412	220 930	3	2	9
331	Primary metal manufacturing .	3 359	139 108	2 699	6 590	102 845	448 334	721 561	1 153 561	23 702	1	2	17
332	Fabricated metal product manufacturing	40 714	1 382 328	31 091	60 366	881 463	3 281 227	2 762 522	5 994 859	151 789	12	5	10
333	Machinery manufacturing	19 266	897 119	10 399	21 236	375 731	2 285 018	2 312 631	4 595 368	84 845	2	2	8
334	Computer and electronic product manufacturing	46 769	2 547 567	19 562	39 846	675 551	7 642 798	5 671 432	13 383 658	313 739	2	2	2
335	Electrical equipment, appliance, and component manufacturing	8 005	270 002	5 081	9 553	125 535	672 176	681 257	1 362 412	26 529	10	7	13
336	Transportation equipment manufacturing	31 121	1 180 090	21 016	41 756	621 153	3 058 151	2 721 206	5 834 423	107 008	2	3	8
337	Furniture and related product manufacturing	15 851	465 753	11 875	23 153	293 786	1 142 778	873 848	2 017 179	64 705	4	4	52
339	Miscellaneous manufacturing .	30 607	1 318 457	17 026	33 533	512 592	4 975 456	1 513 583	6 491 767	253 644	3	2	4
GEORGIA													
31-33	Manufacturing	419 562	15 518 116	318 415	660 416	10 138 974	59 476 952	72 158 774	131 454 953	3 068 202	1	1	3
311	Food manufacturing	57 116	1 661 608	45 793	95 470	1 176 382	9 469 583	9 540 038	18 936 343	327 929	1	1	3
312	Beverage and tobacco product manufacturing	6 171	286 644	4 072	7 219	155 327	3 416 715	1 942 545	5 357 922	106 629	1	1	6
313	Textile mills	33 331	961 422	29 844	61 830	786 520	2 371 436	3 798 106	6 167 694	135 518	2	1	4
314	Textile product mills	34 776	1 034 219	28 756	60 978	750 711	4 918 569	7 367 496	12 291 536	157 678	3	2	4
315	Apparel manufacturing	6 588	132 020	5 193	9 789	91 782	353 512	370 084	708 606	3 756	4	5	17
321	Wood product manufacturing .	22 371	679 496	18 079	37 674	489 482	1 904 165	2 912 149	4 790 774	130 819	4	4	8
322	Paper manufacturing	20 413	1 058 638	16 095	35 322	769 244	4 957 895	4 688 815	9 584 588	408 006	2	1	4
323	Printing and related support activities	17 493	704 135	12 165	25 109	432 671	1 631 838	1 183 087	2 809 120	114 906	5	6	16
324	Petroleum and coal products manufacturing	1 262	58 691	1 020	2 138	45 419	417 095	824 736	1 236 731	16 576	7	21	29
325	Chemical manufacturing	21 349	1 021 108	13 444	28 117	554 212	6 004 062	6 295 939	12 403 275	309 586	3	3	5
326	Plastics and rubber products manufacturing	28 050	984 491	22 499	49 429	704 890	3 251 683	3 400 523	6 629 981	291 157	2	2	21
327	Nonmetallic mineral product manufacturing	18 742	737 362	14 332	31 361	526 751	2 159 372	1 826 562	3 977 277	214 078	3	1	3
331	Primary metal manufacturing .	4 769	178 935	3 990	9 216	133 891	510 996	1 723 931	2 216 387	26 000	1	1	1
332	Fabricated metal product manufacturing	28 798	999 242	21 670	44 030	653 103	2 617 959	2 898 067	5 443 488	123 369	2	2	4
333	Machinery manufacturing	21 653	862 854	14 291	28 782	468 299	3 211 573	4 491 467	7 599 164	164 245	4	3	23
334	Computer and electronic product manufacturing	10 491	532 733	5 086	11 078	184 122	1 203 890	1 519 207	2 722 418	41 224	4	6	7
335	Electrical equipment, appliance, and component manufacturing	16 299	625 622	12 614	25 852	418 929	1 990 469	3 645 294	5 612 935	107 441	3	2	3
336	Transportation equipment manufacturing	39 757	1 921 280	27 636	52 791	1 131 222	5 833 875	11 269 021	17 266 363	246 677	1	1	2
337	Furniture and related product manufacturing	13 966	413 360	11 292	22 499	295 085	1 125 321	935 564	2 062 954	25 434	3	2	9
339	Miscellaneous manufacturing .	15 982	658 700	10 421	21 495	368 127	2 110 817	1 516 591	3 612 348	116 795	4	2	11

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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
HAWAII													
31-33	Manufacturing	14 035	522 317	8 901	21 694	322 493	1 489 253	3 123 509	4 560 529	98 933	4	5	8
311	Food manufacturing	4 773	193 384	3 253	10 080	137 366	552 818	507 870	1 066 932	27 968	9	13	7
315	Apparel manufacturing	1 456	27 977	934	2 051	14 733	61 128	31 734	88 540	1 078	23	28	56
323	Printing and related support activities	1 569	51 311	875	1 740	28 768	114 241	63 265	176 659	5 348	5	6	45
327	Nonmetallic mineral product manufacturing	1 046	46 481	654	1 468	31 605	73 938	128 282	206 679	13 347	16	25	53
339	Miscellaneous manufacturing .	1 364	42 363	639	1 184	15 302	55 068	54 738	106 213	4 733	14	5	45
IDAHO													
31-33	Manufacturing	56 479	2 107 674	36 632	73 753	1 103 547	9 604 510	7 050 286	16 583 348	946 744	3	1	2
311	Food manufacturing	13 238	391 014	11 451	21 742	311 775	1 461 582	2 981 338	4 455 375	182 155	13	6	3
321	Wood product manufacturing .	7 019	223 840	6 025	12 652	177 979	675 909	1 181 649	1 853 536	59 401	5	4	8
322	Paper manufacturing	1 907	100 246	1 532	3 384	70 902	267 717	469 683	734 884	D	1	1	S
323	Printing and related support activities	1 659	46 734	1 059	1 904	26 463	109 405	59 334	166 759	4 127	3	5	26
325	Chemical manufacturing	1 552	73 222	1 041	2 272	47 039	379 452	428 572	802 844	29 129	1	1	1
326	Plastics and rubber products manufacturing	1 748	47 524	1 284	2 762	28 189	140 791	83 680	225 451	4 736	1	1	31
327	Nonmetallic mineral product manufacturing	1 395	55 472	1 051	2 482	40 491	125 383	114 674	235 876	11 629	3	6	28
332	Fabricated metal product manufacturing	3 456	119 999	2 667	5 061	82 842	294 051	180 867	475 000	18 331	6	8	24
333	Machinery manufacturing	1 828	85 012	1 217	2 436	43 147	180 716	156 706	345 101	5 781	10	5	11
334	Computer and electronic product manufacturing	15 552	739 972	4 054	8 265	136 272	5 338 768	814 164	6 076 414	589 494	1	1	3
336	Transportation equipment manufacturing	1 703	60 353	1 290	2 503	36 153	125 696	188 071	329 086	4 051	7	19	28
337	Furniture and related product manufacturing	2 051	60 267	1 667	3 256	42 140	126 047	98 522	224 467	8 179	3	3	45
339	Miscellaneous manufacturing .	1 858	53 601	1 284	3 012	33 002	246 471	68 973	301 507	3 422	9	23	18
ILLINOIS													
31-33	Manufacturing	676 061	29 166 378	466 252	976 036	16 846 122	102 970 803	108 908 741	210 042 943	5 822 503	1	1	1
311	Food manufacturing	80 454	2 851 826	59 980	125 360	1 880 882	14 362 426	18 251 450	32 669 143	699 341	3	2	6
312	Beverage and tobacco product manufacturing	3 393	136 956	1 909	3 880	82 622	1 689 647	868 907	2 570 419	77 904	1	1	1
314	Textile product mills	4 439	115 785	3 146	7 253	69 912	220 480	221 761	444 115	8 214	12	10	19
315	Apparel manufacturing	5 052	114 763	4 201	7 717	80 282	341 743	183 721	531 428	5 185	5	3	13
316	Leather and allied product manufacturing	2 192	66 331	1 728	3 308	41 273	211 185	126 905	338 950	4 673	1	1	2
321	Wood product manufacturing .	9 445	298 918	7 282	15 919	201 422	626 923	798 890	1 414 896	26 579	4	6	13
322	Paper manufacturing	21 326	873 513	16 169	34 602	549 816	2 351 474	2 937 616	5 286 921	126 916	1	1	6
323	Printing and related support activities	44 249	1 783 991	31 669	62 973	1 122 439	3 862 785	2 536 361	6 413 457	276 668	5	5	9
324	Petroleum and coal products manufacturing	4 647	330 841	2 761	5 810	157 539	2 925 337	15 239 594	18 109 509	453 627	1	1	5
325	Chemical manufacturing	49 396	2 951 869	25 740	55 931	1 315 703	16 552 748	12 484 141	28 221 796	1 185 125	1	1	1
326	Plastics and rubber products manufacturing	55 183	2 154 435	42 305	91 147	1 375 461	6 822 688	6 007 672	12 759 380	414 189	2	1	4
327	Nonmetallic mineral product manufacturing	17 740	805 033	13 002	28 478	509 603	2 258 239	1 798 226	4 042 063	208 868	2	2	5
331	Primary metal manufacturing .	26 210	1 214 570	20 468	43 145	844 941	4 774 731	5 698 870	10 392 822	227 396	2	12	14
332	Fabricated metal product manufacturing	103 818	4 243 745	76 955	168 482	2 792 788	10 541 944	8 168 675	18 620 038	536 739	1	2	8
333	Machinery manufacturing	84 390	3 915 641	52 647	112 096	2 155 330	13 635 834	12 775 223	26 085 461	445 077	1	1	3
334	Computer and electronic product manufacturing	36 599	1 827 174	18 010	35 001	596 873	6 378 007	4 486 716	10 860 614	192 682	2	4	12
335	Electrical equipment, appliance, and component manufacturing	31 002	1 246 067	20 487	39 268	621 310	3 604 031	3 021 600	6 601 869	130 353	2	2	3
336	Transportation equipment manufacturing	45 863	2 211 638	34 104	67 983	1 443 747	6 651 264	9 770 228	16 077 831	625 752	2	2	2
337	Furniture and related product manufacturing	19 234	672 943	13 724	27 880	401 312	1 423 894	1 271 002	2 694 898	34 129	2	4	9
339	Miscellaneous manufacturing .	30 552	1 321 913	19 243	38 519	583 531	3 672 478	2 184 534	5 760 264	140 678	4	3	5

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—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
INDIANA													
31-33	Manufacturing	534 942	23 343 286	403 781	837 447	15 916 604	86 548 953	98 032 234	183 563 979	5 195 582	1	1	1
311	Food manufacturing	31 693	1 064 735	23 238	46 023	707 779	6 016 517	7 581 676	13 611 979	325 834	2	1	4
312	Beverage and tobacco product manufacturing	1 410	61 114	980	2 079	41 731	1 020 628	874 969	1 880 870	21 730	3	1	9
314	Textile product mills	3 014	79 910	2 444	4 431	54 396	174 831	148 285	329 019	3 118	5	6	14
321	Wood product manufacturing .	21 090	666 036	16 986	34 694	476 213	1 426 555	2 051 254	3 451 640	82 175	2	2	15
322	Paper manufacturing	11 041	448 828	8 323	17 784	297 470	1 321 828	1 836 008	3 148 498	56 148	2	2	6
323	Printing and related support activities	18 765	670 335	13 945	26 582	444 377	1 593 407	1 214 060	2 819 913	92 983	2	2	15
324	Petroleum and coal products manufacturing	2 618	151 633	1 817	4 057	94 636	887 375	4 654 895	5 525 843	116 819	2	1	2
325	Chemical manufacturing	22 012	1 273 878	13 200	28 350	673 534	12 749 494	4 953 114	17 552 502	825 187	2	1	1
326	Plastics and rubber products manufacturing	45 581	1 577 259	36 807	74 338	1 131 824	4 373 036	4 191 584	8 569 010	345 947	2	2	7
327	Nonmetallic mineral product manufacturing	16 242	674 726	12 834	26 862	489 308	1 957 197	1 570 950	3 510 009	139 331	4	2	6
331	Primary metal manufacturing .	45 220	2 610 671	36 123	82 697	1 997 171	9 407 120	15 054 919	24 151 487	576 507	1	1	2
332	Fabricated metal product manufacturing	58 816	2 228 368	44 879	93 318	1 515 874	6 967 142	5 643 372	12 523 855	431 696	2	2	8
333	Machinery manufacturing	38 362	1 665 005	27 185	55 742	1 043 107	4 875 683	6 835 647	11 637 381	215 107	2	2	5
334	Computer and electronic product manufacturing	14 663	658 258	9 623	20 307	333 793	1 806 275	1 553 198	3 348 185	88 095	3	2	5
335	Electrical equipment, appliance, and component manufacturing	12 911	541 127	10 112	19 512	385 218	1 280 190	1 487 465	2 767 945	58 987	1	1	2
336	Transportation equipment manufacturing	139 699	7 129 950	106 870	222 482	5 063 378	23 652 044	34 401 396	57 766 028	1 502 290	1	1	1
337	Furniture and related product manufacturing	25 341	796 710	20 383	42 118	588 439	1 957 174	2 103 118	4 034 101	86 505	3	2	5
339	Miscellaneous manufacturing .	24 686	1 000 168	16 637	33 318	547 861	4 911 276	1 793 511	6 686 866	220 583	2	1	18
IOWA													
31-33	Manufacturing	217 229	8 496 177	157 675	326 297	5 378 906	36 687 685	43 173 713	79 469 973	1 500 433	1	1	2
311	Food manufacturing	49 239	1 742 358	39 085	85 003	1 248 794	10 288 289	17 863 377	28 137 809	451 588	1	3	3
312	Beverage and tobacco product manufacturing	1 828	67 269	494	1 135	20 339	516 874	301 939	820 098	10 572	1	1	1
314	Textile product mills	1 161	36 086	739	1 030	13 644	140 443	107 910	244 841	8 625	6	10	1
315	Apparel manufacturing	2 013	49 063	1 442	2 736	29 678	111 512	117 187	220 443	2 107	5	5	1
321	Wood product manufacturing .	10 578	387 369	8 322	18 834	267 563	937 637	724 409	1 660 035	38 571	6	8	11
322	Paper manufacturing	3 894	155 099	3 088	6 435	109 837	806 937	583 118	1 393 213	40 889	2	5	1
323	Printing and related support activities	10 665	336 199	6 379	11 341	178 796	834 341	526 614	1 374 888	78 352	16	12	26
325	Chemical manufacturing	6 429	338 936	4 146	8 759	188 078	5 348 483	4 040 523	9 244 372	104 708	3	1	4
326	Plastics and rubber products manufacturing	15 004	553 238	12 168	24 628	404 029	1 364 381	1 568 437	2 933 318	86 847	1	1	10
327	Nonmetallic mineral product manufacturing	6 461	236 154	5 229	11 436	179 660	1 189 887	695 106	1 879 300	75 472	4	1	5
331	Primary metal manufacturing .	8 078	417 594	6 312	14 294	298 870	1 173 293	2 079 800	3 166 308	76 584	3	4	14
332	Fabricated metal product manufacturing	19 804	725 822	15 355	31 041	507 750	1 960 877	1 628 353	3 541 237	86 629	3	3	8
333	Machinery manufacturing	31 014	1 432 235	20 233	41 213	837 371	6 336 496	7 466 165	13 726 026	185 786	1	1	3
334	Computer and electronic product manufacturing	10 119	536 228	3 086	5 268	117 952	1 441 949	660 700	2 091 720	54 443	2	1	1
335	Electrical equipment, appliance, and component manufacturing	10 704	407 469	7 806	13 950	250 434	1 334 930	1 483 399	2 833 447	65 337	2	1	1
336	Transportation equipment manufacturing	16 410	597 232	13 196	26 441	400 073	1 569 054	2 230 417	3 770 940	81 161	3	3	5
337	Furniture and related product manufacturing	8 257	287 696	6 628	14 776	213 516	893 038	645 270	1 538 273	23 282	2	1	4
339	Miscellaneous manufacturing .	4 865	168 085	3 416	6 930	97 067	367 872	329 852	701 396	23 811	5	7	8

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—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
KANSAS													
31-33	Manufacturing	167 982	6 937 020	117 307	243 427	4 164 870	22 108 095	34 121 599	56 464 687	1 546 074	1	1	2
311	Food manufacturing	30 574	918 509	24 827	52 385	665 503	3 637 198	11 046 418	14 704 238	229 722	1	2	3
314	Textile product mills	1 133	34 336	839	1 842	20 014	62 262	74 449	139 976	1 604	2	1	22
321	Wood product manufacturing .	2 285	62 660	1 747	3 244	39 440	125 310	146 406	267 468	2 970	2	5	9
322	Paper manufacturing	2 507	96 368	1 787	3 773	65 599	199 475	311 995	511 173	31 316	17	27	38
323	Printing and related support activities	10 511	369 212	7 431	14 183	225 520	927 145	709 972	1 637 657	27 968	2	1	8
324	Petroleum and coal products manufacturing	1 802	104 934	1 126	2 392	63 991	217 378	4 056 650	4 286 878	193 801	2	5	1
325	Chemical manufacturing	6 667	353 079	4 163	8 909	190 219	2 057 356	1 657 466	3 654 756	122 843	1	2	11
326	Plastics and rubber products manufacturing	11 632	435 765	9 782	20 152	329 553	1 345 400	1 386 543	2 764 369	77 112	2	1	3
327	Nonmetallic mineral product manufacturing	5 210	219 207	4 062	9 259	160 308	884 423	551 395	1 438 552	84 124	6	3	5
331	Primary metal manufacturing .	2 559	86 089	2 107	4 278	65 654	207 984	220 842	420 444	7 835	2	4	3
332	Fabricated metal product manufacturing	13 598	483 794	9 941	20 630	307 564	1 202 414	1 108 357	2 289 544	101 462	3	3	17
333	Machinery manufacturing	17 677	710 873	11 786	24 898	393 457	2 310 218	2 218 476	4 413 659	86 586	2	3	11
334	Computer and electronic product manufacturing	5 981	319 520	2 650	5 182	109 555	930 074	1 026 956	1 944 397	145 879	2	4	1
335	Electrical equipment, appliance, and component manufacturing	3 856	154 216	2 833	5 777	96 321	462 778	465 189	925 946	30 094	1	2	5
336	Transportation equipment manufacturing	40 982	2 239 227	24 250	50 221	1 220 195	6 780 294	8 385 371	15 553 902	363 344	1	1	3
337	Furniture and related product manufacturing	5 307	161 690	4 203	8 502	111 965	361 795	253 864	608 464	12 782	6	6	11
339	Miscellaneous manufacturing .	4 666	152 560	3 125	6 535	83 313	312 760	217 548	534 928	13 911	2	7	36
KENTUCKY													
31-33	Manufacturing	246 749	10 344 924	187 621	382 472	6 939 076	36 518 585	60 934 622	97 253 993	2 239 998	1	1	3
311	Food manufacturing	22 863	730 046	17 400	36 215	496 977	3 252 533	4 315 111	7 646 574	180 709	1	1	2
312	Beverage and tobacco product manufacturing	3 734	171 716	2 173	4 750	86 652	1 214 633	910 545	2 119 235	50 099	7	1	2
313	Textile mills	g	D	D	D	D	D	D	D	D	S	S	S
314	Textile product mills	2 476	59 697	1 767	2 950	38 481	133 450	131 072	271 259	D	1	6	S
315	Apparel manufacturing	7 026	111 118	6 186	11 266	86 801	470 075	277 477	751 322	D	4	8	S
321	Wood product manufacturing .	12 515	329 007	10 713	21 690	251 408	794 239	1 124 502	1 924 884	68 431	5	9	12
322	Paper manufacturing	10 024	458 899	7 975	17 417	319 389	1 918 232	2 482 784	4 418 904	107 529	5	2	9
323	Printing and related support activities	13 115	479 703	10 113	20 029	331 899	1 211 409	680 845	1 884 190	74 274	2	10	8
324	Petroleum and coal products manufacturing	g	D	D	D	D	D	D	D	D	S	S	S
325	Chemical manufacturing	12 521	739 002	8 201	16 910	441 771	3 559 329	4 428 011	7 984 079	245 405	3	5	7
326	Plastics and rubber products manufacturing	18 858	638 241	15 068	30 997	442 871	1 884 805	2 077 920	3 932 412	185 040	2	3	35
327	Nonmetallic mineral product manufacturing	8 759	350 825	6 933	14 764	250 204	1 362 730	1 013 452	2 379 156	178 069	4	4	11
331	Primary metal manufacturing .	13 678	634 640	11 136	23 288	477 365	3 122 498	6 215 912	9 178 266	169 225	1	2	1
332	Fabricated metal product manufacturing	21 442	794 193	15 783	32 284	510 737	2 052 741	2 046 089	4 128 499	147 198	4	2	4
333	Machinery manufacturing	17 535	710 472	11 982	23 748	395 297	1 728 027	2 421 299	4 075 529	51 083	2	1	4
334	Computer and electronic product manufacturing	6 778	568 346	1 520	2 959	44 184	1 331 852	1 901 785	3 248 344	67 843	1	1	12
335	Electrical equipment, appliance, and component manufacturing	9 742	407 404	7 855	16 298	299 089	1 192 529	1 455 235	2 646 608	51 794	2	1	1
336	Transportation equipment manufacturing	50 032	2 626 419	41 325	84 448	2 140 284	9 631 684	24 679 868	34 220 297	511 866	1	1	4
337	Furniture and related product manufacturing	5 357	147 104	4 211	7 736	100 322	357 318	324 424	681 210	10 049	3	2	4
339	Miscellaneous manufacturing .	6 798	242 473	4 567	9 253	128 844	599 744	455 018	1 073 619	32 578	6	5	13

