

Value of Product Shipments: 2004

Issued December 2005

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Annual Survey of Manufactures



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

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U.S. Department of Commerce
Economics and Statistics Administration
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-- 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. Value of Shipments for Product Classes: 2004 and Earlier Years

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311111	Dog and cat food manufacturing	2004..	11 402 005	1
		2003..	10 261 298	1
		2002..	9 785 458	X
3111111	Dog food	2004..	7 502 680	1
		2003..	6 748 778	2
		2002..	5 975 051	X
3111114	Cat food	2004..	3 628 954	1
		2003..	3 240 214	1
		2002..	3 541 476	X
311111W	Dog and cat food manufacturing, nsk, total	2004..	270 371	1
		2003..	272 306	7
		2002..	268 931	X
311119	Other animal food manufacturing	2004..	18 434 939	2
		2003..	15 936 667	3
		2002..	15 840 505	X
3111191	Chicken and turkey feed, supplements, concentrates, and premixes	2004..	6 886 690	2
		2003..	5 906 633	2
		2002..	5 328 920	X
3111194	Dairy cattle feed, complete	2004..	1 922 055	4
		2003..	1 741 299	5
		2002..	1 621 456	X
3111197	Dairy cattle feed supplements, concentrates, and premixes	2004..	1 147 762	6
		2003..	985 854	12
		2002..	973 643	X
311119A	Swine feed, complete	2004..	1 100 103	18
		2003..	1 004 434	8
		2002..	533 191	X
311119D	Swine feed supplements, concentrates, and premixes	2004..	755 702	14
		2003..	703 913	5
		2002..	571 913	X
311119G	Beef cattle feed, complete	2004..	756 617	3
		2003..	570 621	35
		2002..	617 001	X
311119J	Beef cattle feed supplements, concentrates, and premixes	2004..	813 427	10
		2003..	562 005	27
		2002..	637 782	X
311119M	Other poultry and livestock feed	2004..	988 150	5
		2003..	738 078	27
		2002..	810 973	X
311119P	Other prepared animal feeds, including feeding materials and adjuncts	2004..	825 666	11
		2003..	888 029	5
		2002..	695 406	X
311119R	Specialty feeds	2004..	1 462 616	5
		2003..	1 493 678	7
		2002..	1 058 082	X
311119W	Other animal food manufacturing, nsk, total	2004..	1 776 152	13
		2003..	1 342 123	19
		2002..	2 992 138	X
311211	Flour milling	2004..	8 067 131	1
		2003..	7 508 381	1
		2002..	6 699 652	X
3112111	Wheat flour (except flour mixes), made in flour mills ²	2004..	5 147 369	1
		2003..	4 818 543	1
		2002..	4 289 540	X
3112114	Wheat mill products, except flour ²	2004..	573 798	1
		2003..	553 603	4
		2002..	493 488	X
3112117	Corn mill products	2004..	1 110 032	2
		2003..	1 020 637	2
		2002..	941 757	X
311211A	Prepared flour mixes, including refrigerated and frozen doughs and batters, made in flour mills	2004..	734 927	1
		2003..	630 270	1
		2002..	565 584	X
311211B	Other grain mill products ²	2004..	279 063	2
		2003..	283 477	1
		2002..	238 252	X
311211W	Flour milling, nsk, total	2004..	221 942	2
		2003..	201 852	1
		2002..	171 031	X
311212	Rice milling	2004..	1 640 749	3
		2003..	1 615 159	2
		2002..	1 664 652	X
3112120	Rice milling	2004..	1 640 749	3
		2003..	1 615 159	2
		2002..	1 664 652	X
311213	Malt manufacturing	2004..	565 915	2
		2003..	528 542	1
		2002..	494 011	X
3112130	Malt	2004..	565 915	2
		2003..	528 542	1
		2002..	494 011	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

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Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311221	Wet corn milling	2004..	7 248 042	1
		2003..	6 995 323	2
		2002..	6 561 491	X
3112211	Corn sweeteners	2004..	3 559 090	1
		2003..	3 394 327	3
		2002..	3 106 601	X
3112214	Manufactured starch	2004..	1 619 721	1
		2003..	1 662 015	1
		2002..	1 696 085	X
3112218	Corn oil ²	2004..	496 937	1
		2003..	511 864	1
		2002..	347 827	X
311221A	Wet process corn byproducts	2004..	1 501 526	1
		2003..	1 321 885	4
		2002..	1 266 354	X
311221W	Wet corn milling, nsk, total	2004..	70 768	16
		2003..	105 233	1
		2002..	144 624	X
311222	Soybean processing	2004..	16 411 040	1
		2003..	14 304 656	1
		2002..	10 833 935	X
3112221	Soybean oil ²	2004..	5 608 942	2
		2003..	4 390 408	1
		2002..	2 745 728	X
3112224	Soybean cake, meal, and other byproducts ²	2004..	10 650 866	1
		2003..	9 768 135	1
		2002..	7 955 369	X
311222W	Soybean processing, nsk, total	2004..	151 233	16
		2003..	146 114	1
		2002..	132 838	X
311223	Other oilseed processing	2004..	1 582 081	1
		2003..	1 460 276	3
		2002..	1 309 321	X
3112231	Crude cottonseed oil ²	2004..	D	S
		2003..	71 529	30
		2002..	104 458	X
3112234	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products) ²	2004..	171 687	6
		2003..	188 430	14
		2002..	165 746	X
3112237	Cotton linters ²	2004..	D	S
		2003..	47 384	9
		2002..	D	X
311223A	Cottonseed cake and meal and other byproducts ²	2004..	313 454	2
		2003..	283 064	4
		2002..	286 330	X
311223D	Linseed oil ²	2004..	106 721	1
		2003..	95 877	1
		2002..	D	X
311223G	Other vegetable oils ²	2004..	728 583	1
		2003..	652 346	3
		2002..	514 009	X
311223J	Other vegetable oil mill products ²	2004..	130 863	2
		2003..	120 171	1
		2002..	137 114	X
311223W	Other oilseed processing, nsk, total	2004..	7 768	4
		2003..	1 476	5
		2002..	2 619	X
311225	Fats and oils refining and blending	2004..	9 886 871	1
		2003..	8 539 697	2
		2002..	8 308 669	X
3112252	Shortening and cooking oils ²	2004..	8 125 514	1
		2003..	7 191 720	2
		2002..	6 721 460	X
3112254	Margarine, butter blends, and butter substitutes ²	2004..	1 562 697	8
		2003..	1 149 254	4
		2002..	1 321 386	X
311225W	Fats and oils refining and blending, nsk, total	2004..	198 660	16
		2003..	198 724	20
		2002..	265 823	X
311230	Breakfast cereal manufacturing	2004..	9 604 261	1
		2003..	8 583 015	1
		2002..	7 832 992	X
3112301	Ready-to-serve breakfast cereal foods (except infant cereals)	2004..	8 080 805	1
		2003..	7 345 740	1
		2002..	7 102 823	X
3112304	Other breakfast cereal foods	2004..	1 055 818	1
		2003..	928 980	6
		2002..	621 930	X
311230W	Breakfast cereal manufacturing, nsk, total	2004..	467 637	19
		2003..	308 295	1
		2002..	108 239	X

See footnotes at end of table.