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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
LOUISIANA													
31-33	Manufacturing	140 985	6 704 979	103 159	219 457	4 367 244	43 393 135	81 844 136	124 304 916	2 963 710	1	1	1
311	Food manufacturing	17 768	517 504	12 995	25 298	316 587	3 317 082	3 266 208	6 601 244	144 657	2	3	7
312	Beverage and tobacco product manufacturing	998	40 999	363	1 086	17 090	208 417	351 660	561 704	8 631	10	7	18
314	Textile product mills	1 075	24 309	895	1 550	16 565	45 491	58 243	103 685	235	1	4	10
315	Apparel manufacturing	1 246	26 184	1 001	1 894	16 996	45 556	41 023	86 878	617	1	1	1
321	Wood product manufacturing .	8 032	265 217	7 045	16 404	220 275	883 391	1 368 449	2 247 891	74 216	3	5	6
322	Paper manufacturing	8 680	491 040	6 964	15 837	350 967	2 083 774	2 360 069	4 456 284	201 159	1	1	1
323	Printing and related support activities	3 271	107 866	2 346	4 239	65 940	228 631	133 617	363 360	8 816	3	5	39
324	Petroleum and coal products manufacturing	8 504	774 905	5 352	13 265	431 011	14 211 198	39 465 398	53 365 091	1 291 259	1	1	2
325	Chemical manufacturing	22 903	1 630 525	14 458	31 914	962 983	15 201 584	25 301 313	39 911 648	863 105	1	1	1
326	Plastics and rubber products manufacturing	4 660	156 895	3 514	7 764	101 119	489 815	549 231	1 035 945	26 383	3	5	12
327	Nonmetallic mineral product manufacturing	5 536	199 699	4 418	8 952	148 651	522 017	417 977	953 670	39 942	4	6	9
331	Primary metal manufacturing .	2 279	99 605	1 680	4 084	67 065	299 227	508 452	810 500	9 982	1	1	1
332	Fabricated metal product manufacturing	19 992	793 515	15 284	32 515	540 472	1 732 645	1 620 048	3 306 802	77 498	3	6	16
333	Machinery manufacturing	8 534	340 647	6 442	13 381	224 512	766 381	937 015	1 709 641	47 315	3	3	5
334	Computer and electronic product manufacturing	1 161	57 596	607	1 240	20 336	134 682	87 279	224 131	6 386	4	2	5
335	Electrical equipment, appliance, and component manufacturing	1 305	56 801	1 036	2 260	40 887	136 695	134 954	272 495	19 565	1	1	1
336	Transportation equipment manufacturing	19 184	940 776	14 788	29 484	713 851	2 598 682	4 774 790	7 369 596	116 507	1	1	10
337	Furniture and related product manufacturing	1 307	40 592	818	1 793	21 698	130 670	79 082	209 194	1 971	6	40	31
339	Miscellaneous manufacturing .	4 028	124 771	2 705	5 753	77 993	346 317	362 258	673 501	25 185	4	5	3
MAINE													
31-33	Manufacturing	57 991	2 316 607	42 472	84 513	1 521 386	7 248 306	6 406 593	13 656 976	540 439	2	1	2
311	Food manufacturing	7 708	251 645	5 206	8 415	135 581	847 799	791 063	1 623 902	54 573	6	4	3
313	Textile mills	1 482	48 489	1 137	2 042	31 537	139 774	180 146	309 174	4 496	2	4	14
314	Textile product mills	1 335	41 293	932	1 896	25 254	85 641	88 932	179 966	5 835	7	2	9
316	Leather and allied product manufacturing	1 979	62 142	1 612	3 088	44 638	184 469	150 022	343 264	4 317	1	1	1
321	Wood product manufacturing .	5 700	183 615	4 452	9 508	125 182	604 477	643 452	1 240 100	43 885	4	3	8
322	Paper manufacturing	8 454	489 690	6 800	14 832	373 381	1 655 620	1 915 473	3 601 317	202 485	1	1	1
323	Printing and related support activities	2 661	94 645	2 003	4 113	64 714	175 250	158 675	334 053	9 632	1	1	10
325	Chemical manufacturing	1 070	48 307	659	1 369	23 594	131 728	98 443	234 806	7 642	1	1	1
326	Plastics and rubber products manufacturing	2 147	74 401	1 595	3 288	47 333	297 970	222 820	519 779	9 397	3	1	2
327	Nonmetallic mineral product manufacturing	1 468	46 528	1 154	2 244	30 474	148 133	77 541	227 855	17 468	9	10	21
332	Fabricated metal product manufacturing	3 996	164 370	2 978	6 076	102 407	394 232	331 958	710 573	28 898	9	8	24
333	Machinery manufacturing	2 007	81 995	1 298	2 737	44 489	224 158	159 395	380 418	3 753	1	1	1
334	Computer and electronic product manufacturing	3 287	167 160	2 233	4 674	96 239	489 075	266 022	760 719	99 614	1	1	1
336	Transportation equipment manufacturing	9 005	373 078	6 618	12 543	270 362	1 138 348	877 377	2 019 111	17 360	1	1	2
337	Furniture and related product manufacturing	1 644	55 169	1 080	2 367	30 755	101 079	89 322	185 725	3 321	10	15	17
339	Miscellaneous manufacturing .	2 117	59 751	1 426	2 797	30 233	117 763	73 256	193 308	6 196	28	35	34

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

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NAICS code	Geographic area and subsector	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
MARYLAND													
31-33	Manufacturing	135 773	6 309 453	85 668	173 420	3 143 085	19 130 868	17 410 251	36 489 611	923 571	1	1	4
311	Food manufacturing	14 147	471 262	10 187	22 725	293 931	2 758 849	2 746 981	5 477 730	76 459	4	1	4
312	Beverage and tobacco product manufacturing	1 534	68 128	855	2 038	34 495	237 621	582 902	820 814	22 030	5	15	10
313	Textile mills	1 801	77 699	1 202	2 353	36 908	294 896	162 401	457 797	8 239	13	2	5
314	Textile product mills	1 232	35 119	912	1 873	22 449	161 350	291 348	454 566	994	5	4	31
315	Apparel manufacturing	1 766	41 252	1 454	3 327	29 554	72 587	84 433	157 699	1 377	1	9	40
321	Wood product manufacturing .	4 761	152 649	3 631	7 613	100 910	379 874	613 880	1 006 340	19 740	2	8	19
322	Paper manufacturing	5 069	205 104	4 039	8 576	145 527	460 869	689 282	1 156 247	32 251	4	4	19
323	Printing and related support activities	15 322	556 758	11 195	19 833	356 044	1 082 456	855 783	1 937 040	107 913	6	11	16
325	Chemical manufacturing	9 626	528 906	5 694	10 317	290 958	3 346 813	1 669 452	4 990 519	131 987	3	3	21
326	Plastics and rubber products manufacturing	6 851	270 801	5 169	10 977	175 598	802 025	653 603	1 453 256	59 058	3	3	9
327	Nonmetallic mineral product manufacturing	4 962	211 415	3 497	7 633	138 052	703 278	548 598	1 247 955	56 536	4	4	13
331	Primary metal manufacturing .	h	D	D	D	D	D	D	D	D	S	S	S
332	Fabricated metal product manufacturing	12 297	490 015	8 699	17 662	299 561	1 342 476	832 768	2 175 603	89 828	4	5	12
333	Machinery manufacturing	8 224	435 155	5 003	10 058	218 175	1 025 504	1 120 986	2 156 708	45 933	11	10	12
334	Computer and electronic product manufacturing	23 880	1 653 434	6 897	13 593	293 205	3 526 743	2 243 499	5 839 611	160 952	2	2	2
335	Electrical equipment, appliance, and component manufacturing	1 542	71 798	894	2 020	31 215	111 399	100 772	217 647	3 504	10	1	9
336	Transportation equipment manufacturing	6 793	332 949	4 880	9 221	214 073	858 668	1 547 824	2 394 395	24 900	1	1	1
337	Furniture and related product manufacturing	4 974	167 085	3 499	7 220	101 930	361 760	292 403	648 820	8 350	4	7	20
339	Miscellaneous manufacturing .	5 979	238 220	3 988	7 953	124 254	587 861	338 278	926 519	21 446	2	4	13
MASSACHUSETTS													
31-33	Manufacturing	302 263	14 895 421	179 747	371 939	6 560 964	45 009 540	31 986 108	76 538 427	2 490 518	1	1	3
311	Food manufacturing	21 120	774 734	13 743	27 361	414 334	2 776 270	3 274 661	6 053 183	177 321	5	2	6
312	Beverage and tobacco product manufacturing	2 287	112 497	1 107	2 346	50 243	518 183	455 025	966 617	23 904	3	1	7
313	Textile mills	8 555	305 853	6 358	14 320	184 231	596 072	762 034	1 355 276	32 697	3	4	2
314	Textile product mills	3 650	114 732	2 720	6 140	64 671	324 672	249 041	570 226	12 726	6	5	9
315	Apparel manufacturing	3 664	90 563	2 929	5 212	57 989	171 432	188 997	355 213	3 312	9	9	14
316	Leather and allied product manufacturing	1 812	66 871	1 241	2 444	29 567	93 100	90 076	188 109	1 464	8	4	11
321	Wood product manufacturing .	3 455	117 962	2 405	5 116	70 466	238 343	409 622	639 490	10 141	1	6	24
322	Paper manufacturing	13 430	592 192	9 686	22 135	374 363	1 510 085	1 745 610	3 261 050	102 255	3	3	15
323	Printing and related support activities	15 257	603 403	10 557	19 843	367 532	1 276 337	807 411	2 084 805	116 800	4	5	25
325	Chemical manufacturing	23 305	1 501 474	10 354	21 533	483 941	6 270 323	3 158 949	9 254 894	545 708	1	1	3
326	Plastics and rubber products manufacturing	15 568	633 384	11 480	23 786	390 955	1 726 701	1 394 788	3 105 580	127 201	5	3	7
327	Nonmetallic mineral product manufacturing	8 097	329 611	5 215	10 893	188 562	742 789	511 054	1 228 533	51 398	3	3	7
331	Primary metal manufacturing .	4 066	178 706	2 942	6 147	114 790	488 341	578 010	1 048 402	11 949	7	4	8
332	Fabricated metal product manufacturing	34 054	1 528 223	24 026	50 787	934 019	3 616 044	2 219 388	5 823 277	193 190	2	2	6
333	Machinery manufacturing	23 887	1 327 613	13 294	26 808	529 298	3 049 380	2 323 832	5 263 970	121 581	3	5	8
334	Computer and electronic product manufacturing	58 806	3 766 385	25 353	52 784	999 158	12 954 988	7 883 765	20 757 010	631 032	3	2	11
335	Electrical equipment, appliance, and component manufacturing	13 689	634 751	7 035	14 429	268 964	1 570 538	1 279 498	2 846 860	64 053	4	5	9
336	Transportation equipment manufacturing	9 323	597 079	5 814	10 965	276 720	2 177 252	1 862 360	4 051 741	72 107	2	1	6
337	Furniture and related product manufacturing	5 959	216 127	3 888	8 352	122 250	440 180	414 196	848 434	17 649	15	15	13
339	Miscellaneous manufacturing .	31 425	1 354 387	19 006	39 234	607 924	4 296 393	2 143 361	6 437 811	162 026	2	2	5

See footnotes at end of table.

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		A	B	C	D	E					F	G	H
MICHIGAN													
31-33	Manufacturing	651 947	32 547 627	478 466	998 382	21 733 072	93 659 270	127 335 849	220 454 536	5 570 609	1	1	1
311	Food manufacturing	27 533	1 022 694	19 858	39 354	660 330	5 972 084	5 696 019	11 659 902	246 770	2	2	6
312	Beverage and tobacco product manufacturing	3 718	150 318	1 743	3 768	64 022	933 835	1 028 885	1 956 989	80 028	6	2	32
314	Textile product mills	1 816	54 788	1 326	2 796	29 946	140 766	123 327	268 794	5 872	8	4	14
316	Leather and allied product manufacturing	1 626	46 508	1 304	2 402	31 383	94 166	135 440	228 138	2 986	3	4	1
321	Wood product manufacturing .	10 876	372 543	8 236	17 902	246 281	1 010 466	1 311 956	2 310 430	61 349	3	4	12
322	Paper manufacturing	13 492	617 300	10 238	20 987	406 390	2 121 026	2 437 684	4 531 769	146 813	3	3	10
323	Printing and related support activities	18 668	717 433	12 731	24 283	427 727	1 590 758	952 362	2 543 535	106 736	3	2	12
324	Petroleum and coal products manufacturing	1 386	79 127	728	1 550	34 841	450 452	1 513 236	1 949 463	D	6	2	S
325	Chemical manufacturing	29 256	1 745 593	16 745	33 992	838 562	7 252 941	4 901 685	11 823 082	396 760	1	1	5
326	Plastics and rubber products manufacturing	60 688	2 119 215	45 689	93 541	1 333 753	5 121 448	4 930 281	10 008 523	348 246	3	3	9
327	Nonmetallic mineral product manufacturing	15 272	676 764	11 362	25 470	431 086	2 173 478	1 657 185	3 818 736	158 541	2	3	8
331	Primary metal manufacturing .	28 527	1 442 602	22 484	48 235	1 059 245	3 461 640	5 684 536	9 102 152	243 721	1	3	2
332	Fabricated metal product manufacturing	82 746	3 335 940	60 331	130 021	2 116 011	8 073 273	5 974 094	14 024 283	421 046	2	2	6
333	Machinery manufacturing	75 818	4 039 087	47 854	103 654	2 159 858	9 053 526	8 453 916	17 549 254	417 723	2	2	5
334	Computer and electronic product manufacturing	17 480	929 271	10 532	23 290	434 952	1 908 042	2 273 879	4 186 437	72 703	1	1	4
335	Electrical equipment, appliance, and component manufacturing	12 085	455 576	8 950	16 407	276 703	1 081 958	1 614 476	2 710 395	50 694	8	5	4
336	Transportation equipment manufacturing	202 998	12 753 677	167 690	348 992	10 184 635	36 851 289	74 751 165	111 568 258	2 475 834	2	1	2
337	Furniture and related product manufacturing	29 664	1 222 375	19 086	38 410	645 220	4 505 557	2 628 407	7 122 561	76 554	2	1	7
339	Miscellaneous manufacturing .	16 685	719 023	10 315	20 935	321 389	1 739 630	1 101 176	2 805 450	95 044	2	3	11
MINNESOTA													
31-33	Manufacturing	325 601	14 210 871	214 788	445 240	7 630 683	43 707 052	45 014 840	88 472 002	2 455 046	1	1	2
311	Food manufacturing	42 337	1 513 245	32 182	71 306	1 002 028	5 887 997	10 915 847	16 841 308	337 850	2	2	5
312	Beverage and tobacco product manufacturing	1 463	53 203	961	1 410	22 945	202 337	455 626	658 203	20 703	1	1	1
314	Textile product mills	1 497	33 251	1 185	2 404	25 510	92 022	67 782	163 435	5 617	8	10	49
315	Apparel manufacturing	1 481	31 818	1 136	2 046	20 813	64 071	42 463	107 091	2 359	7	5	40
316	Leather and allied product manufacturing	1 295	54 812	983	1 998	33 621	99 740	167 124	278 420	1 490	1	1	1
321	Wood product manufacturing .	17 203	703 275	12 954	25 278	479 345	2 013 843	1 882 774	3 889 242	143 568	1	2	27
322	Paper manufacturing	12 410	587 131	9 598	20 760	406 513	2 089 385	1 934 436	4 030 429	103 264	1	1	8
323	Printing and related support activities	29 224	1 161 185	19 967	39 438	701 867	2 716 849	1 590 412	4 290 791	166 877	2	2	8
324	Petroleum and coal products manufacturing	1 770	126 790	1 057	2 629	73 652	1 311 968	5 252 309	6 520 338	150 705	5	1	1
325	Chemical manufacturing	7 660	390 740	4 200	8 355	158 928	1 772 214	1 441 976	3 189 986	85 139	1	6	16
326	Plastics and rubber products manufacturing	17 359	598 630	12 708	25 603	356 133	1 818 076	1 252 398	3 036 587	73 266	3	2	9
327	Nonmetallic mineral product manufacturing	9 826	400 751	6 979	16 312	256 933	1 212 026	662 787	1 860 399	69 073	2	1	4
331	Primary metal manufacturing .	6 983	290 686	5 344	11 252	200 261	713 648	798 744	1 481 188	33 135	1	3	8
332	Fabricated metal product manufacturing	39 238	1 768 211	27 531	58 340	1 053 990	4 233 509	3 172 451	7 357 201	231 356	2	2	10
333	Machinery manufacturing	31 238	1 472 386	18 790	38 566	722 959	3 810 041	3 238 355	7 060 783	153 584	1	2	5
334	Computer and electronic product manufacturing	44 845	2 631 477	20 519	43 747	838 409	7 687 805	4 248 045	11 898 978	456 265	1	1	3
335	Electrical equipment, appliance, and component manufacturing	10 913	455 326	7 091	14 247	257 943	1 608 227	1 689 758	3 281 979	146 150	3	3	3
336	Transportation equipment manufacturing	15 325	592 521	11 489	21 821	406 870	2 752 002	4 392 110	7 105 642	94 218	3	6	14
337	Furniture and related product manufacturing	11 952	423 633	8 650	16 958	261 174	943 413	641 279	1 581 511	40 058	1	2	10
339	Miscellaneous manufacturing .	21 235	910 221	11 193	22 240	343 235	2 651 454	1 137 511	3 779 600	138 313	3	3	4

See footnotes at end of table.

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		A	B	C	D	E					F	G	H	I
	MISSISSIPPI													
31-33	Manufacturing	169 947	5 545 702	134 189	268 267	3 836 346	18 201 313	25 728 246	43 862 224	1 271 939	1	1	2	
311	Food manufacturing	28 815	655 124	25 274	50 011	514 961	2 767 419	3 038 699	5 798 369	112 267	2	4	6	
313	Textile mills	1 094	38 287	938	1 870	28 873	105 894	154 851	257 654	23 430	1	1	1	
314	Textile product mills	2 079	51 956	1 755	3 771	38 657	125 341	220 795	352 186	8 713	15	3	11	
315	Apparel manufacturing	4 433	86 557	3 313	5 774	51 880	273 638	315 152	595 792	4 064	7	7	16	
321	Wood product manufacturing .	11 894	368 544	9 934	22 209	278 319	1 261 403	1 481 603	2 718 090	110 637	3	3	24	
322	Paper manufacturing	5 177	266 813	3 999	8 652	173 493	1 147 775	1 177 372	2 342 916	78 595	4	1	6	
323	Printing and related support activities	3 176	109 746	2 156	5 380	70 740	264 728	190 481	455 490	19 561	8	14	47	
324	Petroleum and coal products manufacturing	1 886	125 693	1 255	2 131	83 710	423 112	3 016 585	3 412 021	88 443	2	1	2	
325	Chemical manufacturing	6 562	308 797	4 606	8 613	183 400	2 317 482	2 481 324	4 832 088	136 378	1	1	1	
326	Plastics and rubber products manufacturing	9 319	328 185	7 786	15 889	247 371	1 062 640	1 233 038	2 282 122	53 630	3	2	14	
327	Nonmetallic mineral product manufacturing	4 252	146 186	3 369	6 797	106 234	454 771	352 279	806 280	28 884	4	4	7	
331	Primary metal manufacturing .	2 806	109 604	2 376	5 221	86 094	286 774	1 028 572	1 312 008	19 392	1	4	1	
332	Fabricated metal product manufacturing	11 532	390 577	9 118	18 133	271 289	1 045 836	1 256 999	2 286 409	54 143	4	3	5	
333	Machinery manufacturing	9 327	352 089	7 037	15 745	232 327	1 123 492	1 182 688	2 324 097	41 524	4	6	10	
334	Computer and electronic product manufacturing	2 046	68 931	1 188	2 536	24 955	173 983	116 291	311 762	6 099	1	1	1	
335	Electrical equipment, appliance, and component manufacturing	8 905	287 833	7 290	14 644	195 777	610 860	1 081 245	1 691 195	35 084	2	3	1	
336	Transportation equipment manufacturing	25 689	1 003 423	19 568	36 104	670 367	2 528 525	5 195 420	7 694 334	380 843	1	1	1	
337	Furniture and related product manufacturing	26 292	709 476	20 094	38 675	502 486	1 807 974	1 880 304	3 678 041	57 744	2	1	1	
339	Miscellaneous manufacturing .	4 178	124 253	2 907	5 706	69 380	385 248	212 466	564 382	11 049	2	11	35	
	MISSOURI													
31-33	Manufacturing	302 906	12 706 557	228 857	447 566	8 333 123	44 782 707	57 995 948	102 803 817	2 350 522	1	1	2	
311	Food manufacturing	37 306	1 190 445	29 642	59 901	856 452	6 624 164	7 888 202	14 572 882	403 793	1	5	4	
312	Beverage and tobacco product manufacturing	3 091	179 449	1 920	4 741	102 495	1 339 457	1 096 416	2 443 544	99 626	7	1	3	
314	Textile product mills	1 724	46 830	1 381	3 025	30 732	132 966	115 260	254 255	2 071	10	6	14	
315	Apparel manufacturing	3 940	82 224	3 454	6 031	57 574	161 554	128 204	298 892	6 860	11	7	16	
316	Leather and allied product manufacturing	1 670	41 182	1 453	2 716	32 164	104 883	288 021	389 966	8 466	7	5	1	
321	Wood product manufacturing .	8 174	217 836	6 625	13 525	158 380	518 016	690 468	1 210 585	34 968	9	10	18	
322	Paper manufacturing	9 760	402 894	7 627	16 323	295 036	2 176 572	1 777 301	3 943 928	203 174	1	2	3	
323	Printing and related support activities	16 356	631 420	11 992	23 276	404 746	1 511 072	951 319	2 453 891	179 347	4	2	10	
324	Petroleum and coal products manufacturing	1 206	74 512	801	2 276	46 512	323 470	402 620	713 094	17 864	5	5	3	
325	Chemical manufacturing	15 236	798 137	9 327	18 968	378 534	8 462 290	4 835 863	13 137 338	281 371	12	2	15	
326	Plastics and rubber products manufacturing	20 539	700 846	15 510	31 767	463 132	2 234 846	2 862 041	5 053 367	156 398	3	4	13	
327	Nonmetallic mineral product manufacturing	9 073	349 166	7 137	14 270	254 238	1 216 176	891 251	2 107 858	105 922	4	2	7	
331	Primary metal manufacturing .	9 616	367 933	7 636	15 789	269 023	1 149 600	1 681 167	2 831 002	55 169	1	1	2	
332	Fabricated metal product manufacturing	31 053	1 183 719	22 690	48 068	772 320	2 986 438	2 261 096	5 226 783	128 749	3	3	7	
333	Machinery manufacturing	32 513	1 307 140	21 676	42 805	686 428	2 979 886	3 033 050	6 219 384	150 751	1	1	6	
334	Computer and electronic product manufacturing	8 385	379 940	5 336	9 777	189 037	1 579 200	808 583	2 376 746	20 396	1	1	4	
335	Electrical equipment, appliance, and component manufacturing	13 490	511 885	10 424	20 835	334 316	1 661 451	1 419 680	3 075 755	62 643	4	2	9	
336	Transportation equipment manufacturing	55 659	3 453 172	46 554	78 102	2 519 614	7 620 077	25 499 382	33 158 397	361 944	1	1	2	
337	Furniture and related product manufacturing	11 614	360 012	9 281	18 586	257 088	871 121	662 073	1 522 425	31 986	3	6	14	
339	Miscellaneous manufacturing .	11 978	414 980	7 932	15 914	215 811	1 102 644	671 829	1 754 004	37 975	4	4	8	

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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
MONTANA													
31-33	Manufacturing	17 311	664 859	12 709	25 335	423 452	2 386 445	4 136 879	6 468 831	193 115	4	2	3
311	Food manufacturing	2 464	81 157	1 547	2 973	46 444	289 346	391 687	666 718	15 555	1	1	3
321	Wood product manufacturing .	4 109	147 640	3 568	7 253	121 125	420 187	540 071	960 445	25 102	3	6	18
327	Nonmetallic mineral product manufacturing	1 405	35 793	1 093	2 280	24 700	132 443	81 091	216 365	7 878	37	10	28
332	Fabricated metal product manufacturing	1 386	48 872	1 008	1 978	32 505	103 583	93 501	196 782	2 478	1	2	7
333	Machinery manufacturing	1 079	48 438	654	1 157	17 370	128 190	62 122	183 426	7 567	1	1	1
339	Miscellaneous manufacturing .	1 447	44 878	976	1 944	25 239	107 862	67 272	171 756	3 732	1	11	35
NEBRASKA													
31-33	Manufacturing	99 706	3 532 982	76 578	158 510	2 392 902	12 476 994	22 072 336	34 433 980	617 981	1	1	3
311	Food manufacturing	36 190	1 131 553	29 537	62 955	847 596	4 239 880	14 812 875	19 037 374	202 799	1	1	8
321	Wood product manufacturing .	2 260	66 375	1 782	3 840	45 225	123 991	178 435	300 895	8 432	10	10	35
322	Paper manufacturing	1 644	62 481	1 272	2 820	42 664	196 239	280 298	473 704	17 560	1	1	1
323	Printing and related support activities	4 657	164 751	3 391	6 432	103 163	332 771	283 838	617 811	51 951	5	2	8
325	Chemical manufacturing	3 499	174 170	2 477	5 129	100 385	1 139 174	814 738	1 904 936	64 804	1	1	9
326	Plastics and rubber products manufacturing	5 159	184 551	4 078	8 509	129 985	430 439	498 683	942 641	30 997	9	7	6
327	Nonmetallic mineral product manufacturing	2 646	98 488	2 141	4 667	72 511	335 617	250 848	584 585	13 995	9	6	19
331	Primary metal manufacturing .	1 132	66 116	932	1 845	52 541	212 389	364 519	575 479	8 360	1	1	1
332	Fabricated metal product manufacturing	8 306	307 681	6 112	13 199	197 359	838 738	709 756	1 526 067	33 093	3	2	10
333	Machinery manufacturing	8 590	350 037	5 617	12 119	196 438	841 876	1 234 525	2 061 987	58 598	3	4	8
334	Computer and electronic product manufacturing	4 781	177 845	2 706	5 425	86 074	571 763	328 385	899 679	19 548	1	1	1
335	Electrical equipment, appliance, and component manufacturing	3 781	139 819	2 890	5 992	91 123	598 616	307 591	906 805	13 212	1	1	1
336	Transportation equipment manufacturing	7 841	291 760	6 508	11 437	214 624	852 394	1 195 136	2 034 119	43 821	1	1	8
337	Furniture and related product manufacturing	2 802	92 096	2 156	4 169	61 256	314 768	186 302	493 600	5 747	1	2	20
339	Miscellaneous manufacturing .	5 025	181 518	4 070	8 158	129 597	1 299 943	326 048	1 623 883	35 926	1	1	1
NEVADA													
31-33	Manufacturing	43 967	1 849 841	28 876	60 133	975 925	5 250 805	4 357 678	9 551 363	379 848	1	1	3
311	Food manufacturing	3 428	119 940	2 272	4 071	69 758	737 755	449 079	1 172 979	20 537	2	3	19
321	Wood product manufacturing .	1 550	49 165	1 088	2 202	29 424	99 170	106 694	206 282	2 975	5	4	1
323	Printing and related support activities	3 223	118 115	2 375	4 347	78 284	300 516	256 113	555 380	28 466	7	5	9
325	Chemical manufacturing	1 042	49 343	694	1 497	26 582	195 060	170 134	376 237	18 804	3	1	1
326	Plastics and rubber products manufacturing	3 217	115 181	2 662	5 925	84 832	417 906	427 341	838 930	24 594	3	1	5
327	Nonmetallic mineral product manufacturing	3 820	166 519	3 215	6 886	135 657	543 796	501 687	1 045 575	43 338	2	1	9
331	Primary metal manufacturing .	1 103	46 838	839	1 827	31 754	151 016	135 496	281 110	15 508	1	1	1
332	Fabricated metal product manufacturing	5 368	201 834	3 894	7 840	119 763	459 298	387 326	846 723	14 052	2	2	16
333	Machinery manufacturing	1 738	69 981	1 213	2 450	41 307	164 677	165 773	331 956	4 898	5	3	12
334	Computer and electronic product manufacturing	3 426	171 943	1 477	2 943	50 065	379 531	220 248	598 339	8 601	1	1	3
336	Transportation equipment manufacturing	1 651	54 750	1 127	2 092	27 659	124 502	94 515	214 179	8 811	1	2	1
337	Furniture and related product manufacturing	3 375	121 122	2 518	5 174	72 299	351 872	243 437	590 930	10 929	12	9	14
339	Miscellaneous manufacturing .	8 147	466 410	3 546	8 819	150 785	894 038	818 258	1 680 002	103 257	4	5	10

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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
NEW HAMPSHIRE													
31-33	Manufacturing	72 498	3 332 765	45 589	94 748	1 597 960	8 465 770	7 025 141	15 439 133	475 823	2	1	2
311	Food manufacturing	1 751	65 941	1 190	2 288	35 111	176 005	387 917	561 959	19 588	2	1	8
313	Textile mills	1 751	64 416	1 229	2 506	31 442	110 822	102 113	215 744	9 140	1	1	1
321	Wood product manufacturing .	3 672	117 278	2 450	4 593	57 428	268 446	273 270	529 275	19 875	10	6	27
322	Paper manufacturing	1 825	82 875	1 250	2 656	46 190	208 235	283 467	491 475	9 446	3	1	9
323	Printing and related support activities	3 557	130 815	2 487	4 836	78 875	326 531	185 579	509 552	19 451	10	8	10
325	Chemical manufacturing	1 645	84 808	1 077	2 237	46 931	236 928	153 661	386 049	38 434	1	1	1
326	Plastics and rubber products manufacturing	4 555	177 231	3 543	7 480	118 755	425 427	435 063	854 914	22 557	4	3	6
327	Nonmetallic mineral product manufacturing	2 358	107 822	1 573	3 401	61 199	335 303	217 335	554 304	20 814	4	3	14
331	Primary metal manufacturing .	2 199	97 193	1 693	3 545	58 850	169 012	139 560	306 260	5 864	1	1	1
332	Fabricated metal product manufacturing	10 776	436 288	8 023	16 760	286 406	1 079 418	552 759	1 627 290	34 080	2	2	9
333	Machinery manufacturing	8 534	430 462	4 497	9 647	165 278	976 828	899 578	1 867 287	61 778	2	2	4
334	Computer and electronic product manufacturing	14 068	863 134	6 127	12 524	229 504	2 087 515	1 804 854	3 982 463	96 361	1	2	4
335	Electrical equipment, appliance, and component manufacturing	4 330	175 557	3 055	6 379	99 992	560 409	429 238	983 270	17 028	2	1	3
336	Transportation equipment manufacturing	2 367	96 663	1 797	3 438	71 337	269 170	300 402	571 409	14 460	1	1	1
337	Furniture and related product manufacturing	1 221	43 878	886	1 767	27 131	73 717	56 145	128 132	3 073	7	5	47
339	Miscellaneous manufacturing .	5 307	255 064	2 997	7 101	119 006	738 853	370 935	1 017 876	43 789	22	6	9
NEW JERSEY													
31-33	Manufacturing	308 566	14 447 692	201 419	417 001	7 493 579	49 127 414	45 084 661	94 125 100	3 112 752	1	1	3
311	Food manufacturing	26 958	1 003 073	18 783	38 353	596 008	4 721 223	4 797 313	9 481 031	225 658	4	2	4
312	Beverage and tobacco product manufacturing	2 417	112 809	1 659	2 854	66 149	1 036 542	681 366	1 720 502	90 610	31	13	4
313	Textile mills	4 083	139 320	3 188	6 713	92 248	328 374	355 776	703 735	15 807	5	4	12
314	Textile product mills	3 973	115 910	2 820	6 053	64 956	266 080	245 046	518 022	5 864	9	11	13
315	Apparel manufacturing	7 833	197 030	6 140	11 477	126 053	576 182	639 985	1 209 750	14 283	8	5	9
321	Wood product manufacturing .	3 942	137 499	2 826	5 862	79 789	295 137	347 357	657 861	9 310	4	14	8
322	Paper manufacturing	14 318	644 340	10 927	23 846	417 148	1 563 190	1 876 305	3 435 387	81 031	4	3	7
323	Printing and related support activities	24 912	1 111 903	17 699	38 410	699 692	2 434 778	1 532 959	3 974 511	212 463	5	4	8
324	Petroleum and coal products manufacturing	3 546	337 414	2 030	5 447	169 558	2 716 103	9 594 016	12 222 275	294 127	1	1	1
325	Chemical manufacturing	50 881	3 084 979	25 643	50 553	1 208 182	16 911 542	9 938 145	26 911 170	1 275 816	2	2	7
326	Plastics and rubber products manufacturing	25 186	927 516	18 778	38 651	585 106	2 269 474	2 261 081	4 536 130	165 909	5	6	6
327	Nonmetallic mineral product manufacturing	14 171	601 371	11 042	23 262	412 171	1 701 518	1 179 533	2 877 910	96 871	2	3	5
331	Primary metal manufacturing .	6 312	322 105	4 560	10 481	208 278	957 229	1 108 698	2 046 286	39 146	7	2	2
332	Fabricated metal product manufacturing	30 235	1 241 563	21 120	44 890	719 039	2 876 837	2 378 873	5 241 459	105 244	4	4	7
333	Machinery manufacturing	17 278	830 293	10 079	21 252	368 066	1 835 492	1 374 629	3 219 696	70 775	4	5	7
334	Computer and electronic product manufacturing	26 710	1 603 853	14 868	29 414	721 947	3 819 920	2 306 714	6 115 464	185 216	3	3	18
335	Electrical equipment, appliance, and component manufacturing	8 116	346 396	5 306	11 048	174 667	797 047	789 353	1 579 533	27 849	3	3	6
336	Transportation equipment manufacturing	6 542	297 547	4 947	10 600	214 728	556 461	978 787	1 555 485	18 113	8	8	16
337	Furniture and related product manufacturing	7 802	301 588	5 941	11 345	174 534	705 806	553 115	1 251 051	22 281	14	7	29
339	Miscellaneous manufacturing .	22 954	1 078 732	12 775	25 884	389 023	2 730 985	2 098 052	4 794 041	155 402	2	3	13

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—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 MEXICO													
31-33	Manufacturing	32 927	1 343 185	22 821	43 263	766 050	11 708 157	5 650 767	17 392 906	538 011	2	1	6
311	Food manufacturing	3 875	128 635	3 011	6 041	82 175	698 645	967 997	1 669 297	44 237	5	2	4
321	Wood product manufacturing .	1 272	34 512	981	1 991	23 867	68 656	96 203	164 987	4 548	9	11	37
323	Printing and related support activities	1 014	26 301	905	1 743	16 024	49 236	27 321	77 020	2 460	10	19	42
325	Chemical manufacturing	1 235	53 939	786	1 246	27 101	212 896	100 736	311 367	12 644	3	1	1
327	Nonmetallic mineral product manufacturing	2 222	76 450	1 759	3 494	52 244	291 395	145 253	437 260	11 287	2	5	15
332	Fabricated metal product manufacturing	2 519	83 089	1 825	3 482	53 895	174 375	129 635	305 751	5 724	4	6	17
333	Machinery manufacturing	1 582	66 327	1 124	2 111	35 325	140 707	108 279	251 516	5 963	1	1	1
334	Computer and electronic product manufacturing	9 352	512 917	5 410	9 859	259 300	8 877 996	813 284	9 714 871	372 713	7	1	8
335	Electrical equipment, appliance, and component manufacturing	1 009	35 438	788	1 566	23 731	108 145	73 334	184 911	4 125	1	1	1
336	Transportation equipment manufacturing	1 478	79 082	1 095	2 049	51 098	191 055	194 877	416 578	13 459	1	1	1
337	Furniture and related product manufacturing	975	25 842	759	1 438	17 625	44 434	43 787	88 291	824	3	8	29
339	Miscellaneous manufacturing .	3 248	90 758	2 229	4 062	50 367	240 993	561 999	796 981	7 863	7	10	7
NEW YORK													
31-33	Manufacturing	569 641	24 145 580	370 674	755 822	12 921 443	83 146 115	63 620 273	146 691 694	4 104 684	1	1	3
311	Food manufacturing	46 847	1 610 981	31 160	61 171	957 799	6 411 164	7 689 884	14 090 546	327 540	2	2	6
312	Beverage and tobacco product manufacturing	5 864	241 908	3 642	7 057	126 962	1 475 740	1 491 675	2 965 960	87 537	8	6	4
313	Textile mills	6 072	208 583	4 279	9 200	116 769	407 364	690 219	1 118 316	16 724	8	19	9
314	Textile product mills	7 623	227 365	4 914	9 627	112 691	591 596	666 929	1 280 072	11 335	2	3	13
315	Apparel manufacturing	29 861	776 877	21 038	39 925	412 695	2 087 648	2 297 172	4 410 658	39 234	6	3	6
316	Leather and allied product manufacturing	2 304	66 194	1 716	3 389	39 827	125 381	160 040	282 771	2 904	10	14	19
321	Wood product manufacturing .	10 488	325 914	8 188	16 573	216 046	669 553	892 708	1 561 992	30 363	5	6	12
322	Paper manufacturing	16 818	735 332	12 837	26 812	480 483	2 011 743	2 375 438	4 411 416	148 965	2	3	8
323	Printing and related support activities	41 740	1 574 307	28 782	56 927	964 304	3 721 518	2 050 633	5 765 885	160 911	2	2	8
324	Petroleum and coal products manufacturing	1 705	74 526	1 182	2 300	48 507	290 973	469 574	758 912	22 985	5	4	26
325	Chemical manufacturing	57 004	2 874 669	28 401	55 902	1 249 111	25 746 438	9 537 580	35 291 226	1 048 107	2	1	9
326	Plastics and rubber products manufacturing	28 505	1 050 733	21 086	44 102	641 081	2 954 515	2 317 885	5 247 333	208 946	1	2	9
327	Nonmetallic mineral product manufacturing	18 001	737 655	13 381	28 356	490 907	2 462 746	1 553 907	4 028 494	170 795	2	2	4
331	Primary metal manufacturing .	12 051	603 073	9 138	19 411	413 109	2 013 177	3 826 461	5 684 979	101 853	3	1	2
332	Fabricated metal product manufacturing	55 711	2 193 594	39 809	81 062	1 339 163	5 066 655	3 580 525	8 382 127	249 496	2	4	10
333	Machinery manufacturing	42 636	2 030 669	25 847	54 315	1 028 651	5 311 059	5 011 310	10 449 541	196 438	2	1	7
334	Computer and electronic product manufacturing	65 291	3 713 027	29 738	67 681	1 213 618	8 831 698	5 911 851	14 565 789	754 839	3	2	2
335	Electrical equipment, appliance, and component manufacturing	16 327	621 547	11 294	21 652	334 431	1 733 532	1 264 871	2 989 965	62 696	2	2	3
336	Transportation equipment manufacturing	34 528	1 989 418	26 184	52 953	1 387 213	4 595 685	6 738 673	11 717 800	216 291	4	3	3
337	Furniture and related product manufacturing	22 681	708 226	16 846	33 530	436 636	1 643 852	1 041 602	2 656 748	49 531	3	3	8
339	Miscellaneous manufacturing .	47 587	1 780 981	31 212	63 876	911 440	4 994 078	4 051 338	9 031 163	197 190	2	2	7

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Table 2. Statistics for the United States and States by Subsector: 2004—Con.

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NAICS code	Geographic area and subsector	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
NORTH CAROLINA													
31-33	Manufacturing	550 217	19 861 180	411 087	843 358	12 508 166	90 231 000	74 111 146	163 838 371	3 655 696	1	1	1
311	Food manufacturing	54 848	1 558 186	41 503	86 753	1 029 286	7 342 661	7 931 017	15 294 130	307 569	1	1	2
312	Beverage and tobacco product manufacturing	11 196	652 489	7 688	15 751	404 462	20 830 038	3 206 636	24 029 196	323 567	1	1	5
313	Textile mills	52 459	1 509 011	44 442	93 579	1 142 968	3 316 031	6 068 602	9 406 498	185 677	1	2	2
314	Textile product mills	14 138	384 858	11 240	22 573	260 201	1 241 436	1 362 754	2 605 033	44 619	2	3	9
315	Apparel manufacturing	27 594	633 599	21 985	43 255	452 542	1 999 135	1 727 259	3 834 331	55 330	2	2	14
321	Wood product manufacturing .	28 046	864 742	22 401	48 145	621 373	2 331 944	2 990 380	5 281 635	151 730	3	3	4
322	Paper manufacturing	19 452	906 077	14 612	33 316	602 068	2 519 081	3 179 978	5 684 137	155 790	2	1	4
323	Printing and related support activities	15 392	534 927	10 842	21 743	336 325	1 257 096	778 106	2 040 933	94 338	2	2	17
324	Petroleum and coal products manufacturing	957	44 013	695	1 595	29 737	248 340	325 090	570 441	9 011	6	8	21
325	Chemical manufacturing	36 900	1 882 748	23 252	48 799	970 190	17 207 217	9 246 917	26 387 710	614 307	1	1	2
326	Plastics and rubber products manufacturing	39 711	1 466 468	30 816	62 658	999 200	4 442 557	4 313 210	8 682 725	320 184	3	2	6
327	Nonmetallic mineral product manufacturing	17 535	652 529	13 632	28 457	452 204	2 232 364	1 446 735	3 671 040	160 549	3	3	9
331	Primary metal manufacturing .	6 851	316 607	5 368	12 044	218 031	1 180 759	1 584 190	2 736 193	39 701	1	1	3
332	Fabricated metal product manufacturing	38 355	1 362 081	29 699	60 058	941 443	3 924 576	3 518 152	7 412 827	222 061	2	3	10
333	Machinery manufacturing	30 340	1 263 956	20 430	41 395	703 457	4 285 859	5 551 326	9 664 499	166 839	3	1	4
334	Computer and electronic product manufacturing	26 563	1 488 334	10 715	20 537	368 601	3 359 794	2 903 846	6 267 044	212 400	4	2	4
335	Electrical equipment, appliance, and component manufacturing	18 344	712 461	13 550	28 182	462 894	2 357 594	2 620 912	4 986 843	125 541	2	2	1
336	Transportation equipment manufacturing	34 406	1 377 727	27 031	54 477	983 729	4 221 995	10 300 928	14 360 090	251 874	2	3	6
337	Furniture and related product manufacturing	59 457	1 632 590	48 743	96 201	1 210 273	4 005 097	3 469 191	7 400 683	74 903	1	2	6
339	Miscellaneous manufacturing .	16 778	592 777	11 712	22 467	301 859	1 830 672	1 486 372	3 329 293	138 010	3	2	9
NORTH DAKOTA													
31-33	Manufacturing	22 027	764 390	16 485	33 232	508 234	2 913 372	4 527 574	7 371 777	139 777	2	1	4
311	Food manufacturing	4 902	159 059	3 808	7 598	108 594	932 004	1 493 139	2 370 938	38 704	1	1	7
321	Wood product manufacturing .	1 908	68 594	1 745	3 400	60 940	151 453	154 565	305 188	5 910	1	1	1
332	Fabricated metal product manufacturing	1 417	55 437	1 132	2 319	37 203	121 712	147 028	261 463	8 938	11	16	30
333	Machinery manufacturing	4 707	182 480	3 331	6 767	119 809	766 316	1 095 120	1 874 705	18 097	5	3	13
334	Computer and electronic product manufacturing	1 785	66 649	1 192	2 286	36 414	243 516	211 595	454 510	9 463	1	1	1
336	Transportation equipment manufacturing	1 573	55 373	1 208	2 476	33 502	97 152	146 241	237 736	3 569	1	1	1
337	Furniture and related product manufacturing	1 185	32 519	862	1 739	20 282	54 453	44 710	100 163	973	1	1	1