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Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311311	Sugarcane mills	2004..	1 834 974	2
		2003..	1 843 563	1
		2002..	1 663 551	X
3113110	Raw cane sugar	2004..	1 834 974	2
		2003..	1 843 563	1
		2002..	1 663 551	X
311312	Cane sugar refining	2004..	2 555 741	1
		2003..	2 816 842	1
		2002..	2 656 775	X
3113120	Refined granulated cane sugar and by-products	2004..	2 555 741	1
		2003..	2 816 842	1
		2002..	2 656 775	X
311313	Beet sugar manufacturing	2004..	2 603 292	1
		2003..	2 750 158	16
		2002..	2 219 221	X
3113130	Beet sugar	2004..	2 603 292	1
		2003..	2 750 158	16
		2002..	2 219 221	X
311320	Chocolate and confectionery manufacturing from cacao beans	2004..	4 217 441	7
		2003..	3 827 903	3
		2002..	4 004 703	X
3113201	Chocolate coatings, made from cacao beans ²	2004..	765 814	1
		2003..	791 667	1
		2002..	711 146	X
3113204	Chocolate and chocolate-type confectionery products, made from cacao beans	2004..	1 988 736	15
		2003..	1 674 214	1
		2002..	2 028 528	X
3113207	Other chocolate and cocoa products, made from cacao beans ²	2004..	1 350 370	4
		2003..	1 259 400	8
		2002..	1 161 045	X
311320W	Chocolate and confectionery manufacturing from cacao beans, nsk, total	2004..	112 521	5
		2003..	102 623	1
		2002..	103 984	X
311330	Confectionery manufacturing from purchased chocolate	2004..	8 307 281	3
		2003..	8 214 577	1
		2002..	7 633 988	X
3113301	Chocolate and chocolate-type confectionery products, made from purchased chocolate not retailed at manufacturing establishment	2004..	7 830 650	1
		2003..	7 312 891	1
		2002..	6 919 670	X
3113302	Chocolate and chocolate-type confectionery products, made from purchased chocolate retailed at manufacturing establishment	2004..	282 021	6
		2003..	263 445	2
		2002..	202 481	X
311330W	Confectionery manufacturing from purchased chocolate, nsk, total	2004..	A	A
		2003..	638 240	4
		2002..	511 837	X
311340	Nonchocolate confectionery manufacturing	2004..	7 185 997	1
		2003..	6 856 075	1
		2002..	6 577 541	X
3113401	Nonchocolate-type confectionery products, made and packaged for shipment not retailed at manufacturing establishment ²	2004..	4 640 098	2
		2003..	4 487 601	1
		2002..	4 371 345	X
3113402	Nonchocolate-type confectionery products made from purchased chocolate retailed at manufacturing establishment	2004..	71 365	1
		2003..	93 558	4
		2002..	100 348	X
3113404	Chewing gum, bubble gum, and chewing gum base ²	2004..	1 922 242	1
		2003..	1 757 427	1
		2002..	1 738 964	X
3113407	Other confectionery-type products	2004..	260 464	9
		2003..	231 604	3
		2002..	250 685	X
311340W	Nonchocolate confectionery manufacturing, nsk, total	2004..	291 829	4
		2003..	285 885	3
		2002..	116 199	X
311411	Frozen fruit, juice, and vegetable manufacturing	2004..	8 708 475	1
		2003..	8 886 788	1
		2002..	8 679 817	X
3114111	Frozen fruits, juices, ades, drinks, and cocktails	2004..	1 978 990	3
		2003..	2 187 259	1
		2002..	2 446 828	X
3114114	Frozen vegetables	2004..	6 270 445	1
		2003..	6 376 650	1
		2002..	5 803 345	X
311411W	Frozen fruit, juice, and vegetable manufacturing, nsk, total	2004..	459 040	9
		2003..	322 879	21
		2002..	429 644	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311412	Frozen specialty food manufacturing	2004.. 12 706 791 2003.. 12 672 235 2002.. 12 366 115	3 1 X
3114121	Frozen dinners (beef, pork, and poultry pies) and nationality foods	2004.. 8 679 978 2003.. 8 231 283 2002.. 8 362 236	4 1 X
3114124	Other frozen specialties	2004.. 3 384 939 2003.. 3 406 762 2002.. 2 954 576	1 2 X
311412W	Frozen specialty food manufacturing, nsk, total	2004.. 641 873 2003.. 1 034 190 2002.. 1 049 303	32 2 X
311421	Fruit and vegetable canning	2004.. 18 306 095 2003.. 17 988 515 2002.. 18 757 575	2 3 X
3114211	Canned fruits, except baby foods	2004.. 2 031 507 2003.. 2 433 558 2002.. 2 127 937	2 1 X
3114214	Canned vegetables, except hominy and mushrooms	2004.. 2 192 256 2003.. 1 886 414 2002.. 2 775 443	5 11 X
3114217	Canned hominy and mushrooms	2004.. 168 328 2003.. 151 629 2002.. 142 115	1 1 X
311421A	Canned vegetable juices	2004.. 587 784 2003.. 578 294 2002.. 601 700	1 1 X