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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
	OHIO																
31-33	Manufacturing	782 617	34 503 085	570 149	1 182 621	22 613 437	117 751 145	141 625 960	258 799 499	6 342 921	1	1	1				
311	Food manufacturing	51 607	1 831 898	37 247	77 381	1 213 337	10 986 536	10 213 563	21 156 012	524 987	2	1	6				
312	Beverage and tobacco product manufacturing	4 472	203 624	2 775	5 410	124 269	2 197 897	1 749 294	3 948 329	66 009	1	1	9				
313	Textile mills	2 338	84 737	1 799	3 812	57 767	205 934	217 935	423 902	14 758	2	4	27				
314	Textile product mills	4 404	130 915	3 365	6 545	86 748	280 869	336 091	616 473	9 457	7	5	8				
315	Apparel manufacturing	1 812	43 847	1 444	2 694	29 568	110 398	110 675	220 212	3 483	5	12	3				
316	Leather and allied product manufacturing	1 254	29 908	984	1 757	18 475	67 247	90 452	157 380	1 137	1	1	1				
321	Wood product manufacturing .	15 314	451 905	12 408	27 975	330 874	1 326 089	1 374 865	2 707 305	59 513	4	4	13				
322	Paper manufacturing	23 078	999 427	17 454	38 311	645 866	3 103 740	3 654 833	6 754 874	157 825	1	1	3				
323	Printing and related support activities	32 549	1 221 140	22 470	44 705	737 099	3 106 272	1 722 429	4 817 293	144 934	2	2	8				
324	Petroleum and coal products manufacturing	4 174	258 507	2 586	5 874	153 998	1 376 674	8 031 871	9 408 543	191 983	1	1	1				
325	Chemical manufacturing	38 110	1 986 639	23 343	47 564	1 051 435	12 174 360	10 686 100	22 736 762	629 821	2	2	3				
326	Plastics and rubber products manufacturing	80 830	2 924 018	62 397	129 550	1 954 205	7 795 657	8 311 743	16 084 273	569 113	1	1	3				
327	Nonmetallic mineral product manufacturing	28 565	1 168 529	22 169	46 471	815 593	3 270 818	2 386 502	5 689 732	275 119	3	2	6				
331	Primary metal manufacturing .	49 668	2 580 834	39 228	84 284	1 932 680	8 100 843	12 543 992	20 363 005	510 417	1	7	2				
332	Fabricated metal product manufacturing	120 011	4 868 648	90 874	190 926	3 212 597	12 705 643	12 095 060	24 634 546	653 894	1	1	5				
333	Machinery manufacturing	75 954	3 392 072	46 117	94 107	1 753 772	8 332 678	7 388 816	15 731 287	339 199	1	1	6				
334	Computer and electronic product manufacturing	22 604	1 014 606	12 126	23 750	413 427	3 597 590	3 282 001	6 860 439	147 484	4	3	15				
335	Electrical equipment, appliance, and component manufacturing	34 645	1 387 695	25 861	51 571	907 692	5 226 883	4 300 038	9 493 647	142 936	1	1	2				
336	Transportation equipment manufacturing	138 306	8 042 932	108 070	224 173	6 002 407	28 441 010	49 363 879	77 937 803	1 689 731	1	1	1				
337	Furniture and related product manufacturing	21 726	734 829	16 427	34 773	522 764	2 124 686	1 754 229	3 864 078	71 586	1	2	7				
339	Miscellaneous manufacturing .	31 197	1 146 375	21 006	40 988	648 865	3 219 322	2 011 593	5 193 603	139 536	3	8	14				
	OKLAHOMA																
31-33	Manufacturing	132 540	5 241 258	96 281	201 473	3 330 338	17 933 356	28 067 862	45 710 318	1 423 048	1	1	3				
311	Food manufacturing	14 277	480 609	10 905	23 460	318 655	1 924 344	3 096 014	5 035 351	100 334	2	1	2				
312	Beverage and tobacco product manufacturing	2 101	87 048	378	942	11 615	332 988	340 162	673 118	18 299	1	1	1				
321	Wood product manufacturing .	2 221	67 530	1 905	3 933	54 852	149 239	196 965	344 914	6 784	1	1	4				
322	Paper manufacturing	3 871	186 853	3 064	6 350	141 682	1 089 427	922 846	2 004 742	33 568	1	1	3				
323	Printing and related support activities	3 832	116 407	2 914	5 330	76 958	304 781	198 620	447 146	131 448	7	12	3				
324	Petroleum and coal products manufacturing	2 705	194 001	1 735	4 331	110 647	1 119 869	7 895 840	8 904 224	266 811	2	1	5				
325	Chemical manufacturing	3 184	158 924	1 859	3 904	79 374	926 788	1 069 811	1 997 256	44 973	1	1	4				
326	Plastics and rubber products manufacturing	12 104	528 999	9 765	19 693	404 786	1 593 495	1 482 691	3 080 793	191 637	3	2	1				
327	Nonmetallic mineral product manufacturing	7 069	286 193	5 844	12 696	219 783	980 168	677 543	1 630 831	177 356	4	2	7				
331	Primary metal manufacturing .	4 562	183 018	3 608	7 654	127 876	501 367	738 770	1 216 542	28 113	3	6	10				
332	Fabricated metal product manufacturing	22 319	799 199	16 497	35 555	522 480	2 106 524	1 827 192	3 891 083	96 593	2	2	10				
333	Machinery manufacturing	20 438	900 746	12 935	27 282	458 784	2 463 360	2 905 776	5 378 292	103 544	3	2	5				
334	Computer and electronic product manufacturing	5 295	173 188	3 226	5 355	70 415	494 235	774 524	1 272 826	31 704	3	3	1				
335	Electrical equipment, appliance, and component manufacturing	3 674	118 613	2 907	5 715	81 798	238 157	541 369	763 097	17 126	5	6	4				
336	Transportation equipment manufacturing	17 071	714 183	13 166	27 109	517 658	3 031 046	4 899 729	7 902 441	145 675	1	2	23				
337	Furniture and related product manufacturing	2 432	79 761	1 766	4 606	44 781	180 941	154 572	334 179	5 140	7	6	17				
339	Miscellaneous manufacturing .	3 857	124 237	2 632	5 293	61 074	397 973	273 007	657 555	20 603	6	5	20				

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Table 2. Statistics for the United States and States by Subsector: 2004—Con.

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		A	B	C	D	E					F	G	H
OREGON													
31-33	Manufacturing	174 214	7 276 982	124 217	252 054	4 378 480	33 773 008	21 269 459	54 836 484	1 324 070	1	1	2
311	Food manufacturing	18 625	628 849	14 659	29 239	439 852	3 055 012	2 814 962	5 876 168	142 623	5	4	5
312	Beverage and tobacco product manufacturing	1 740	68 701	615	1 082	20 791	305 729	305 960	644 267	15 320	8	16	17
315	Apparel manufacturing	1 136	19 608	860	1 286	13 159	33 477	27 543	62 525	208	1	12	10
321	Wood product manufacturing .	31 497	1 148 752	26 622	57 696	909 498	3 213 881	5 674 725	8 782 632	190 383	2	2	5
322	Paper manufacturing	6 239	343 018	4 991	10 417	241 424	1 393 561	1 456 449	2 849 907	118 488	1	1	1
323	Printing and related support activities	7 082	262 399	4 949	9 166	163 128	562 809	368 115	931 147	27 569	4	5	26
325	Chemical manufacturing	3 632	180 737	2 171	4 469	94 172	1 164 657	681 849	1 846 259	66 332	7	3	32
326	Plastics and rubber products manufacturing	6 493	214 583	5 216	10 092	147 478	554 035	584 521	1 140 573	31 319	2	5	11
327	Nonmetallic mineral product manufacturing	4 627	181 276	3 275	7 309	118 429	850 007	396 560	1 242 719	35 659	5	40	18
331	Primary metal manufacturing .	7 808	364 540	5 649	12 258	241 630	1 375 528	901 871	2 226 922	46 075	1	1	2
332	Fabricated metal product manufacturing	15 335	599 949	10 930	22 436	373 683	1 510 136	1 072 527	2 558 192	55 985	5	5	11
333	Machinery manufacturing	10 529	533 988	6 347	13 261	250 147	1 206 653	1 090 738	2 287 022	78 532	6	5	8
334	Computer and electronic product manufacturing	25 481	1 459 695	12 966	24 581	583 778	15 200 054	2 665 684	17 849 960	377 518	3	1	1
335	Electrical equipment, appliance, and component manufacturing	2 191	109 356	1 215	2 534	43 833	315 295	340 022	647 509	31 898	1	2	28
336	Transportation equipment manufacturing	14 784	564 379	11 931	22 415	405 906	1 418 113	1 825 785	3 211 810	43 992	1	2	1
337	Furniture and related product manufacturing	6 771	208 858	5 169	10 641	136 571	594 208	370 842	973 854	15 585	4	6	23
339	Miscellaneous manufacturing .	8 246	315 907	5 283	10 513	149 398	744 222	415 776	1 156 355	29 947	4	4	13
PENNSYLVANIA													
31-33	Manufacturing	645 796	26 816 164	457 003	931 809	16 274 061	96 329 442	94 910 910	190 370 876	5 167 936	1	1	3
311	Food manufacturing	71 228	2 468 169	51 734	101 920	1 607 802	12 079 060	11 685 158	23 707 784	573 602	2	1	6
312	Beverage and tobacco product manufacturing	6 414	270 976	3 888	8 356	141 340	1 895 851	1 343 598	3 212 628	72 820	4	7	8
313	Textile mills	8 364	269 914	6 680	13 469	183 684	617 049	621 476	1 280 917	97 254	2	5	2
314	Textile product mills	6 581	219 948	4 511	8 872	121 008	532 624	535 411	1 074 560	14 833	6	3	11
315	Apparel manufacturing	12 396	292 288	9 369	17 339	178 567	610 456	639 448	1 281 854	11 760	5	4	14
316	Leather and allied product manufacturing	1 768	44 679	1 389	2 523	27 585	156 299	132 642	289 381	1 745	8	5	1
321	Wood product manufacturing .	28 279	865 213	22 613	47 247	596 289	2 109 169	2 672 852	4 717 265	140 262	2	4	17
322	Paper manufacturing	25 100	1 166 425	18 910	42 819	774 730	4 914 939	4 382 117	9 283 572	275 853	1	1	9
323	Printing and related support activities	42 733	1 625 729	31 705	61 562	1 081 160	3 938 272	2 520 338	6 435 630	291 660	2	4	5
324	Petroleum and coal products manufacturing	6 440	410 837	4 110	8 757	226 226	3 387 371	14 147 868	17 471 836	235 650	1	1	5
325	Chemical manufacturing	33 576	2 063 678	18 273	38 167	971 485	18 684 178	11 262 145	29 876 927	924 165	1	1	2
326	Plastics and rubber products manufacturing	44 095	1 561 311	34 117	70 780	1 051 300	4 508 213	4 461 561	8 963 152	276 489	1	1	5
327	Nonmetallic mineral product manufacturing	26 403	1 057 372	20 342	42 416	748 988	3 041 076	2 374 965	5 441 697	389 366	2	2	3
331	Primary metal manufacturing .	42 551	2 140 696	33 304	69 756	1 552 104	8 826 466	9 367 581	17 760 626	369 169	1	2	32
332	Fabricated metal product manufacturing	85 795	3 402 702	62 587	131 594	2 175 861	7 932 138	7 203 180	15 090 006	353 232	2	1	4
333	Machinery manufacturing	51 643	2 372 989	32 815	65 955	1 273 652	5 245 748	5 000 463	10 257 534	383 075	2	2	5
334	Computer and electronic product manufacturing	30 857	1 502 741	16 908	34 998	600 637	4 157 133	4 182 853	8 204 610	238 638	3	3	3
335	Electrical equipment, appliance, and component manufacturing	23 930	942 357	16 577	33 610	524 778	2 641 803	2 143 252	4 788 766	94 236	2	4	4
336	Transportation equipment manufacturing	37 763	1 892 785	27 124	52 558	1 268 376	4 881 999	6 278 308	11 143 781	198 506	1	1	4
337	Furniture and related product manufacturing	23 761	765 422	17 935	34 735	495 285	1 942 702	1 275 178	3 203 024	66 549	3	3	18
339	Miscellaneous manufacturing .	36 119	1 479 931	22 112	44 375	673 201	4 226 896	2 680 515	6 885 326	159 072	1	1	2

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		A	B	C	D	E					F	G	H
RHODE ISLAND													
31-33	Manufacturing	55 367	2 235 529	35 544	73 385	1 119 764	6 322 359	4 867 434	11 173 102	294 158	2	1	8
311	Food manufacturing	2 465	75 259	1 708	3 682	50 851	224 822	284 809	510 897	13 689	8	4	4
313	Textile mills	3 114	103 348	2 377	5 203	70 751	235 527	253 342	498 122	6 663	3	4	7
322	Paper manufacturing	1 392	64 154	910	2 012	33 637	137 713	130 049	265 508	6 621	4	4	23
323	Printing and related support activities	2 139	86 932	1 446	2 937	48 658	152 603	120 227	275 655	25 361	9	10	68
325	Chemical manufacturing	2 425	126 223	1 359	2 896	56 231	397 133	333 021	735 791	16 435	1	1	1
326	Plastics and rubber products manufacturing	4 083	152 089	3 096	5 877	89 546	389 682	326 707	736 243	25 226	8	3	11
331	Primary metal manufacturing .	1 279	53 682	938	1 909	31 346	219 170	87 366	291 701	4 700	5	3	8
332	Fabricated metal product manufacturing	9 001	356 366	6 706	14 497	235 879	936 936	644 211	1 561 083	30 754	2	2	23
333	Machinery manufacturing	3 163	154 401	1 952	4 169	80 392	360 636	288 400	649 779	15 988	5	3	17
334	Computer and electronic product manufacturing	4 825	282 567	799	2 005	20 727	441 899	341 333	813 739	27 143	22	8	25
335	Electrical equipment, appliance, and component manufacturing	3 469	169 127	2 052	3 975	76 356	1 154 726	703 396	1 824 451	24 387	1	1	1
336	Transportation equipment manufacturing	1 701	60 757	1 317	2 585	36 950	127 061	114 379	241 807	7 607	15	12	27
337	Furniture and related product manufacturing	1 979	72 522	1 322	2 778	49 514	114 797	74 122	185 164	4 573	7	18	27
339	Miscellaneous manufacturing .	11 614	384 278	7 618	14 986	184 118	1 160 654	799 845	1 949 923	67 525	1	3	19
SOUTH CAROLINA													
31-33	Manufacturing	258 222	10 293 462	194 712	402 483	6 608 125	35 662 800	46 071 621	81 630 468	2 288 190	1	1	3
311	Food manufacturing	16 275	448 503	13 338	27 828	322 336	1 631 021	2 239 343	3 900 007	108 857	2	4	4
313	Textile mills	32 163	958 880	27 591	56 212	725 915	2 381 699	3 994 277	6 445 238	108 490	1	2	6
314	Textile product mills	10 581	253 291	8 775	16 987	186 024	660 679	1 375 053	2 064 870	21 199	6	6	28
315	Apparel manufacturing	3 691	79 319	3 270	5 586	61 308	262 292	197 217	457 565	6 140	14	4	25
321	Wood product manufacturing .	9 498	300 884	7 798	16 989	221 201	821 638	1 463 055	2 275 955	91 841	4	4	14
322	Paper manufacturing	11 517	606 689	9 289	19 399	439 591	2 818 590	2 738 664	5 549 268	173 418	3	1	1
323	Printing and related support activities	4 821	172 780	3 519	6 697	110 928	340 534	338 033	669 348	15 956	11	10	15
325	Chemical manufacturing	29 896	1 696 768	16 550	36 151	762 284	5 699 861	7 132 516	12 722 441	467 997	3	1	12
326	Plastics and rubber products manufacturing	20 292	877 816	16 001	34 033	622 001	3 283 276	3 050 660	6 296 987	238 688	2	1	4
327	Nonmetallic mineral product manufacturing	8 033	319 185	6 316	13 765	223 343	1 233 191	745 670	1 972 621	137 056	2	2	2
331	Primary metal manufacturing .	6 036	326 648	4 706	10 617	247 260	1 565 834	2 520 790	4 047 226	63 801	1	1	2
332	Fabricated metal product manufacturing	25 664	929 957	19 819	40 801	635 165	2 685 348	2 212 624	4 820 039	204 919	2	2	5
333	Machinery manufacturing	18 388	738 940	12 628	26 163	445 524	3 032 034	3 656 937	6 735 038	165 561	5	2	16
334	Computer and electronic product manufacturing	7 737	337 101	5 156	10 615	173 564	1 501 548	1 229 638	2 769 625	50 155	2	1	4
335	Electrical equipment, appliance, and component manufacturing	10 645	430 937	8 143	16 454	272 417	1 244 784	1 529 457	2 777 182	41 723	1	2	3
336	Transportation equipment manufacturing	29 655	1 356 869	22 290	44 567	887 184	4 916 455	10 338 986	15 251 717	323 534	1	1	4
337	Furniture and related product manufacturing	4 100	113 912	3 185	6 345	75 756	228 296	245 436	463 403	11 659	5	9	19
339	Miscellaneous manufacturing .	7 883	289 140	5 649	11 791	171 981	1 035 541	530 399	1 563 954	39 875	5	2	11

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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
SOUTH DAKOTA													
31-33	Manufacturing	37 469	1 222 142	28 628	56 873	824 444	4 500 018	7 646 203	12 083 846	242 837	1	1	4
311	Food manufacturing	7 257	211 705	6 136	12 946	166 789	710 946	2 036 001	2 708 339	29 620	2	3	6
321	Wood product manufacturing .	1 713	46 582	1 276	2 050	32 691	98 334	160 285	263 285	6 724	7	12	12
323	Printing and related support activities	1 444	45 931	1 037	1 748	29 548	120 727	62 185	182 498	7 152	2	6	25
326	Plastics and rubber products manufacturing	1 434	43 007	1 137	2 311	31 873	125 235	133 803	258 154	3 592	1	1	1
327	Nonmetallic mineral product manufacturing	1 292	44 718	1 133	2 347	34 696	99 886	89 045	194 369	23 103	14	27	40
332	Fabricated metal product manufacturing	3 537	127 931	2 676	4 945	82 432	269 603	305 009	578 312	5 952	7	8	9
333	Machinery manufacturing	4 698	176 672	3 369	7 489	114 563	557 575	566 327	1 104 207	48 784	4	6	3
334	Computer and electronic product manufacturing	3 262	107 559	2 594	4 713	77 207	542 528	3 000 486	3 556 603	31 407	1	1	1
336	Transportation equipment manufacturing	2 420	80 835	1 989	3 903	55 367	295 718	313 271	607 207	19 352	1	1	1
337	Furniture and related product manufacturing	1 642	49 790	1 304	2 575	33 287	100 570	72 292	172 382	10 328	1	1	2
339	Miscellaneous manufacturing .	4 778	146 375	3 158	5 807	82 563	918 109	347 785	1 239 527	26 515	2	1	2
TENNESSEE													
31-33	Manufacturing	384 152	14 808 283	286 806	586 631	9 678 932	58 677 954	67 243 204	125 530 821	3 758 841	1	1	5
311	Food manufacturing	36 361	1 217 224	25 980	52 276	802 277	6 965 026	6 361 579	13 293 821	390 980	1	1	3
312	Beverage and tobacco product manufacturing	2 981	131 706	2 126	4 671	86 290	2 386 623	1 114 102	3 485 274	94 583	1	1	1
313	Textile mills	6 023	202 734	4 738	11 288	149 683	608 084	932 604	1 536 511	52 632	4	3	1
314	Textile product mills	4 277	141 782	3 459	7 553	91 710	410 642	452 430	858 048	16 799	5	6	3
315	Apparel manufacturing	7 129	159 144	5 743	10 938	103 261	401 303	418 761	824 890	9 437	5	4	23
316	Leather and allied product manufacturing	1 680	42 519	1 297	2 073	24 566	92 774	105 890	209 564	3 241	1	9	4
321	Wood product manufacturing .	17 115	473 476	12 675	26 650	303 891	1 149 008	1 521 103	2 681 867	109 781	6	7	20
322	Paper manufacturing	14 508	627 480	11 593	24 949	432 818	2 010 410	2 561 695	4 558 820	132 579	2	1	3
323	Printing and related support activities	19 632	677 450	14 534	28 299	441 417	1 641 748	985 234	2 615 769	70 700	4	3	9
324	Petroleum and coal products manufacturing	967	50 264	766	1 508	39 127	232 524	955 310	1 184 761	24 810	2	6	1
325	Chemical manufacturing	25 918	1 489 837	13 339	27 005	710 126	7 329 933	5 530 703	12 858 292	338 366	1	1	8
326	Plastics and rubber products manufacturing	31 118	1 159 142	24 628	51 930	831 569	2 945 688	3 318 293	6 239 893	199 943	2	1	6
327	Nonmetallic mineral product manufacturing	13 393	519 786	10 348	21 776	366 469	1 762 862	1 260 642	3 008 357	132 895	4	3	30
331	Primary metal manufacturing .	11 595	518 689	9 057	19 475	377 927	1 835 002	3 659 986	5 433 225	115 334	1	1	4
332	Fabricated metal product manufacturing	35 786	1 248 827	27 022	53 473	811 389	3 493 519	3 155 594	6 589 185	173 595	3	2	10
333	Machinery manufacturing	30 169	1 150 590	22 892	47 362	718 487	3 822 706	5 101 193	8 926 157	130 140	1	1	4
334	Computer and electronic product manufacturing	13 178	529 498	7 821	17 564	227 601	7 711 217	6 899 397	14 584 874	200 060	2	1	1
335	Electrical equipment, appliance, and component manufacturing	19 249	609 378	16 084	31 566	446 052	2 159 780	2 731 881	4 888 831	84 939	1	1	2
336	Transportation equipment manufacturing	58 023	2 698 153	45 837	91 757	1 972 027	8 350 023	17 937 488	26 256 337	1 117 990	2	1	2
337	Furniture and related product manufacturing	19 490	550 349	16 187	32 708	393 823	1 213 313	1 106 858	2 276 047	31 709	2	3	7
339	Miscellaneous manufacturing .	15 561	610 253	10 679	21 813	348 424	2 155 768	1 132 458	3 220 299	328 326	4	4	59

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

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NAICS code	Geographic area and subsector	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													
31-33	Manufacturing	773 506	33 559 330	525 332	1 106 111	18 582 703	150 697 653	237 081 355	385 534 384	9 288 812	1	1	1
311	Food manufacturing	82 594	2 395 118	62 350	129 601	1 589 376	14 551 093	16 830 767	31 430 721	502 915	1	1	3
312	Beverage and tobacco product manufacturing	8 760	388 521	4 469	9 169	161 602	3 448 351	2 917 717	6 362 656	175 018	1	1	4
313	Textile mills	2 589	81 625	2 149	4 502	62 478	227 709	245 595	468 225	8 040	19	12	1
314	Textile product mills	7 786	177 990	6 094	11 790	118 846	328 292	432 890	776 994	16 267	4	7	34
315	Apparel manufacturing	9 896	215 315	6 990	12 798	131 697	679 904	887 512	1 591 597	15 011	5	3	32
316	Leather and allied product manufacturing	3 490	90 682	2 773	5 309	51 369	156 701	190 488	352 416	4 207	4	4	17
321	Wood product manufacturing .	25 906	751 985	21 077	45 965	539 568	1 984 533	2 848 762	4 845 685	89 712	2	2	5
322	Paper manufacturing	19 005	814 704	14 481	31 147	533 020	3 088 609	3 266 890	6 290 009	181 608	1	1	4
323	Printing and related support activities	35 477	1 266 137	24 221	46 573	746 774	2 801 852	1 886 008	4 689 779	147 823	2	3	6
324	Petroleum and coal products manufacturing	19 487	1 702 999	12 552	30 016	1 012 577	16 171 423	75 738 722	91 303 853	1 632 064	1	1	1
325	Chemical manufacturing	65 458	4 062 509	40 348	90 421	2 293 698	35 100 608	56 206 198	90 169 775	2 431 300	1	1	2
326	Plastics and rubber products manufacturing	44 900	1 603 375	35 561	77 014	1 112 650	4 517 311	6 526 323	10 925 536	368 958	2	5	17
327	Nonmetallic mineral product manufacturing	33 503	1 282 832	27 161	61 295	951 451	4 786 449	3 704 503	8 486 322	329 301	2	2	13
331	Primary metal manufacturing .	21 095	930 875	17 189	38 804	697 067	3 339 580	6 445 192	9 625 118	266 117	2	1	3
332	Fabricated metal product manufacturing	98 407	3 639 335	74 214	152 774	2 365 461	8 965 971	7 505 303	16 319 283	386 443	2	2	4
333	Machinery manufacturing	70 988	3 143 634	42 913	90 311	1 495 362	11 354 842	9 973 344	21 127 073	502 003	1	1	3
334	Computer and electronic product manufacturing	72 604	4 435 342	33 125	67 898	1 350 862	21 251 425	20 377 805	41 537 058	1 518 101	3	2	4
335	Electrical equipment, appliance, and component manufacturing	16 046	599 740	11 295	23 897	322 275	1 907 736	2 703 177	4 596 840	110 705	5	5	10
336	Transportation equipment manufacturing	70 871	3 888 212	40 627	82 947	1 862 553	10 089 761	14 456 644	24 747 667	333 147	1	1	2
337	Furniture and related product manufacturing	27 243	792 950	21 017	43 672	505 645	1 908 371	1 655 096	3 551 657	72 218	3	2	9
339	Miscellaneous manufacturing .	37 401	1 295 452	24 728	50 207	678 372	4 037 134	2 282 418	6 336 121	197 854	2	3	13
UTAH													
31-33	Manufacturing	107 362	4 202 384	72 810	148 243	2 299 464	14 014 569	15 698 666	29 588 962	737 288	2	1	5
311	Food manufacturing	14 440	437 197	10 624	21 313	283 248	1 670 565	2 707 774	4 369 308	80 069	3	4	11
315	Apparel manufacturing	963	21 160	645	1 198	11 940	38 745	23 312	61 202	D	1	1	S
321	Wood product manufacturing .	2 520	67 370	1 905	4 073	49 619	132 628	170 429	303 803	6 454	14	25	30
322	Paper manufacturing	2 618	103 155	2 151	4 080	77 648	621 059	375 196	990 955	17 977	1	1	3
323	Printing and related support activities	5 277	190 190	3 656	7 521	111 643	584 470	252 223	831 491	56 760	6	3	28
325	Chemical manufacturing	6 027	275 038	3 403	6 945	125 034	1 005 938	753 092	1 747 409	57 357	1	1	3
326	Plastics and rubber products manufacturing	5 153	178 920	4 385	8 718	129 583	487 597	768 420	1 220 990	47 018	34	27	51
327	Nonmetallic mineral product manufacturing	2 934	100 039	2 078	4 905	62 285	429 209	271 662	702 311	22 766	8	10	17
331	Primary metal manufacturing .	3 173	144 106	2 317	4 910	101 429	1 178 361	1 398 095	2 540 774	41 683	1	1	1
332	Fabricated metal product manufacturing	10 016	410 073	7 282	14 574	244 416	1 054 717	1 001 932	2 021 192	35 336	6	6	16
333	Machinery manufacturing	5 272	212 943	3 336	6 683	109 655	492 237	574 259	1 075 143	22 939	4	4	14
334	Computer and electronic product manufacturing	11 804	627 344	5 674	12 622	205 554	1 762 443	877 791	2 704 321	68 095	4	1	1
335	Electrical equipment, appliance, and component manufacturing	1 188	48 144	788	1 668	25 586	195 043	182 879	378 098	11 269	1	1	1
336	Transportation equipment manufacturing	10 773	514 227	7 204	13 800	247 390	1 667 606	1 561 116	3 210 433	72 617	1	1	1
337	Furniture and related product manufacturing	6 533	200 310	5 182	10 153	141 602	652 527	415 276	1 066 098	15 662	4	14	10
339	Miscellaneous manufacturing .	16 401	569 037	10 632	22 120	311 376	1 570 981	1 536 346	3 123 573	91 421	2	1	14

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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
VERMONT													
31-33	Manufacturing	38 341	1 687 352	24 379	48 987	892 977	5 018 735	4 948 119	9 911 307	262 638	1	1	4
311	Food manufacturing	3 790	123 967	2 462	4 647	76 022	492 875	1 109 874	1 579 256	19 788	8	1	2
321	Wood product manufacturing .	2 370	72 440	1 999	4 141	54 190	191 036	219 895	416 521	6 145	5	12	12
322	Paper manufacturing	1 257	49 033	996	2 054	35 848	148 672	146 549	297 213	5 379	1	1	1
323	Printing and related support activities	1 783	66 988	1 256	2 525	43 452	159 620	101 089	262 942	5 614	2	1	32
326	Plastics and rubber products manufacturing	1 553	54 379	1 260	2 583	36 357	155 513	101 912	253 679	15 263	3	6	32
327	Nonmetallic mineral product manufacturing	1 893	74 765	1 307	2 839	45 806	213 789	85 352	298 384	14 641	7	22	45
332	Fabricated metal product manufacturing	4 407	228 640	2 778	5 688	100 296	540 577	241 979	775 845	15 603	3	2	32
333	Machinery manufacturing	3 097	143 549	1 983	4 078	85 284	243 155	233 579	477 558	9 927	12	12	5
334	Computer and electronic product manufacturing	8 799	513 080	3 441	6 820	183 333	1 956 385	2 020 580	3 943 694	D	1	1	S
335	Electrical equipment, appliance, and component manufacturing	1 229	50 539	895	1 819	30 181	157 461	144 537	299 849	15 277	1	1	1
336	Transportation equipment manufacturing	1 721	94 883	1 547	3 204	82 243	160 882	90 799	250 043	8 523	1	1	1
337	Furniture and related product manufacturing	2 396	72 605	1 896	3 646	48 017	151 871	107 506	259 399	5 219	4	8	38
339	Miscellaneous manufacturing .	2 105	68 193	1 221	2 410	30 960	226 998	165 725	394 970	8 451	7	3	17
VIRGINIA													
31-33	Manufacturing	284 076	11 915 146	206 060	428 748	7 157 757	49 714 651	38 164 075	87 842 594	2 361 059	1	6	2
311	Food manufacturing	30 982	936 758	23 946	50 654	665 941	5 164 577	4 856 821	10 007 604	237 389	2	2	2
312	Beverage and tobacco product manufacturing	8 248	560 930	5 370	10 221	269 434	10 059 082	2 799 785	12 856 094	199 728	2	2	4
313	Textile mills	13 457	466 812	11 947	23 741	389 934	1 172 337	1 242 955	2 470 029	71 315	1	1	3
314	Textile product mills	4 014	104 480	3 127	6 972	70 614	246 445	399 599	669 483	13 448	6	2	10
315	Apparel manufacturing	3 315	76 499	2 583	5 154	51 162	406 112	202 980	633 253	2 654	7	4	14
321	Wood product manufacturing .	18 753	585 932	14 802	31 452	411 654	1 477 292	2 180 279	3 652 288	109 946	4	3	16
322	Paper manufacturing	10 905	537 862	8 568	17 782	386 011	1 917 607	2 155 884	4 068 320	101 170	1	1	4
323	Printing and related support activities	17 549	648 282	12 477	23 852	429 105	1 522 144	930 902	2 436 287	71 781	2	2	9
325	Chemical manufacturing	17 272	920 204	10 445	23 008	478 462	4 537 675	3 353 097	7 864 873	279 623	1	1	2
326	Plastics and rubber products manufacturing	20 032	804 629	15 772	34 071	562 321	2 574 296	2 290 950	4 864 573	147 059	9	2	2
327	Nonmetallic mineral product manufacturing	12 268	448 563	9 677	19 884	310 545	1 402 556	989 655	2 394 389	92 947	4	2	14
331	Primary metal manufacturing .	6 106	270 463	4 913	14 033	198 246	656 353	1 201 961	1 855 573	41 340	5	3	1
332	Fabricated metal product manufacturing	16 867	662 088	12 411	25 308	422 017	1 955 119	1 566 024	3 475 712	140 221	2	3	16
333	Machinery manufacturing	14 482	578 976	9 902	20 510	334 542	1 530 028	1 784 072	3 314 083	89 621	4	4	18
334	Computer and electronic product manufacturing	15 231	1 222 270	6 167	11 914	239 156	6 096 654	1 988 235	8 078 216	434 041	11	52	1
335	Electrical equipment, appliance, and component manufacturing	9 114	432 337	5 336	11 495	195 634	1 113 608	928 945	2 068 003	37 979	1	1	3
336	Transportation equipment manufacturing	38 533	1 836 171	27 606	56 746	1 199 950	5 523 113	6 704 851	12 211 414	200 864	1	1	3
337	Furniture and related product manufacturing	17 633	497 817	14 738	29 929	362 504	1 359 641	1 022 051	2 339 149	24 925	2	3	9
339	Miscellaneous manufacturing .	8 522	290 707	5 650	10 744	156 319	796 904	480 225	1 261 456	23 011	9	10	12

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Table 2. Statistics for the United States and States by Subsector: 2004—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
WASHINGTON													
31-33	Manufacturing	242 483	11 179 078	153 825	312 979	5 599 409	36 833 803	40 230 864	77 664 743	1 629 060	1	1	3
311	Food manufacturing	35 817	1 123 784	27 614	52 392	759 580	4 084 002	5 562 735	9 539 681	170 677	2	2	4
312	Beverage and tobacco product manufacturing	2 638	119 451	1 651	3 317	65 577	671 590	716 443	1 404 900	30 911	5	6	7
314	Textile product mills	2 342	77 059	1 652	3 212	41 202	148 327	144 791	297 993	14 886	3	5	57
315	Apparel manufacturing	1 641	38 560	1 253	2 356	22 144	96 788	44 123	137 475	4 944	9	16	46
321	Wood product manufacturing .	18 796	691 973	15 898	33 072	534 424	1 890 630	2 908 753	4 744 954	119 024	2	2	7
322	Paper manufacturing	11 794	639 952	9 020	19 390	459 570	2 249 963	2 660 800	4 910 637	165 794	2	1	2
323	Printing and related support activities	7 848	300 810	5 468	9 961	177 450	667 179	315 373	986 531	23 735	3	5	14
324	Petroleum and coal products manufacturing	2 063	163 838	1 353	2 902	93 786	1 634 805	8 179 543	9 751 959	224 168	1	1	2
325	Chemical manufacturing	4 630	250 969	2 655	5 421	114 551	976 556	807 524	1 785 794	151 701	3	6	33
326	Plastics and rubber products manufacturing	11 187	409 374	8 956	18 173	286 311	994 836	1 020 000	2 005 903	71 321	2	2	7
327	Nonmetallic mineral product manufacturing	7 820	316 381	6 318	13 092	226 557	973 306	736 046	1 721 890	58 718	3	4	10
331	Primary metal manufacturing .	4 925	231 425	3 869	8 252	162 286	671 183	857 194	1 510 376	20 131	6	9	17
332	Fabricated metal product manufacturing	19 101	743 488	14 053	27 792	469 529	1 849 230	1 361 788	3 176 730	63 680	4	4	9
333	Machinery manufacturing	12 125	558 840	8 064	15 489	315 264	1 138 043	1 012 267	2 151 908	53 500	8	9	12
334	Computer and electronic product manufacturing	28 726	1 814 680	9 116	18 753	366 388	5 036 578	3 109 369	7 760 824	241 382	3	1	3
335	Electrical equipment, appliance, and component manufacturing	2 966	118 623	1 699	3 557	46 270	334 494	219 487	544 356	19 289	3	4	15
336	Transportation equipment manufacturing	48 967	2 899 757	22 164	50 071	1 074 382	11 894 846	9 532 514	22 700 182	152 467	1	1	4
337	Furniture and related product manufacturing	7 367	248 737	5 450	11 396	161 230	548 449	356 744	900 548	16 307	4	3	17
339	Miscellaneous manufacturing .	10 687	395 244	6 776	12 622	197 265	903 474	567 565	1 449 932	24 273	5	4	17
WEST VIRGINIA													
31-33	Manufacturing	63 094	2 651 959	47 549	96 540	1 791 647	8 845 976	11 895 753	20 578 872	622 647	1	1	4
311	Food manufacturing	4 433	114 511	3 105	6 026	62 215	333 962	387 739	723 504	15 073	1	1	1
321	Wood product manufacturing .	8 782	251 845	7 692	15 876	209 860	793 191	1 018 936	1 795 810	45 971	3	3	24
323	Printing and related support activities	2 605	87 366	2 176	4 300	67 608	214 891	211 465	426 414	21 312	1	2	5
325	Chemical manufacturing	10 101	648 063	6 121	13 064	368 984	2 964 219	3 399 384	6 325 372	279 278	1	1	8
326	Plastics and rubber products manufacturing	4 116	131 925	3 269	6 729	86 514	385 074	301 559	677 886	20 133	1	2	5
327	Nonmetallic mineral product manufacturing	4 200	123 964	3 169	5 397	85 874	397 647	217 951	612 937	19 234	4	6	19
331	Primary metal manufacturing .	9 081	535 129	7 110	14 276	408 769	1 229 865	2 220 474	3 379 836	123 573	1	1	1
332	Fabricated metal product manufacturing	6 520	226 838	5 157	10 611	161 270	582 389	1 092 714	1 662 138	26 162	7	8	16
333	Machinery manufacturing	2 168	82 272	1 593	3 066	48 557	174 074	182 715	365 701	6 113	9	12	9
334	Computer and electronic product manufacturing	985	38 948	605	1 169	14 125	129 813	97 031	225 609	D	1	1	S
335	Electrical equipment, appliance, and component manufacturing	1 032	39 744	796	1 627	25 692	109 676	80 881	188 982	5 071	1	1	1
336	Transportation equipment manufacturing	4 046	203 334	3 073	6 641	140 917	817 626	1 729 676	2 538 307	29 890	1	1	1
337	Furniture and related product manufacturing	980	26 335	792	1 744	17 134	55 692	66 591	120 876	5 353	13	34	61
339	Miscellaneous manufacturing .	1 557	53 517	1 138	2 260	37 576	179 016	49 236	228 056	8 838	11	3	1

See footnotes at end of table.

Table 2. Statistics for the United States and States by Subsector: 2004—Con.

[Includes industry groups with 950 employees or more. Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and subsector	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
WISCONSIN													
31-33	Manufacturing	476 794	19 808 433	344 680	697 583	12 307 252	65 693 306	70 518 802	135 676 034	3 512 281	1	1	2
311	Food manufacturing	59 750	2 080 474	47 137	96 766	1 456 469	8 295 053	16 302 405	24 600 199	518 393	3	3	6
312	Beverage and tobacco product manufacturing	2 459	113 948	1 718	3 687	74 950	861 875	799 286	1 670 880	31 330	1	1	9
313	Textile mills	1 458	57 743	1 158	2 089	41 151	159 432	168 553	332 124	11 532	2	3	8
314	Textile product mills	1 847	55 000	1 282	2 533	32 417	124 650	115 201	238 992	5 258	6	3	16
315	Apparel manufacturing	1 523	40 137	1 094	2 505	23 525	96 652	67 563	160 905	1 836	11	8	10
316	Leather and allied product manufacturing	1 494	46 940	1 141	2 005	28 813	112 434	111 958	225 554	2 980	5	1	6
321	Wood product manufacturing .	30 116	955 414	23 827	47 922	657 176	2 358 708	2 722 976	5 068 496	142 656	2	2	17
322	Paper manufacturing	33 796	1 643 897	26 865	55 031	1 201 073	6 409 695	6 373 551	12 765 330	477 645	1	1	2
323	Printing and related support activities	33 849	1 289 402	25 226	49 823	837 132	3 040 360	2 087 265	5 113 740	329 832	1	1	5
325	Chemical manufacturing	11 456	599 917	6 806	13 532	310 329	4 205 862	2 798 872	7 061 471	256 098	8	5	16
326	Plastics and rubber products manufacturing	26 174	1 017 657	19 957	40 470	670 823	2 845 889	2 760 489	5 580 636	215 434	6	4	5
327	Nonmetallic mineral product manufacturing	10 704	419 728	8 582	17 809	294 738	1 685 123	1 021 203	2 693 165	121 856	2	1	6
331	Primary metal manufacturing .	20 048	849 764	16 413	34 799	633 875	2 426 148	2 033 814	4 400 998	143 723	2	2	2
332	Fabricated metal product manufacturing	62 051	2 486 740	46 048	97 060	1 621 168	6 341 911	5 152 969	11 289 281	380 415	1	1	8
333	Machinery manufacturing	60 111	2 895 818	37 179	73 154	1 545 672	7 028 494	7 959 473	14 744 738	261 629	2	2	4
334	Computer and electronic product manufacturing	19 196	1 025 369	9 370	19 009	340 026	3 354 889	3 204 300	6 592 634	143 822	3	2	2
335	Electrical equipment, appliance, and component manufacturing	26 064	1 078 960	16 264	30 234	519 021	3 899 155	3 138 219	6 984 286	113 929	3	2	3
336	Transportation equipment manufacturing	36 790	1 808 976	28 314	59 317	1 263 209	9 084 964	10 631 486	19 702 432	191 830	1	1	3
337	Furniture and related product manufacturing	18 031	578 584	13 673	25 134	380 218	1 358 089	1 128 960	2 504 178	46 364	4	2	8
339	Miscellaneous manufacturing .	18 989	723 056	12 327	24 108	361 853	1 820 029	1 345 371	3 180 159	75 057	4	3	13
WYOMING													
31-33	Manufacturing	8 675	352 411	6 472	13 248	242 906	1 683 515	3 349 739	5 010 186	317 568	1	1	1
325	Chemical manufacturing	1 531	90 685	1 165	2 382	70 148	876 364	535 698	1 414 729	250 954	1	1	1
332	Fabricated metal product manufacturing	1 057	35 410	780	1 555	22 028	99 645	84 159	177 298	4 176	3	12	31

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 1: Previous years' data may differ from that published in the 2003 Annual Survey of Manufactures (ASM) because of changes encountered in subsequent review of the 2004 ASM.

Note 2: The data in this table are based on the 2004 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: 2004

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
UNITED STATES		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 395 965 512	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 147 037 194	1
Work-in-process	\$1,000 .. 112 008 944	1
Materials and supplies	\$1,000 .. 136 919 374	1
Total, end of year	\$1,000 .. 424 511 435	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 158 165 759	1
Work-in-process	\$1,000 .. 115 683 729	1
Materials and supplies	\$1,000 .. 150 661 947	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 114 387 138	1
Building and other structures	\$1,000 .. 17 089 561	1
Machinery and equipment	\$1,000 .. 97 297 577	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 2 501 564	1
Computers and peripheral data processing equipment	\$1,000 .. 6 632 950	1
All other expenditures	\$1,000 .. 88 163 063	1
Total fringe benefits	\$1,000 .. 157 264 347	1
Cost of purchased fuels	\$1,000 .. 40 893 757	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 864 635 994	1
Cost	\$1,000 .. 41 760 148	1
Generated	1,000 kWh .. 110 164 971	1
Sold or transferred	1,000 kWh .. 20 021 612	1
ALABAMA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 6 183 764	5
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 585 936	1
Work-in-process	\$1,000 .. 1 326 860	7
Materials and supplies	\$1,000 .. 2 270 968	8
Total, end of year	\$1,000 .. 7 027 502	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 914 667	1
Work-in-process	\$1,000 .. 1 357 229	3
Materials and supplies	\$1,000 .. 2 755 607	7
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 431 982	1
Building and other structures	\$1,000 .. 383 972	1
Machinery and equipment	\$1,000 .. 2 048 010	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 49 019	9
Computers and peripheral data processing equipment	\$1,000 .. 79 132	3
All other expenditures	\$1,000 .. 1 919 859	1
Total fringe benefits	\$1,000 .. 2 523 753	1
Cost of purchased fuels	\$1,000 .. 1 162 865	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 30 472 782	2
Cost	\$1,000 .. 1 118 352	2
Generated	1,000 kWh .. 3 821 898	1
Sold or transferred	1,000 kWh .. 148 974	1
ALASKA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 327 327	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 234 442	2
Work-in-process	\$1,000 .. 34 967	3
Materials and supplies	\$1,000 .. 57 918	5
Total, end of year	\$1,000 .. 400 833	6
Detail by stage of fabrication:		
Finished products	\$1,000 .. 266 848	10
Work-in-process	\$1,000 .. 75 323	1
Materials and supplies	\$1,000 .. 58 662	6
Capital expenditures:		
Total (new and used)	\$1,000 .. 50 680	9
Building and other structures	\$1,000 .. 9 630	10
Machinery and equipment	\$1,000 .. 41 050	10
Automobiles, trucks, etc., for highway use	\$1,000 .. 3 840	44
Computers and peripheral data processing equipment	\$1,000 .. 2 471	2
All other expenditures	\$1,000 .. 34 740	1
Total fringe benefits	\$1,000 .. 80 982	4
Cost of purchased fuels	\$1,000 .. 75 742	4
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 546 433	3
Cost	\$1,000 .. 35 672	4
Generated	1,000 kWh .. 184 130	2
Sold or transferred	1,000 kWh .. D	S

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
ARIZONA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 4 589 326	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 183 938	4
Work-in-process	\$1,000 .. 1 985 358	2
Materials and supplies	\$1,000 .. 1 420 030	6
Total, end of year	\$1,000 .. 4 712 045	7
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 155 681	6
Work-in-process	\$1,000 .. 1 845 720	2
Materials and supplies	\$1,000 .. 1 710 644	15
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 551 525	2
Building and other structures	\$1,000 .. 326 629	3
Machinery and equipment	\$1,000 .. 1 224 896	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 26 137	6
Computers and peripheral data processing equipment	\$1,000 .. 78 983	3
All other expenditures	\$1,000 .. 1 119 776	1
Total fringe benefits	\$1,000 .. 1 804 927	1
Cost of purchased fuels	\$1,000 .. 142 186	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 6 281 638	3
Cost	\$1,000 .. 359 184	5
Generated	1,000 kWh .. 626	7
Sold or transferred	1,000 kWh .. 2 208	28
ARKANSAS		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 5 033 378	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 348 480	1
Work-in-process	\$1,000 .. 830 025	2
Materials and supplies	\$1,000 .. 1 854 873	1
Total, end of year	\$1,000 .. 5 429 454	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 344 445	1
Work-in-process	\$1,000 .. 873 308	3
Materials and supplies	\$1,000 .. 2 211 702	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 229 182	2
Building and other structures	\$1,000 .. 166 478	4
Machinery and equipment	\$1,000 .. 1 062 704	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 27 098	6
Computers and peripheral data processing equipment	\$1,000 .. 47 216	5
All other expenditures	\$1,000 .. 988 391	1
Total fringe benefits	\$1,000 .. 1 811 558	1
Cost of purchased fuels	\$1,000 .. 593 846	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 16 261 185	1
Cost	\$1,000 .. 595 686	1
Generated	1,000 kWh .. 2 192 630	1
Sold or transferred	1,000 kWh .. 94 168	39
CALIFORNIA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 49 889 678	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 15 492 145	1
Work-in-process	\$1,000 .. 19 556 898	2
Materials and supplies	\$1,000 .. 14 840 635	1
Total, end of year	\$1,000 .. 52 673 883	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 16 256 989	1
Work-in-process	\$1,000 .. 20 380 345	1
Materials and supplies	\$1,000 .. 16 036 549	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 11 872 899	1
Building and other structures	\$1,000 .. 2 143 554	2
Machinery and equipment	\$1,000 .. 9 729 345	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 275 379	3
Computers and peripheral data processing equipment	\$1,000 .. 867 122	1
All other expenditures	\$1,000 .. 8 586 843	1
Total fringe benefits	\$1,000 .. 16 156 301	1
Cost of purchased fuels	\$1,000 .. 2 341 823	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 45 337 762	1
Cost	\$1,000 .. 3 588 394	1
Generated	1,000 kWh .. 4 748 823	2
Sold or transferred	1,000 kWh .. 1 347 905	3

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
COLORADO		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 3 301 453	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 282 565	3
Work-in-process	\$1,000 .. 805 025	4
Materials and supplies	\$1,000 .. 1 213 863	3
Total, end of year	\$1,000 .. 3 526 022	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 316 592	3
Work-in-process	\$1,000 .. 883 870	3
Materials and supplies	\$1,000 .. 1 325 560	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 315 810	8
Building and other structures	\$1,000 .. 230 430	21
Machinery and equipment	\$1,000 .. 1 085 380	6
Automobiles, trucks, etc., for highway use	\$1,000 .. 32 211	8
Computers and peripheral data processing equipment	\$1,000 .. 95 347	4
All other expenditures	\$1,000 .. 957 823	1
Total fringe benefits	\$1,000 .. 1 463 032	2
Cost of purchased fuels	\$1,000 .. 177 120	10
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. A	A
Cost	\$1,000 .. 170 876	66
Generated	1,000 kWh .. D	S
Sold or transferred	1,000 kWh .. D	S
CONNECTICUT		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 5 645 389	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 318 335	1
Work-in-process	\$1,000 .. 1 618 392	1
Materials and supplies	\$1,000 .. 1 708 662	1
Total, end of year	\$1,000 .. 5 940 153	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 542 312	1
Work-in-process	\$1,000 .. 1 676 725	1
Materials and supplies	\$1,000 .. 1 721 116	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 236 176	2
Building and other structures	\$1,000 .. 167 964	4
Machinery and equipment	\$1,000 .. 1 068 212	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 23 869	8
Computers and peripheral data processing equipment	\$1,000 .. 198 327	3
All other expenditures	\$1,000 .. 846 016	1
Total fringe benefits	\$1,000 .. 2 442 038	1
Cost of purchased fuels	\$1,000 .. 239 592	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 5 948 409	2
Cost	\$1,000 .. 399 519	2
Generated	1,000 kWh .. 330 987	1
Sold or transferred	1,000 kWh .. 14 964	5
DELAWARE		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 1 586 013	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 803 122	1
Work-in-process	\$1,000 .. 402 686	1
Materials and supplies	\$1,000 .. 380 205	2
Total, end of year	\$1,000 .. 2 340 521	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 123 794	1
Work-in-process	\$1,000 .. 840 669	1
Materials and supplies	\$1,000 .. 376 058	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 327 906	2
Building and other structures	\$1,000 .. 45 760	1
Machinery and equipment	\$1,000 .. 282 145	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 12 469	11
Computers and peripheral data processing equipment	\$1,000 .. 24 769	1
All other expenditures	\$1,000 .. 244 908	1
Total fringe benefits	\$1,000 .. 515 088	1
Cost of purchased fuels	\$1,000 .. 106 120	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 3 527 219	1
Cost	\$1,000 .. 145 429	1
Generated	1,000 kWh .. D	S
Sold or transferred	1,000 kWh .. 27 341	1

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
DISTRICT OF COLUMBIA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 8 355	11
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 499	1
Work-in-process	\$1,000 .. 1 513	13
Materials and supplies	\$1,000 .. 3 343	22
Total, end of year	\$1,000 .. 11 838	4
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 311	1
Work-in-process	\$1,000 .. 2 172	7
Materials and supplies	\$1,000 .. 5 355	5
Capital expenditures:		
Total (new and used)	\$1,000 .. 7 017	12
Building and other structures	\$1,000 .. 376	16
Machinery and equipment	\$1,000 .. 6 641	12
Automobiles, trucks, etc., for highway use	\$1,000 .. 491	21
Computers and peripheral data processing equipment	\$1,000 .. 574	20
All other expenditures	\$1,000 .. 5 575	2
Total fringe benefits	\$1,000 .. 14 676	5
Cost of purchased fuels	\$1,000 .. 1 163	6
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 18 967	8
Cost	\$1,000 .. 1 561	3
Generated	1,000 kWh .. —	X
Sold or transferred	1,000 kWh .. —	X
FLORIDA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 8 804 701	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 416 882	2
Work-in-process	\$1,000 .. 2 352 026	3
Materials and supplies	\$1,000 .. 3 035 793	3
Total, end of year	\$1,000 .. 8 588 791	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 309 422	2
Work-in-process	\$1,000 .. 2 228 184	4
Materials and supplies	\$1,000 .. 3 051 185	3
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 588 097	4
Building and other structures	\$1,000 .. 418 894	13
Machinery and equipment	\$1,000 .. 2 169 203	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 88 240	9
Computers and peripheral data processing equipment	\$1,000 .. 133 257	3
All other expenditures	\$1,000 .. 1 947 706	1
Total fringe benefits	\$1,000 .. 3 423 147	1
Cost of purchased fuels	\$1,000 .. 685 587	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 12 795 890	1
Cost	\$1,000 .. 728 163	1
Generated	1,000 kWh .. 5 005 660	1
Sold or transferred	1,000 kWh .. 772 807	1
GEORGIA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 11 492 192	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 929 363	1
Work-in-process	\$1,000 .. 3 103 928	1
Materials and supplies	\$1,000 .. 4 458 901	1
Total, end of year	\$1,000 .. 12 261 623	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 337 806	2
Work-in-process	\$1,000 .. 2 992 112	1
Materials and supplies	\$1,000 .. 4 931 705	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 3 068 202	3
Building and other structures	\$1,000 .. 390 807	5
Machinery and equipment	\$1,000 .. 2 677 396	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 71 947	5
Computers and peripheral data processing equipment	\$1,000 .. 137 500	3
All other expenditures	\$1,000 .. 2 467 949	1
Total fringe benefits	\$1,000 .. 4 153 612	1
Cost of purchased fuels	\$1,000 .. 1 142 635	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 30 549 969	1
Cost	\$1,000 .. 1 239 639	1
Generated	1,000 kWh .. 4 684 004	4
Sold or transferred	1,000 kWh .. 65 732	3

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
HAWAII		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 323 665	9
Detail by stage of fabrication:		
Finished products	\$1,000 .. 200 982	11
Work-in-process	\$1,000 .. 30 741	4
Materials and supplies	\$1,000 .. 91 942	10
Total, end of year	\$1,000 .. 359 756	9
Detail by stage of fabrication:		
Finished products	\$1,000 .. 233 511	9
Work-in-process	\$1,000 .. 30 761	3
Materials and supplies	\$1,000 .. 95 484	11
Capital expenditures:		
Total (new and used)	\$1,000 .. 98 933	8
Building and other structures	\$1,000 .. 18 841	10
Machinery and equipment	\$1,000 .. 80 092	10
Automobiles, trucks, etc., for highway use	\$1,000 .. 12 710	36
Computers and peripheral data processing equipment	\$1,000 .. 4 697	14
All other expenditures	\$1,000 .. 62 685	1
Total fringe benefits	\$1,000 .. 128 011	10
Cost of purchased fuels	\$1,000 .. 44 621	6
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 260 442	17
Cost	\$1,000 .. 29 126	14
Generated	1,000 kWh .. 372 512	1
Sold or transferred	1,000 kWh .. D	S
IDAHO		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 1 588 457	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 573 305	4
Work-in-process	\$1,000 .. 399 594	2
Materials and supplies	\$1,000 .. 615 559	2
Total, end of year	\$1,000 .. 1 698 020	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 572 933	4
Work-in-process	\$1,000 .. 500 609	2
Materials and supplies	\$1,000 .. 624 479	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 946 744	2
Building and other structures	\$1,000 .. 85 863	4
Machinery and equipment	\$1,000 .. 860 881	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 11 769	17
Computers and peripheral data processing equipment	\$1,000 .. 37 190	3
All other expenditures	\$1,000 .. 811 922	1
Total fringe benefits	\$1,000 .. 496 631	2
Cost of purchased fuels	\$1,000 .. 189 386	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 5 424 725	1
Cost	\$1,000 .. 203 127	1
Generated	1,000 kWh .. 722 505	1
Sold or transferred	1,000 kWh .. D	S
ILLINOIS		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 18 308 191	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 8 036 411	2
Work-in-process	\$1,000 .. 4 064 951	1
Materials and supplies	\$1,000 .. 6 206 829	1
Total, end of year	\$1,000 .. 21 105 537	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 8 857 817	1
Work-in-process	\$1,000 .. 5 014 059	1
Materials and supplies	\$1,000 .. 7 233 662	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 5 822 503	1
Building and other structures	\$1,000 .. 1 016 015	4
Machinery and equipment	\$1,000 .. 4 806 488	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 105 015	4
Computers and peripheral data processing equipment	\$1,000 .. 462 437	3
All other expenditures	\$1,000 .. 4 239 036	1
Total fringe benefits	\$1,000 .. 8 086 033	1
Cost of purchased fuels	\$1,000 .. 1 619 168	4
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 39 543 510	2
Cost	\$1,000 .. 1 786 795	2
Generated	1,000 kWh .. 2 158 104	1
Sold or transferred	1,000 kWh .. 47 931	1

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
INDIANA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 14 041 629	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 5 161 850	2
Work-in-process	\$1,000 .. 3 299 296	1
Materials and supplies	\$1,000 .. 5 580 483	2
Total, end of year	\$1,000 .. 16 092 312	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 5 801 041	1
Work-in-process	\$1,000 .. 3 870 200	1
Materials and supplies	\$1,000 .. 6 421 071	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 5 195 582	1
Building and other structures	\$1,000 .. 761 065	2
Machinery and equipment	\$1,000 .. 4 434 517	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 101 535	5
Computers and peripheral data processing equipment	\$1,000 .. 187 784	2
All other expenditures	\$1,000 .. 4 145 197	1
Total fringe benefits	\$1,000 .. 7 031 184	1
Cost of purchased fuels	\$1,000 .. 2 312 883	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 44 313 014	1
Cost	\$1,000 .. 1 784 423	1
Generated	1,000 kWh .. 1 993 027	1
Sold or transferred	1,000 kWh .. 61 500	1
IOWA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 5 342 132	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 110 960	1
Work-in-process	\$1,000 .. 1 115 982	1
Materials and supplies	\$1,000 .. 2 115 191	7
Total, end of year	\$1,000 .. 5 849 032	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 324 838	1
Work-in-process	\$1,000 .. 1 289 958	1
Materials and supplies	\$1,000 .. 2 234 236	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 500 433	2
Building and other structures	\$1,000 .. 192 178	4
Machinery and equipment	\$1,000 .. 1 308 256	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 37 839	7
Computers and peripheral data processing equipment	\$1,000 .. 73 927	10
All other expenditures	\$1,000 .. 1 196 490	1
Total fringe benefits	\$1,000 .. 2 666 055	1
Cost of purchased fuels	\$1,000 .. 751 319	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 14 222 712	1
Cost	\$1,000 .. 590 496	1
Generated	1,000 kWh .. 1 175 409	1
Sold or transferred	1,000 kWh .. 40 389	1
KANSAS		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 7 132 317	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 045 442	2
Work-in-process	\$1,000 .. 3 179 554	1
Materials and supplies	\$1,000 .. 1 907 322	1
Total, end of year	\$1,000 .. 7 866 646	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 792 946	1
Work-in-process	\$1,000 .. 2 261 282	1
Materials and supplies	\$1,000 .. 2 812 418	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 546 074	2
Building and other structures	\$1,000 .. 521 784	2
Machinery and equipment	\$1,000 .. 1 024 290	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 36 380	5
Computers and peripheral data processing equipment	\$1,000 .. 81 154	2
All other expenditures	\$1,000 .. 906 755	1
Total fringe benefits	\$1,000 .. 2 095 810	1
Cost of purchased fuels	\$1,000 .. 420 214	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 9 572 935	1
Cost	\$1,000 .. 422 857	1
Generated	1,000 kWh .. D	S
Sold or transferred	1,000 kWh .. S	S

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
KENTUCKY		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 7 603 455	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 079 734	1
Work-in-process	\$1,000 .. 1 766 598	1
Materials and supplies	\$1,000 .. 2 757 124	1
Total, end of year	\$1,000 .. 8 387 254	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 044 248	1
Work-in-process	\$1,000 .. 2 071 874	1
Materials and supplies	\$1,000 .. 3 271 132	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 239 998	3
Building and other structures	\$1,000 .. 249 206	4
Machinery and equipment	\$1,000 .. 1 990 793	4
Automobiles, trucks, etc., for highway use	\$1,000 .. 49 512	21
Computers and peripheral data processing equipment	\$1,000 .. 157 571	2
All other expenditures	\$1,000 .. 1 783 710	1
Total fringe benefits	\$1,000 .. 3 219 101	1
Cost of purchased fuels	\$1,000 .. 824 409	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 31 336 639	1
Cost	\$1,000 .. 1 341 147	1
Generated	1,000 kWh .. 612 388	1
Sold or transferred	1,000 kWh .. 606 931	1
LOUISIANA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 6 793 248	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 406 366	1
Work-in-process	\$1,000 .. 1 377 094	2
Materials and supplies	\$1,000 .. 2 009 788	1
Total, end of year	\$1,000 .. 8 131 141	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 278 410	1
Work-in-process	\$1,000 .. 1 500 558	1
Materials and supplies	\$1,000 .. 2 352 172	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 963 710	1
Building and other structures	\$1,000 .. 187 700	2
Machinery and equipment	\$1,000 .. 2 775 010	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 31 090	6
Computers and peripheral data processing equipment	\$1,000 .. 72 118	1
All other expenditures	\$1,000 .. 2 672 802	1
Total fringe benefits	\$1,000 .. 1 964 973	1
Cost of purchased fuels	\$1,000 .. 3 838 558	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 30 984 678	1
Cost	\$1,000 .. 1 637 562	1
Generated	1,000 kWh .. 16 127 325	1
Sold or transferred	1,000 kWh .. 3 106 895	1
MAINE		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 1 541 772	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 593 271	2
Work-in-process	\$1,000 .. 466 017	2
Materials and supplies	\$1,000 .. 482 483	1
Total, end of year	\$1,000 .. 1 558 213	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 528 397	5
Work-in-process	\$1,000 .. 498 805	1
Materials and supplies	\$1,000 .. 531 012	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 540 439	2
Building and other structures	\$1,000 .. 44 259	4
Machinery and equipment	\$1,000 .. 496 180	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 11 338	10
Computers and peripheral data processing equipment	\$1,000 .. 20 928	3
All other expenditures	\$1,000 .. 463 914	1
Total fringe benefits	\$1,000 .. 701 680	1
Cost of purchased fuels	\$1,000 .. 191 253	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 4 162 548	1
Cost	\$1,000 .. 286 492	1
Generated	1,000 kWh .. 2 437 298	1
Sold or transferred	1,000 kWh .. D	S

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
MARYLAND		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 3 825 083	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 404 537	2
Work-in-process	\$1,000 .. 1 114 516	2
Materials and supplies	\$1,000 .. 1 306 029	2
Total, end of year	\$1,000 .. 3 941 235	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 427 525	1
Work-in-process	\$1,000 .. 1 139 789	1
Materials and supplies	\$1,000 .. 1 373 921	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 923 571	4
Building and other structures	\$1,000 .. 139 954	9
Machinery and equipment	\$1,000 .. 783 617	4
Automobiles, trucks, etc., for highway use	\$1,000 .. 32 761	11
Computers and peripheral data processing equipment	\$1,000 .. 64 438	5
All other expenditures	\$1,000 .. 686 418	1
Total fringe benefits	\$1,000 .. 1 715 582	1
Cost of purchased fuels	\$1,000 .. 390 838	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 9 147 727	1
Cost	\$1,000 .. 456 127	1
Generated	1,000 kWh .. 972 323	1
Sold or transferred	1,000 kWh .. S	S
MASSACHUSETTS		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 8 574 964	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 831 734	2
Work-in-process	\$1,000 .. 2 500 007	6
Materials and supplies	\$1,000 .. 3 243 224	1
Total, end of year	\$1,000 .. 9 255 081	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 119 433	2
Work-in-process	\$1,000 .. 2 506 063	2
Materials and supplies	\$1,000 .. 3 629 586	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 490 518	3
Building and other structures	\$1,000 .. 540 420	3
Machinery and equipment	\$1,000 .. 1 950 099	4
Automobiles, trucks, etc., for highway use	\$1,000 .. 44 402	6
Computers and peripheral data processing equipment	\$1,000 .. 211 879	4
All other expenditures	\$1,000 .. 1 693 817	1
Total fringe benefits	\$1,000 .. 3 690 828	1
Cost of purchased fuels	\$1,000 .. 351 527	7
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 8 098 039	1
Cost	\$1,000 .. 703 951	1
Generated	1,000 kWh .. 315 793	5
Sold or transferred	1,000 kWh .. 14 746	76
MICHIGAN		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 13 800 356	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 077 933	2
Work-in-process	\$1,000 .. 4 526 402	1
Materials and supplies	\$1,000 .. 5 196 021	1
Total, end of year	\$1,000 .. 14 751 906	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 402 627	2
Work-in-process	\$1,000 .. 4 831 715	1
Materials and supplies	\$1,000 .. 5 517 565	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 5 570 609	1
Building and other structures	\$1,000 .. 481 526	3
Machinery and equipment	\$1,000 .. 5 089 082	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 125 171	13
Computers and peripheral data processing equipment	\$1,000 .. 363 058	1
All other expenditures	\$1,000 .. 4 600 853	1
Total fringe benefits	\$1,000 .. 10 418 921	1
Cost of purchased fuels	\$1,000 .. 1 267 489	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 34 293 759	1
Cost	\$1,000 .. 1 606 897	1
Generated	1,000 kWh .. 1 701 977	1
Sold or transferred	1,000 kWh .. 198 104	1

See footnotes at end of table.

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[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
MINNESOTA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 7 873 236	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 125 960	3
Work-in-process	\$1,000 .. 1 617 029	5
Materials and supplies	\$1,000 .. 3 130 246	1
Total, end of year	\$1,000 .. 8 413 397	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 326 924	1
Work-in-process	\$1,000 .. 1 737 527	5
Materials and supplies	\$1,000 .. 3 348 946	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 455 046	2
Building and other structures	\$1,000 .. 367 367	5
Machinery and equipment	\$1,000 .. 2 087 679	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 55 675	14
Computers and peripheral data processing equipment	\$1,000 .. 165 846	2
All other expenditures	\$1,000 .. 1 866 157	1
Total fringe benefits	\$1,000 .. 3 389 806	1
Cost of purchased fuels	\$1,000 .. 578 962	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 14 557 770	1
Cost	\$1,000 .. 661 791	1
Generated	1,000 kWh .. 1 127 156	1
Sold or transferred	1,000 kWh .. 1 981	11
MISSISSIPPI		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 3 555 274	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 373 812	3
Work-in-process	\$1,000 .. 827 958	3
Materials and supplies	\$1,000 .. 1 353 504	3
Total, end of year	\$1,000 .. 3 800 912	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 404 534	1
Work-in-process	\$1,000 .. 853 003	4
Materials and supplies	\$1,000 .. 1 543 375	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 271 939	2
Building and other structures	\$1,000 .. 162 782	12
Machinery and equipment	\$1,000 .. 1 109 158	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 35 113	5
Computers and peripheral data processing equipment	\$1,000 .. 48 417	10
All other expenditures	\$1,000 .. 1 025 628	1
Total fringe benefits	\$1,000 .. 1 483 284	1
Cost of purchased fuels	\$1,000 .. 576 590	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 13 874 432	2
Cost	\$1,000 .. 539 293	2
Generated	1,000 kWh .. 1 912 834	1
Sold or transferred	1,000 kWh .. 21 905	1
MISSOURI		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 9 651 737	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 583 587	1
Work-in-process	\$1,000 .. 4 550 615	4
Materials and supplies	\$1,000 .. 2 517 536	2
Total, end of year	\$1,000 .. 10 066 941	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 787 479	1
Work-in-process	\$1,000 .. 4 290 697	3
Materials and supplies	\$1,000 .. 2 988 765	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 350 522	2
Building and other structures	\$1,000 .. 389 121	3
Machinery and equipment	\$1,000 .. 1 961 400	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 58 059	7
Computers and peripheral data processing equipment	\$1,000 .. 189 552	2
All other expenditures	\$1,000 .. 1 713 789	1
Total fringe benefits	\$1,000 .. 3 359 250	1
Cost of purchased fuels	\$1,000 .. 498 107	6
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 18 238 355	2
Cost	\$1,000 .. 740 700	2
Generated	1,000 kWh .. 186 889	1
Sold or transferred	1,000 kWh .. 66 507	13

See footnotes at end of table.

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Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
MONTANA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 593 993	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 245 051	3
Work-in-process	\$1,000 .. 95 876	4
Materials and supplies	\$1,000 .. 253 066	2
Total, end of year	\$1,000 .. 691 708	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 288 950	3
Work-in-process	\$1,000 .. 101 195	3
Materials and supplies	\$1,000 .. 301 563	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 193 115	3
Building and other structures	\$1,000 .. 14 102	3
Machinery and equipment	\$1,000 .. 179 013	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 3 819	12
Computers and peripheral data processing equipment	\$1,000 .. 5 901	8
All other expenditures	\$1,000 .. 169 294	1
Total fringe benefits	\$1,000 .. 179 878	3
Cost of purchased fuels	\$1,000 .. 99 184	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 3 936 925	1
Cost	\$1,000 .. 157 220	1
Generated	1,000 kWh .. 33 343	33
Sold or transferred	1,000 kWh .. D	S
NEBRASKA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 2 211 830	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 042 083	1
Work-in-process	\$1,000 .. 378 597	8
Materials and supplies	\$1,000 .. 791 149	2
Total, end of year	\$1,000 .. 2 464 040	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 153 347	1
Work-in-process	\$1,000 .. 431 260	3
Materials and supplies	\$1,000 .. 879 432	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 617 981	3
Building and other structures	\$1,000 .. 94 635	7
Machinery and equipment	\$1,000 .. 523 346	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 12 626	8
Computers and peripheral data processing equipment	\$1,000 .. 28 639	3
All other expenditures	\$1,000 .. 482 081	1
Total fringe benefits	\$1,000 .. 978 327	1
Cost of purchased fuels	\$1,000 .. 256 399	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 5 765 897	1
Cost	\$1,000 .. 212 040	1
Generated	1,000 kWh .. D	S
Sold or transferred	1,000 kWh .. D	S
NEVADA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 1 078 807	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 422 667	4
Work-in-process	\$1,000 .. 187 045	3
Materials and supplies	\$1,000 .. 469 095	4
Total, end of year	\$1,000 .. 1 186 871	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 456 954	3
Work-in-process	\$1,000 .. 197 697	4
Materials and supplies	\$1,000 .. 532 220	3
Capital expenditures:		
Total (new and used)	\$1,000 .. 379 848	3
Building and other structures	\$1,000 .. 62 726	16
Machinery and equipment	\$1,000 .. 317 122	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 18 368	2
Computers and peripheral data processing equipment	\$1,000 .. 20 784	3
All other expenditures	\$1,000 .. 277 970	1
Total fringe benefits	\$1,000 .. 395 222	1
Cost of purchased fuels	\$1,000 .. 75 527	4
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 2 439 297	2
Cost	\$1,000 .. 136 459	2
Generated	1,000 kWh .. 3 255	1
Sold or transferred	1,000 kWh .. 334	8

See footnotes at end of table.

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Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
NEW HAMPSHIRE		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 2 127 269	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 629 355	9
Work-in-process	\$1,000 .. 734 738	1
Materials and supplies	\$1,000 .. 763 175	2
Total, end of year	\$1,000 .. 2 113 329	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 616 510	2
Work-in-process	\$1,000 .. 748 555	4
Materials and supplies	\$1,000 .. 748 264	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 475 823	2
Building and other structures	\$1,000 .. 68 735	2
Machinery and equipment	\$1,000 .. 407 088	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 15 036	17
Computers and peripheral data processing equipment	\$1,000 .. 32 540	3
All other expenditures	\$1,000 .. 359 513	1
Total fringe benefits	\$1,000 .. 843 360	1
Cost of purchased fuels	\$1,000 .. 103 333	5
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 1 982 466	3
Cost	\$1,000 .. 188 096	3
Generated	1,000 kWh .. 188 069	11
Sold or transferred	1,000 kWh .. A	A
NEW JERSEY		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 10 663 948	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 838 828	2
Work-in-process	\$1,000 .. 1 962 564	1
Materials and supplies	\$1,000 .. 3 862 556	2
Total, end of year	\$1,000 .. 10 536 806	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 994 556	2
Work-in-process	\$1,000 .. 1 906 169	2
Materials and supplies	\$1,000 .. 3 636 081	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 3 112 752	3
Building and other structures	\$1,000 .. 816 829	8
Machinery and equipment	\$1,000 .. 2 295 923	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 57 616	4
Computers and peripheral data processing equipment	\$1,000 .. 191 006	3
All other expenditures	\$1,000 .. 2 047 301	1
Total fringe benefits	\$1,000 .. 3 521 914	1
Cost of purchased fuels	\$1,000 .. 732 447	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 12 087 377	1
Cost	\$1,000 .. 928 745	1
Generated	1,000 kWh .. 975 075	1
Sold or transferred	1,000 kWh .. 134 855	6
NEW MEXICO		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 1 064 421	8
Detail by stage of fabrication:		
Finished products	\$1,000 .. 375 447	19
Work-in-process	\$1,000 .. 468 374	5
Materials and supplies	\$1,000 .. 220 600	5
Total, end of year	\$1,000 .. 1 028 370	10
Detail by stage of fabrication:		
Finished products	\$1,000 .. 353 822	21
Work-in-process	\$1,000 .. 444 194	8
Materials and supplies	\$1,000 .. 230 354	4
Capital expenditures:		
Total (new and used)	\$1,000 .. 538 011	6
Building and other structures	\$1,000 .. 105 393	25
Machinery and equipment	\$1,000 .. 432 618	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 8 011	18
Computers and peripheral data processing equipment	\$1,000 .. 11 237	9
All other expenditures	\$1,000 .. 413 371	1
Total fringe benefits	\$1,000 .. 335 895	3
Cost of purchased fuels	\$1,000 .. 69 740	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 2 153 966	1
Cost	\$1,000 .. 115 797	1
Generated	1,000 kWh .. D	S
Sold or transferred	1,000 kWh .. -	X

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
NEW YORK		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 16 501 652	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 6 298 896	4
Work-in-process	\$1,000 .. 4 461 360	2
Materials and supplies	\$1,000 .. 5 741 396	4
Total, end of year	\$1,000 .. 16 542 978	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 6 214 034	2
Work-in-process	\$1,000 .. 4 346 560	1
Materials and supplies	\$1,000 .. 5 982 384	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 4 104 684	3
Building and other structures	\$1,000 .. 789 508	8
Machinery and equipment	\$1,000 .. 3 315 176	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 85 476	4
Computers and peripheral data processing equipment	\$1,000 .. 330 480	2
All other expenditures	\$1,000 .. 2 899 220	1
Total fringe benefits	\$1,000 .. 6 278 603	1
Cost of purchased fuels	\$1,000 .. 943 348	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 25 790 145	2
Cost	\$1,000 .. 1 372 122	2
Generated	1,000 kWh .. 2 150 125	1
Sold or transferred	1,000 kWh .. 227 004	1
NORTH CAROLINA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 14 990 120	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 5 529 684	1
Work-in-process	\$1,000 .. 2 984 377	1
Materials and supplies	\$1,000 .. 6 476 058	1
Total, end of year	\$1,000 .. 15 938 169	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 5 845 477	1
Work-in-process	\$1,000 .. 3 119 383	1
Materials and supplies	\$1,000 .. 6 973 308	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 3 655 696	1
Building and other structures	\$1,000 .. 478 226	5
Machinery and equipment	\$1,000 .. 3 177 470	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 78 961	5
Computers and peripheral data processing equipment	\$1,000 .. 194 804	2
All other expenditures	\$1,000 .. 2 903 705	1
Total fringe benefits	\$1,000 .. 5 657 663	1
Cost of purchased fuels	\$1,000 .. 916 328	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 31 974 597	1
Cost	\$1,000 .. 1 532 175	1
Generated	1,000 kWh .. 2 350 469	1
Sold or transferred	1,000 kWh .. 281 206	1
NORTH DAKOTA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 581 197	6
Detail by stage of fabrication:		
Finished products	\$1,000 .. 231 538	13
Work-in-process	\$1,000 .. 66 245	5
Materials and supplies	\$1,000 .. 283 414	2
Total, end of year	\$1,000 .. 717 417	3
Detail by stage of fabrication:		
Finished products	\$1,000 .. 264 518	8
Work-in-process	\$1,000 .. 118 596	2
Materials and supplies	\$1,000 .. 334 304	3
Capital expenditures:		
Total (new and used)	\$1,000 .. 139 777	4
Building and other structures	\$1,000 .. 36 560	3
Machinery and equipment	\$1,000 .. 103 218	4
Automobiles, trucks, etc., for highway use	\$1,000 .. 5 542	20
Computers and peripheral data processing equipment	\$1,000 .. 6 381	7
All other expenditures	\$1,000 .. 91 294	1
Total fringe benefits	\$1,000 .. 206 691	1
Cost of purchased fuels	\$1,000 .. 83 425	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 1 434 308	1
Cost	\$1,000 .. 56 567	1
Generated	1,000 kWh .. 194 588	1
Sold or transferred	1,000 kWh .. S	S

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
OHIO		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 20 528 415	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 8 121 933	1
Work-in-process	\$1,000 .. 4 621 600	2
Materials and supplies	\$1,000 .. 7 784 883	1
Total, end of year	\$1,000 .. 22 085 311	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 8 552 209	1
Work-in-process	\$1,000 .. 4 861 156	2
Materials and supplies	\$1,000 .. 8 671 946	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 6 342 921	1
Building and other structures	\$1,000 .. 696 427	4
Machinery and equipment	\$1,000 .. 5 646 494	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 142 273	7
Computers and peripheral data processing equipment	\$1,000 .. 326 141	3
All other expenditures	\$1,000 .. 5 178 081	1
Total fringe benefits	\$1,000 .. 10 440 940	1
Cost of purchased fuels	\$1,000 .. 2 101 336	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 54 112 568	1
Cost	\$1,000 .. 2 418 681	1
Generated	1,000 kWh .. 1 141 816	1
Sold or transferred	1,000 kWh .. 247 776	2
OKLAHOMA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 3 899 366	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 682 499	4
Work-in-process	\$1,000 .. 752 079	2
Materials and supplies	\$1,000 .. 1 464 787	1
Total, end of year	\$1,000 .. 4 239 776	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 820 072	1
Work-in-process	\$1,000 .. 865 017	2
Materials and supplies	\$1,000 .. 1 554 686	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 423 048	3
Building and other structures	\$1,000 .. 265 581	7
Machinery and equipment	\$1,000 .. 1 157 466	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 29 572	7
Computers and peripheral data processing equipment	\$1,000 .. 59 421	3
All other expenditures	\$1,000 .. 1 068 473	1
Total fringe benefits	\$1,000 .. 1 512 191	1
Cost of purchased fuels	\$1,000 .. 474 108	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 10 167 841	1
Cost	\$1,000 .. 424 271	1
Generated	1,000 kWh .. 959 625	1
Sold or transferred	1,000 kWh .. 1 469	27
OREGON		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 4 454 179	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 648 159	1
Work-in-process	\$1,000 .. 1 199 557	2
Materials and supplies	\$1,000 .. 1 606 463	3
Total, end of year	\$1,000 .. 4 907 357	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 756 014	1
Work-in-process	\$1,000 .. 1 274 978	2
Materials and supplies	\$1,000 .. 1 876 364	3
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 324 070	2
Building and other structures	\$1,000 .. 175 163	9
Machinery and equipment	\$1,000 .. 1 148 907	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 27 552	8
Computers and peripheral data processing equipment	\$1,000 .. 68 639	3
All other expenditures	\$1,000 .. 1 052 717	1
Total fringe benefits	\$1,000 .. 1 919 246	1
Cost of purchased fuels	\$1,000 .. 439 267	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 13 048 233	1
Cost	\$1,000 .. 572 420	1
Generated	1,000 kWh .. 1 125 819	1
Sold or transferred	1,000 kWh .. D	S

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
PENNSYLVANIA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 18 779 530	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 7 037 961	1
Work-in-process	\$1,000 .. 5 231 635	1
Materials and supplies	\$1,000 .. 6 509 934	1
Total, end of year	\$1,000 .. 20 259 886	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 7 563 104	1
Work-in-process	\$1,000 .. 5 697 538	1
Materials and supplies	\$1,000 .. 6 999 244	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 5 167 936	3
Building and other structures	\$1,000 .. 747 345	4
Machinery and equipment	\$1,000 .. 4 420 592	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 123 858	4
Computers and peripheral data processing equipment	\$1,000 .. 431 946	19
All other expenditures	\$1,000 .. 3 864 788	1
Total fringe benefits	\$1,000 .. 7 404 850	1
Cost of purchased fuels	\$1,000 .. 1 885 808	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 36 785 740	1
Cost	\$1,000 .. 1 884 239	1
Generated	1,000 kWh .. 3 676 048	1
Sold or transferred	1,000 kWh .. 1 009 204	1
RHODE ISLAND		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 1 381 264	6
Detail by stage of fabrication:		
Finished products	\$1,000 .. 550 769	15
Work-in-process	\$1,000 .. 293 027	3
Materials and supplies	\$1,000 .. 537 467	1
Total, end of year	\$1,000 .. 1 412 230	5
Detail by stage of fabrication:		
Finished products	\$1,000 .. 566 195	11
Work-in-process	\$1,000 .. 281 796	5
Materials and supplies	\$1,000 .. 564 239	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 294 158	8
Building and other structures	\$1,000 .. 41 910	10
Machinery and equipment	\$1,000 .. 252 247	8
Automobiles, trucks, etc., for highway use	\$1,000 .. 9 474	12
Computers and peripheral data processing equipment	\$1,000 .. 38 096	8
All other expenditures	\$1,000 .. 204 678	1
Total fringe benefits	\$1,000 .. 503 572	4
Cost of purchased fuels	\$1,000 .. 55 433	4
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 1 440 375	12
Cost	\$1,000 .. 126 628	3
Generated	1,000 kWh .. D	S
Sold or transferred	1,000 kWh .. 679	1
SOUTH CAROLINA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 7 903 098	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 112 137	1
Work-in-process	\$1,000 .. 1 415 403	1
Materials and supplies	\$1,000 .. 3 375 559	1
Total, end of year	\$1,000 .. 7 996 971	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 021 388	1
Work-in-process	\$1,000 .. 1 444 621	1
Materials and supplies	\$1,000 .. 3 530 963	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 288 190	3
Building and other structures	\$1,000 .. 239 458	3
Machinery and equipment	\$1,000 .. 2 048 732	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 30 715	4
Computers and peripheral data processing equipment	\$1,000 .. 84 731	2
All other expenditures	\$1,000 .. 1 933 285	1
Total fringe benefits	\$1,000 .. 3 054 516	1
Cost of purchased fuels	\$1,000 .. 786 625	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 28 916 516	1
Cost	\$1,000 .. 1 165 835	1
Generated	1,000 kWh .. 3 497 090	1
Sold or transferred	1,000 kWh .. 1 366 851	1

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

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Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
SOUTH DAKOTA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 866 179	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 318 558	2
Work-in-process	\$1,000 .. 174 398	2
Materials and supplies	\$1,000 .. 373 223	2
Total, end of year	\$1,000 .. 926 142	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 343 928	1
Work-in-process	\$1,000 .. 207 486	1
Materials and supplies	\$1,000 .. 374 728	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 242 837	4
Building and other structures	\$1,000 .. 35 148	4
Machinery and equipment	\$1,000 .. 207 689	4
Automobiles, trucks, etc., for highway use	\$1,000 .. 10 466	15
Computers and peripheral data processing equipment	\$1,000 .. 11 803	5
All other expenditures	\$1,000 .. 185 420	1
Total fringe benefits	\$1,000 .. 322 825	1
Cost of purchased fuels	\$1,000 .. 65 155	7
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 1 245 072	8
Cost	\$1,000 .. 60 698	7
Generated	1,000 kWh .. D	S
Sold or transferred	1,000 kWh .. -	X
TENNESSEE		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 9 656 831	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 774 346	1
Work-in-process	\$1,000 .. 1 480 558	1
Materials and supplies	\$1,000 .. 3 401 927	1
Total, end of year	\$1,000 .. 10 628 812	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 5 150 772	1
Work-in-process	\$1,000 .. 1 574 221	1
Materials and supplies	\$1,000 .. 3 903 819	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 3 758 841	5
Building and other structures	\$1,000 .. 427 355	10
Machinery and equipment	\$1,000 .. 3 331 485	5
Automobiles, trucks, etc., for highway use	\$1,000 .. 99 235	10
Computers and peripheral data processing equipment	\$1,000 .. 128 042	14
All other expenditures	\$1,000 .. 3 104 209	1
Total fringe benefits	\$1,000 .. 4 529 013	1
Cost of purchased fuels	\$1,000 .. 849 264	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 30 104 953	1
Cost	\$1,000 .. 1 216 446	1
Generated	1,000 kWh .. 2 504 375	1
Sold or transferred	1,000 kWh .. D	S
TEXAS		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 29 234 071	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 12 215 972	1
Work-in-process	\$1,000 .. 7 086 670	1
Materials and supplies	\$1,000 .. 9 931 429	1
Total, end of year	\$1,000 .. 32 617 410	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 14 313 266	1
Work-in-process	\$1,000 .. 7 233 670	1
Materials and supplies	\$1,000 .. 11 070 473	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 9 288 812	1
Building and other structures	\$1,000 .. 1 177 031	1
Machinery and equipment	\$1,000 .. 8 111 781	1
Automobiles, trucks, etc., for highway use	\$1,000 .. 159 252	6
Computers and peripheral data processing equipment	\$1,000 .. 352 714	1
All other expenditures	\$1,000 .. 7 599 815	1
Total fringe benefits	\$1,000 .. 8 883 385	1
Cost of purchased fuels	\$1,000 .. 7 336 214	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 83 239 183	1
Cost	\$1,000 .. 4 322 147	1
Generated	1,000 kWh .. 27 981 569	1
Sold or transferred	1,000 kWh .. 2 070 783	1

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Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
UTAH		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 2 675 380	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 134 041	2
Work-in-process	\$1,000 .. 584 135	1
Materials and supplies	\$1,000 .. 957 204	2
Total, end of year	\$1,000 .. 2 917 544	2
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 187 138	2
Work-in-process	\$1,000 .. 672 994	1
Materials and supplies	\$1,000 .. 1 057 412	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 737 288	5
Building and other structures	\$1,000 .. 92 950	5
Machinery and equipment	\$1,000 .. 644 338	5
Automobiles, trucks, etc., for highway use	\$1,000 .. 21 212	11
Computers and peripheral data processing equipment	\$1,000 .. 44 507	6
All other expenditures	\$1,000 .. 578 619	1
Total fringe benefits	\$1,000 .. 1 057 814	2
Cost of purchased fuels	\$1,000 .. 184 709	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 6 263 522	3
Cost	\$1,000 .. 241 468	5
Generated	1,000 kWh .. D	S
Sold or transferred	1,000 kWh .. D	S
VERMONT		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 1 283 717	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 312 253	3
Work-in-process	\$1,000 .. 648 059	1
Materials and supplies	\$1,000 .. 323 405	3
Total, end of year	\$1,000 .. 1 327 789	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 323 313	3
Work-in-process	\$1,000 .. 694 594	1
Materials and supplies	\$1,000 .. 309 883	3
Capital expenditures:		
Total (new and used)	\$1,000 .. 262 638	4
Building and other structures	\$1,000 .. 32 204	6
Machinery and equipment	\$1,000 .. 230 434	4
Automobiles, trucks, etc., for highway use	\$1,000 .. 8 095	41
Computers and peripheral data processing equipment	\$1,000 .. 24 482	20
All other expenditures	\$1,000 .. 197 857	1
Total fringe benefits	\$1,000 .. 414 235	1
Cost of purchased fuels	\$1,000 .. 40 870	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 1 378 360	1
Cost	\$1,000 .. 102 475	1
Generated	1,000 kWh .. 6 862	3
Sold or transferred	1,000 kWh .. D	S
VIRGINIA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 8 604 650	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 748 907	1
Work-in-process	\$1,000 .. 1 848 464	4
Materials and supplies	\$1,000 .. 4 007 279	1
Total, end of year	\$1,000 .. 8 606 071	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 2 746 966	1
Work-in-process	\$1,000 .. 1 865 563	4
Materials and supplies	\$1,000 .. 3 993 543	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 2 361 059	2
Building and other structures	\$1,000 .. 380 633	5
Machinery and equipment	\$1,000 .. 1 980 425	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 63 847	18
Computers and peripheral data processing equipment	\$1,000 .. 108 608	3
All other expenditures	\$1,000 .. 1 807 970	1
Total fringe benefits	\$1,000 .. 3 629 883	4
Cost of purchased fuels	\$1,000 .. 695 326	2
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 19 769 023	2
Cost	\$1,000 .. 793 874	2
Generated	1,000 kWh .. 2 396 501	1
Sold or transferred	1,000 kWh .. D	S

See footnotes at end of table.

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[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
WASHINGTON		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 15 673 978	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 507 430	1
Work-in-process	\$1,000 .. 9 563 477	1
Materials and supplies	\$1,000 .. 2 603 070	2
Total, end of year	\$1,000 .. 15 218 853	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 3 562 542	1
Work-in-process	\$1,000 .. 8 845 420	1
Materials and supplies	\$1,000 .. 2 810 892	2
Capital expenditures:		
Total (new and used)	\$1,000 .. 1 629 060	3
Building and other structures	\$1,000 .. 218 723	6
Machinery and equipment	\$1,000 .. 1 410 337	3
Automobiles, trucks, etc., for highway use	\$1,000 .. 40 773	6
Computers and peripheral data processing equipment	\$1,000 .. 95 323	4
All other expenditures	\$1,000 .. 1 274 240	1
Total fringe benefits	\$1,000 .. 3 748 954	1
Cost of purchased fuels	\$1,000 .. 571 372	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 21 744 448	1
Cost	\$1,000 .. 939 781	1
Generated	1,000 kWh .. 3 015 684	1
Sold or transferred	1,000 kWh .. 4 248 198	1
WEST VIRGINIA		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 2 388 580	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 023 843	1
Work-in-process	\$1,000 .. 508 057	1
Materials and supplies	\$1,000 .. 856 680	1
Total, end of year	\$1,000 .. 2 647 045	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 1 111 743	1
Work-in-process	\$1,000 .. 569 383	2
Materials and supplies	\$1,000 .. 965 918	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 622 647	4
Building and other structures	\$1,000 .. 137 657	7
Machinery and equipment	\$1,000 .. 484 990	5
Automobiles, trucks, etc., for highway use	\$1,000 .. 13 683	23
Computers and peripheral data processing equipment	\$1,000 .. 17 642	3
All other expenditures	\$1,000 .. 453 665	1
Total fringe benefits	\$1,000 .. 808 252	1
Cost of purchased fuels	\$1,000 .. 482 699	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 9 966 505	1
Cost	\$1,000 .. 335 343	2
Generated	1,000 kWh .. 1 816 655	1
Sold or transferred	1,000 kWh .. 22 601	17
WISCONSIN		
Manufacturers' inventories:		
Total, beginning of year	\$1,000 .. 11 686 599	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 4 873 704	1
Work-in-process	\$1,000 .. 2 360 477	1
Materials and supplies	\$1,000 .. 4 452 419	1
Total, end of year	\$1,000 .. 12 944 068	1
Detail by stage of fabrication:		
Finished products	\$1,000 .. 5 314 425	1
Work-in-process	\$1,000 .. 2 569 987	1
Materials and supplies	\$1,000 .. 5 059 656	1
Capital expenditures:		
Total (new and used)	\$1,000 .. 3 512 281	2
Building and other structures	\$1,000 .. 488 010	5
Machinery and equipment	\$1,000 .. 3 024 271	2
Automobiles, trucks, etc., for highway use	\$1,000 .. 72 795	5
Computers and peripheral data processing equipment	\$1,000 .. 210 919	2
All other expenditures	\$1,000 .. 2 740 558	1
Total fringe benefits	\$1,000 .. 5 705 622	1
Cost of purchased fuels	\$1,000 .. 1 007 272	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh .. 24 479 926	1
Cost	\$1,000 .. 1 171 317	1
Generated	1,000 kWh .. 2 550 116	2
Sold or transferred	1,000 kWh .. D	S

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 2004—Con.

[Data based on the 2004 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic area and item	Value	Relative standard error of estimate ¹ (percent)
WYOMING		
Manufacturers' inventories:		
Total, beginning of year	\$1,000.. 319 347	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 156 542	1
Work-in-process	\$1,000.. 48 138	1
Materials and supplies	\$1,000.. 114 667	1
Total, end of year	\$1,000.. 366 433	1
Detail by stage of fabrication:		
Finished products	\$1,000.. 168 987	2
Work-in-process	\$1,000.. 59 140	1
Materials and supplies	\$1,000.. 138 306	1
Capital expenditures:		
Total (new and used)	\$1,000.. 317 568	1
Building and other structures	\$1,000.. 24 677	3
Machinery and equipment	\$1,000.. 292 890	1
Automobiles, trucks, etc., for highway use	\$1,000.. 4 235	8
Computers and peripheral data processing equipment	\$1,000.. 2 474	3
All other expenditures	\$1,000.. 286 182	1
Total fringe benefits	\$1,000.. 95 235	1
Cost of purchased fuels	\$1,000.. 114 563	1
Electric energy used for heat and power:		
Purchased:		
Quantity	1,000 kWh.. 2 967 163	1
Cost	\$1,000.. 112 043	1
Generated	D	S
Sold or transferred	D	S

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 2004 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 are employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as company-operated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees.

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 is not at the establishment.

VALUE ADDED

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

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

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

COST OF MATERIALS

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

Included in total cost of materials are:

1. Cost of parts, components, containers, etc. Includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.
2. Cost of products bought and sold in the same condition.

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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.

TOTAL VALUE OF SHIPMENTS

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

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

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

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

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

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

Duplication in cost of materials and value of shipments

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

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

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

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

CAPITAL EXPENDITURES FOR NEW AND USED PLANT AND EQUIPMENT

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

These data include expenditures for:

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

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

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

TOTAL BEGINNING AND END OF YEAR INVENTORIES

These items are comprised of:

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

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

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

Appendix B.

NAICS Codes, Titles, and Descriptions

SECTOR 31-33 MANUFACTURING

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

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

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

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

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

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

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

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

311 FOOD MANUFACTURING

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

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

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

312 BEVERAGE AND TOBACCO PRODUCT MANUFACTURING

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

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

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

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

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

1. those engaged in redrying and stemming tobacco and

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2. those that manufacture tobacco products, such as cigarettes and cigars.

313 TEXTILE MILLS

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

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

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

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

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).

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.

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.

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.

322 PAPER MANUFACTURING

Industries in the Paper Manufacturing subsector make pulp, paper, or converted paper products. The manufacturing of these products is grouped together because they constitute a series of vertically connected processes. More than one is often carried out in a single establishment. There are essentially three activities. The manufacturing of pulp involves separating the cellulose fibers from other impurities in wood or used paper. The manufacturing of paper involves matting these fibers into a sheet. Converted paper products are made from paper and other materials by various cutting and shaping techniques and includes coating and laminating activities.

The Paper Manufacturing subsector is subdivided into two industry groups, the first for the manufacturing of pulp and paper and the second for the manufacturing of converted paper products. Paper making is treated as the core activity of the subsector. Therefore, any establishment that makes paper (including paperboard), either alone or in combination with pulp manufacturing or paper converting, is classified as a paper or paperboard mill. Establishments that make pulp without making paper are classified as pulp mills. Pulp mills, paper mills and paperboard mills comprise the first industry group.

Establishments that make products from purchased paper and other materials make up the second industry group, Converted Paper Product Manufacturing. This general activity is then subdivided based, for the most part, on process distinctions. Paperboard container manufacturing uses corrugating, cutting, and shaping machinery to form paperboard into containers. Paper bag and coated and treated paper manufacturing establishments cut and coat paper and foil. Stationery product manufacturing establishments make a variety of paper products used for writing, filing, and similar applications. Other converted paper product manufacturing includes, in particular, the conversion of sanitary paper stock into such things as tissue paper and disposable diapers.

An important process used in the Paper Bag and Coated and Treated Paper Manufacturing industry is lamination, often combined with coating. Lamination and coating makes a composite material with improved properties of strength, impermeability, and so on. The laminated materials may be paper, metal foil, or plastics film. While paper is often one of the components, it is not always. Lamination of plastics film to plastics film is classified in the North American Industry Classification System (NAICS) Subsector 326, Plastics and Rubber Products Manufacturing, because establishments that do this often first make the film. The same situation holds with respect to bags. The manufacturing of bags from plastics only, whether or not laminated, is classified in Subsector 326, Plastics and Rubber Products Manufacturing, but all other bag manufacturing is classified in this subsector.

Excluded from this subsector are photosensitive papers. These papers are chemically treated and are classified in Industry 32599, All Other Chemical Product and Preparation Manufacturing.

323 PRINTING AND RELATED SUPPORT ACTIVITIES

Industries in the Printing and Related Support Activities subsector print products, such as newspapers, books, labels, business cards, stationery, business forms, and other materials, and perform support activities, such as data imaging, platemaking services, and bookbinding. The support activities included here are an integral part of the printing industry, and a product (a printing plate, a bound book, or a computer disk or file) that is an integral part of the printing industry is almost always provided by these operations.

Processes used in printing include a variety of methods used to transfer an image from a plate, screen, film, or computer file to some medium, such as paper, plastics, metal, textile articles, or wood. The most prominent of these methods is to transfer the image from a plate or screen to the medium (lithographic, gravure, screen, and flexographic printing). A rapidly growing new technology uses a computer file to directly “drive” the printing mechanism to create the image and new electrostatic and other types of equipment (digital or nonimpact printing).

In contrast to many other classification systems that locate publishing of printed materials in manufacturing, the North American Industry Classification System (NAICS) classifies the publishing of printed products in Subsector 511, Publishing Industries (except Internet). Though printing and publishing are often carried out by the same enterprise (a newspaper, for example), it is less and less the case that these distinct activities are carried out in the same establishment. When publishing and printing are done in the same establishment, the establishment is classified in Sector 51, Information, in the appropriate NAICS industry even if the receipts for printing exceed those for publishing.

This subsector includes printing on clothing because the production process for that activity is printing, not clothing manufacturing. For instance, the printing of T-shirts is included in this subsector. In contrast, printing on fabric (or grey goods) is not included. This activity is part of the process of finishing the fabric and is included in the NAICS Textile Mills subsector in Industry 31331, Textile and Fabric Finishing Mills.

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.

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.

326 PLASTICS AND RUBBER PRODUCTS MANUFACTURING

Industries in the Plastics and Rubber Products Manufacturing subsector make goods by processing plastics materials and raw rubber. The core technology employed by establishments in this subsector is that of plastics or rubber product production. Plastics and rubber are combined in the same subsector because plastics are increasingly being used as a substitute for rubber; however the subsector is generally restricted to the production of products made of just one material, either solely plastics or rubber.

Many manufacturing activities use plastics or rubber, for example the manufacture of footwear, or furniture. Typically, the production process of these products involves more than one material. In these cases, technologies that allow disparate materials to be formed and combined are of central importance in describing the manufacturing activity. In the North American Industry Classification System (NAICS), such activities (the footwear and furniture manufacturing) are not classified in the Plastics and Rubber Products Manufacturing subsector because the core technologies for these activities are diverse and involve multiple materials.

Within the Plastics and Rubber Products Manufacturing subsector, a distinction is made between plastics and rubber products at the industry group level, although it is not a rigid distinction, as can be seen from the definition of Industry 32622, Rubber and Plastics Hoses and Belting Manufacturing. As materials technology progresses, plastics are increasingly being used as a substitute for rubber; and eventually, the distinction may disappear as a basis for establishment classification.

In keeping with the core technology focus of plastics, lamination of plastics film to plastics film as well as the production of bags from plastics only is classified in this subsector. Lamination and bag production involving plastics and materials other than plastics are classified in the NAICS Subsector 322, Paper Manufacturing.

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.

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.

332 FABRICATED METAL PRODUCT MANUFACTURING

Industries in the Fabricated Metal Product Manufacturing subsector transform metal into intermediate or end products, other than machinery, computers and electronics, and metal furniture or treating metals and metal formed products fabricated elsewhere. Important fabricated metal processes are forging, stamping, bending, forming, and machining, used to shape individual pieces of metal; and other processes, such as welding and assembling, used to join separate parts together. Establishments in this subsector may use one of these processes or a combination of these processes.

The North American Industry Classification System (NAICS) structure for this subsector distinguishes the forging and stamping processes in a single industry. The remaining industries, in the subsector, group establishments based on similar combinations of processes used to make products.

The manufacturing performed in the Fabricated Metal Product Manufacturing subsector begins with manufactured metal shapes. The establishments in this sector further fabricate the purchased metal shapes into a product. For instance, the Spring and Wire Product Manufacturing industry starts with wire and fabricates such items.

Within manufacturing there are other establishments that make the same products made by this subsector; only these establishments begin production further back in the production process. These establishments have a more integrated operation. For instance, one establishment may manufacture steel, draw it into wire, and make wire products in the same establishment. Such operations are classified in the Primary Metal Manufacturing subsector.

333 MACHINERY MANUFACTURING

Industries in the Machinery Manufacturing subsector create end products that apply mechanical force, for example, the application of gears and levers, to perform work. Some important processes for the manufacture of machinery are forging, stamping, bending, forming, and machining

that are used to shape individual pieces of metal. Processes, such as welding and assembling are used to join separate parts together. Although these processes are similar to those used in metal fabricating establishments, machinery manufacturing is different because it typically employs multiple metal forming processes in manufacturing the various parts of the machine. Moreover, complex assembly operations are an inherent part of the production process.

In general, design considerations are very important in machinery production. Establishments specialize in making machinery designed for particular applications. Thus, design is considered to be part of the production process for the purpose of implementing the North American Industry Classification System (NAICS). The NAICS structure reflects this by defining industries and industry groups that make machinery for different applications. A broad distinction exists between machinery that is generally used in a variety of industrial applications (i.e., general purpose machinery) and machinery that is designed to be used in a particular industry (i.e., special purpose machinery). Three industry groups consist of special purpose machinery--Agricultural, Construction, and Mining Machinery Manufacturing; Industrial Machinery Manufacturing; and Commercial and Service Industry Machinery Manufacturing. The other industry groups make general-purpose machinery: Ventilation, Heating, Air Conditioning, and Commercial Refrigeration Equipment Manufacturing; Metalworking Machinery Manufacturing; Engine, Turbine, and Power Transmission Equipment Manufacturing; and Other General Purpose Machinery Manufacturing.

334 COMPUTER AND ELECTRONIC PRODUCT MANUFACTURING

Industries in the Computer and Electronic Product Manufacturing subsector group establishments that manufacture computers, computer peripherals, communications equipment, and similar electronic products, and establishments that manufacture components for such products. The Computer and Electronic Product Manufacturing industries have been combined in the hierarchy of the North American Industry Classification System (NAICS) because of the economic significance they have attained. Their rapid growth suggests that they will become even more important to the economies of all three North American countries in the future, and in addition their manufacturing processes are fundamentally different from the manufacturing processes of other machinery and equipment. The design and use of integrated circuits and the application of highly specialized miniaturization technologies are common elements in the production technologies of the computer and electronic subsector. Convergence of technology motivates this NAICS subsector. Digitalization of sound recording, for example, causes both the medium (the compact disc) and the equipment to resemble the technologies for recording, storing, transmitting, and manipulating data. Communications technology and equipment have been converging with computer technology. When technologically-related components are in the same sector, it makes it easier to adjust the classification for future changes, without needing to redefine its basic structure. The creation of the Computer and Electronic Product Manufacturing subsector will assist in delineating new and emerging industries because the activities that will serve as the probable sources of new industries, such as computer manufacturing and communications equipment manufacturing, or computers and audio equipment, are brought together. As new activities emerge, they are less likely therefore, to cross the subsector boundaries of the classification.

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).

336 TRANSPORTATION EQUIPMENT MANUFACTURING

Industries in the Transportation Equipment Manufacturing subsector produce equipment for transporting people and goods. Transportation equipment is a type of machinery. An entire subsector is devoted to this activity because of the significance of its economic size in all three North American countries.

Establishments in this subsector utilize production processes similar to those of other machinery manufacturing establishments — bending, forming, welding, machining, and assembling metal or plastic parts into components and finished products. However, the assembly of components and subassemblies and their further assembly into finished vehicles tends to be a more common production process in this subsector than in the Machinery Manufacturing subsector.

The North American Industry Classification System (NAICS) has industry groups for the manufacture of equipment for each mode of transport — road, rail, air and water. Parts for motor vehicles warrant a separate industry group because of their importance and because parts manufacture requires less assembly, and the establishments that manufacture only parts are not as vertically integrated as those that make complete vehicles.

Land use motor vehicle equipment not designed for highway operation (e.g., agricultural equipment, construction equipment, and materials handling equipment) is classified in the appropriate NAICS subsector based on the type and use of the equipment.

337 FURNITURE AND RELATED PRODUCT MANUFACTURING

Industries in the Furniture and Related Product Manufacturing subsector make furniture and related articles, such as mattresses, window blinds, cabinets, and fixtures. The processes used in the manufacture of furniture include the cutting, bending, molding, laminating, and assembly of such materials as wood, metal, glass, plastics, and rattan. However, the production process for furniture is not solely bending metal, cutting and shaping wood, or extruding and molding plastics. Design and fashion trends play an important part in the production of furniture. The integrated design of the article for both esthetic and functional qualities is also a major part of the process of manufacturing furniture. Design services may be performed by the furniture establishment's work force or may be purchased from industrial designers.

Furniture may be made of any material, but the most common ones used in North America are metal and wood. Furniture manufacturing establishments may specialize in making articles primarily from one material. Some of the equipment required to make a wooden table, for example, is different from that used to make a metal one. However, furniture is usually made from several materials. A wooden table might have metal brackets, and a wooden chair a fabric or plastics seat. Therefore, in the North American Industry Classification System (NAICS), furniture initially is classified based on the type of furniture (application for which it is designed) rather than the material used. For example, an upholstered sofa is treated as household furniture, although it may also be used in hotels or offices.

When classifying furniture according to the component material from which it is made, furniture made from more than one material is classified based on the material used in the frame, or if there is no frame, the predominant component material. Upholstered household furniture (excluding kitchen and dining room chairs with upholstered seats) is classified without regard to the frame material. Kitchen or dining room chairs with upholstered seats are classified according to the frame material.

Furniture may be made on a stock or custom basis and may be shipped assembled or unassembled (i.e., knockdown). The manufacture of furniture parts and frames is included in this subsector.

Some of the processes used in furniture manufacturing are similar to processes that are used in other segments of manufacturing. For example, cutting and assembly occurs in the production of wood trusses that are classified in Subsector 321, Wood Product Manufacturing. However, the multiple processes that distinguish wood furniture manufacturing from wood product manufacturing warrant inclusion of wooden furniture manufacturing in the Furniture and Related Product

Manufacturing subsector. Metal furniture manufacturing uses techniques that are also employed in the manufacturing of roll-formed products classified in Subsector 332, Fabricated Metal Product Manufacturing. The molding process for plastics furniture is similar to the molding of other plastics products. However, plastics furniture producing establishments tend to specialize in furniture.

NAICS attempts to keep furniture manufacturing together, but there are two notable exceptions: seating for transportation equipment and laboratory and hospital furniture. These exceptions are related to that fact that some of the aspects of the production process for these products, primarily the design, are highly integrated with that of other manufactured goods, namely motor vehicles and health equipment.

339 MISCELLANEOUS MANUFACTURING

Industries in the Miscellaneous Manufacturing subsector make a wide range of products that cannot readily be classified in specific North American Industrial Classification System (NAICS) subsectors in manufacturing. Processes used by these establishments vary significantly, both among and within industries. For example, a variety of manufacturing processes are used in manufacturing sporting and athletic goods that include products, such as tennis racquets and golf balls. The processes for these products differ from each other, and the processes differ significantly from the fabrication processes used in making dolls or toys, the melting and shaping of precious metals to make jewelry, and the bending, forming, and assembly used in making medical products.

The industries in this subsector are defined by what is made rather than how it is made. Although individual establishments might be appropriately classified elsewhere in the NAICS structure, for historical continuity, these product-based industries were maintained. In most cases, no one process or material predominates for an industry.

Establishments in this subsector manufacture products as diverse as medical equipment and supplies, jewelry, sporting goods, toys, and office supplies.

Appendix C.

Methodology

SOURCES OF THE DATA

The Annual Survey of Manufactures (ASM) is a sample survey of approximately 50,000 establishments. A new sample is selected at 5-year intervals beginning the second survey year subsequent to the Economic Census — Manufacturing. Since 2004 is the second survey year following the 2002 Economic Census, a new sample is selected based on the 2002 Economic Census — Manufacturing.

In 2002, there were approximately 346,000 active manufacturing establishments. For sample efficiency and cost considerations, the 2002 manufacturing population is partitioned into two groups: (1) establishments eligible to be mailed a questionnaire and (2) establishments not eligible to be mailed a questionnaire. The following is a description of the 2004 ASM sample design:

1. Establishments that are eligible to be sent a report form:

This is defined as the mail stratum. It is comprised of larger single-location manufacturing companies and all manufacturing establishments of multi-location companies. The mail stratum is comprised of approximately 128,000 establishments. On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multi-location companies identified from the Census Bureau's Company Organization Survey (COS).

The 2004–2008 ASM sample design differs from the 1999–2003 sample design. For most economic surveys, a number of units are included in the sample with certainty; i.e. their probability of selection for the survey is 1.00. Remaining units are generally assigned a probability that is consistent with their relative importance in the industry or other key aggregations. For the 2004 ASM, both the “certainty” criteria and the methodology for deriving the probabilities of selection are revised. The ASM is an establishment-based survey; the establishment serves as both the sample unit and the collection unit. Establishments in the 2002 Economic Census — Manufacturing that satisfied any of the following criteria are included in the sample with certainty: (1) the total employment for the establishment for 2002 is greater than or equal to 1,000; (2) the establishment is identified as one of the 10 largest establishments within the industry (employment); (3) the establishment is classified within an industry with fewer than 20 establishments; (4) the establishment is classified in the computer or flat-glass industry, or (5) the establishment is located within a State where there are fewer than 20 additional establishments in the same North American Industry Classification System (NAICS) group (NAICS group is defined as the set of NAICS industries that have the same first four digits). Collectively, there are approximately 9,700 establishments that are selected with certainty. These establishments accounted for approximately 44 percent of the total value of shipments in the 2002 Economic Census — Manufacturing.

Smaller establishments in the remaining portion of the mail stratum are sampled with probabilities ranging from .05 to 1.00. Each of the 473 industries and 1,450 product classes are considered to be a separate population. Using variable reliability constraints, each establishment within a given population is assigned an initial probability of selection that reflected its relative importance within the population. Establishments producing products in multiple product classes received multiple initial probabilities. The final probability of selection for a specific establishment is defined as the largest of their initial probabilities.

This method of assigning probabilities is motivated by the Census Bureau's primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that

these variables will also be well represented. For sample selection purposes, each establishment is assigned to an industry stratum. Within each of the 473 industry strata, an independent sample is selected using the final probability of selection associated with the establishments classified within the stratum. A fixed-sample size methodology is used to assure that the desired sample size is realized.

2. Establishments not eligible to be sent a report form:

- a. This is defined as the nonmail stratum. The nonmail stratum consists of small and medium-sized, single-establishment companies from the Economic Census — Manufacturing. The initial nonmail stratum of the 2004 sample contained approximately 218,000 single-establishment companies from the 2002 Economic Census — Manufacturing. This is significantly higher than previous cycles of the survey and is motivated by the desire to reduce the reporting burden on this segment of the universe.

The nonmail stratum is supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS). Data for establishments included in the nonmail stratum are estimated using information obtained from the administrative records of the IRS and Social Security Administration (SSA), and are included in the published ASM estimates. This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions which safeguard the confidentiality of both tax and census records.

- b. All nonemployers, i.e., all firms subject to federal income tax, with no paid employees during 2004, are excluded as in previous ASM. Data for nonemployers are not included in this report, but are released in the annual *Nonemployer Statistics* series.

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

The ASM reports to review online are available at <http://www.census.gov/mcd/asmhome.html>.

ESTABLISHMENT BASIS OF REPORTING

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

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

RELIABILITY OF DATA

All estimates produced in the Annual Survey of Manufactures (ASM) are subject to both sampling and nonsampling errors. Sampling error is inherent to all sample surveys and reflects the natural variability in the estimates that occurs because data are only collected from a subset of the population. The estimates are also subject to various types of nonsampling error. Examples of nonsampling error include measurement error and processing error. Nonsampling error is inherent to all surveys; including complete censuses.

1. Estimating Procedure. Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding historical data values. At each level of

aggregation, an estimate of the difference between the current reference period and the base reference period is computed for each item from the sample and added to the corresponding base-year values. This difference can be positive or negative. For the 2003–2006 ASM estimates, the 2002 Economic Census — Manufacturing values serve as the base year.

Due to these positive year-to-year correlations, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll are directly tabulated from the administrative-record data provided by the Internal Revenue Service (IRS) and the Social Security Administration (SSA). Estimates of the other data variables are developed from industry averages. Although the nonmail stratum contained approximately 207,000 individual establishments in 2004, it accounted for less than 7 percent of the estimate for total value of shipments at the total manufacturing level.

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

2. **Data Qualifications.** The estimates developed from the sample are likely to differ from the results of a complete canvassing of all eligible establishments in the population. The particular sample selected for the ASM is one of many probability samples that could have been selected under identical circumstances. Each of the possible samples would yield a slightly different set of results. The derived standard errors are measures of the variation of all the possible sample estimates around the true population statistic. Estimates with low standard errors are generally felt to be more accurate than those associated with high standard errors.

Estimates of the standard errors are computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard error divided by the corresponding estimate).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

- From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
- From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
- From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors are detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors are detected too late to correct the estimates, the data are suppressed or are specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

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

DISCLOSURE

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

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

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan and Micropolitan Statistical Areas

Not applicable for this report.