311421D	Canned catsup and other tomato based sauces	2004.. 3 975 983 2003.. 4 011 184 2002.. 4 273 116	1 2 X
311421G	Canned jams, jellies, and preserves	2004.. 1 197 497 2003.. 1 087 099 2002.. 969 550	1 1 X
311421J	Canned fruit juices, nectars, and concentrates	2004.. 4 150 378 2003.. 3 626 285 2002.. 3 283 334	1 2 X
311421M	Fresh fruit juices and nectars	2004.. 1 600 970 2003.. 1 823 358 2002.. 1 729 920	2 7 X
311421P	Pickles and other pickled products	2004.. 1 270 076 2003.. 1 071 022 2002.. 1 475 140	3 49 X
311421W	Fruit and vegetable canning, nsk, total	2004.. 1 131 317 2003.. 1 319 673 2002.. 1 379 320	24 9 X
311422	Specialty canning	2004.. 6 901 651 2003.. 7 020 387 2002.. 6 528 654	1 2 X
3114221	Canned baby foods, except cereal and biscuits	2004.. 931 127 2003.. D 2002.. 560 251	1 S X
3114224	Canned soups and stews, except frozen and seafood	2004.. 3 780 323 2003.. 3 504 034 2002.. 3 316 050	1 1 X
3114227	Canned dry beans	2004.. 1 120 025 2003.. 1 137 969 2002.. 1 175 484	6 6 X
311422B	Other canned specialties and nationality foods	2004.. 880 582 2003.. D 2002.. 776 119	2 S X
311422W	Specialty canning, nsk, total	2004.. 189 593 2003.. 378 009 2002.. 700 750	19 16 X
311423	Dried and dehydrated food manufacturing	2004.. 4 000 836 2003.. 4 364 327 2002.. 4 553 355	4 8 X
3114231	Soup mixes (including oriental, dried and dehydrated, and freeze-dried) and bouillon	2004.. 990 575 2003.. 948 586 2002.. 1 077 242	2 2 X
3114235	Dried and dehydrated fruits and vegetables, including freeze-dried	2004.. 2 358 820 2003.. 2 765 501 2002.. 2 533 441	3 11 X
3114237	Macaroni and noodle products, purchased, packaged with other ingredients mitse, except canned or frozen	2004.. 119 219 2003.. 117 270 2002.. 129 457	1 1 X
3114238	Other purchased products packaged with dried and dehydrated ingredients mitse	2004.. 510 598 2003.. 413 892 2002.. 394 989	8 4 X
311423W	Dried and dehydrated food manufacturing, nsk, total	2004.. A 2003.. A 2002.. 418 226	A A X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311511	Fluid milk manufacturing	2004.. 24 410 145	2
		2003.. 22 539 289	1
		2002.. 21 614 069	X
3115111	Fluid milk and cream, bulk sales	2004.. 4 350 973	6
		2003.. 3 503 999	2
		2002.. 3 715 643	X
3115115	Fluid milk and related products, packaged (including cartons, bottles, cans, and dispenser cans), except U.H.T.	2004.. 13 879 498	1
		2003.. 12 779 518	1
		2002.. 12 164 224	X
3115117	Cottage cheese (including bakers', pot, and farmers' cheese)	2004.. 752 181	3
		2003.. 757 161	4
		2002.. 770 882	X
311511A	Yogurt, except frozen	2004.. 2 496 473	1
		2003.. 2 463 075	2
		2002.. 2 162 718	X
311511D	Perishable dairy product substitutes	2004.. 617 612	7
		2003.. 772 201	11
		2002.. 766 216	X
311511G	Other packaged milk products	2004.. 1 674 971	9
		2003.. 1 587 124	4
		2002.. 1 436 658	X
311511W	Fluid milk manufacturing, nsk, total	2004.. 638 438	37
		2003.. 676 211	8
		2002.. 597 728	X
311512	Creamery butter manufacturing	2004.. 2 102 494	1
		2003.. 1 873 218	5
		2002.. 1 996 863	X
3115120	Creamery butter manufacturing	2004.. 2 102 494	1
		2003.. 1 873 218	5
		2002.. 1 996 863	X
311513	Cheese manufacturing	2004.. 23 512 272	1
		2003.. 21 030 320	1
		2002.. 20 009 324	X
3115131	Natural cheese (cheddar, Swiss, Italian, brick, cream, grated, dried, etc.), except cottage cheese	2004.. 16 556 854	1
		2003.. 14 690 046	2
		2002.. 13 719 763	X
3115134	Process cheese and related products	2004.. 5 744 394	1
		2003.. 5 230 453	3
		2002.. 5 158 468	X
3115137	Cheese substitutes and imitations	2004.. 480 987	2
		2003.. 463 996	2
		2002.. 489 267	X
311513A	Raw liquid whey	2004.. 125 632	4
		2003.. 113 892	6
		2002.. 118 285	X
311513W	Cheese manufacturing, nsk, total	2004.. 604 405	1
		2003.. 531 934	8
		2002.. 523 541	X
311514	Dry, condensed, and evaporated dairy product manufacturing	2004.. 9 998 909	1
		2003.. 9 822 873	1
		2002.. 9 734 613	X
3115141	Dry milk products and mixtures	2004.. 4 584 597	1
		2003.. 4 277 154	1
		2002.. 4 191 750	X
3115145	Milk products, shipped in consumer-type cans, except substitutes	2004.. 1 991 100	1
		2003.. 2 143 730	1
		2002.. 2 117 680	X
3115147	Concentrated milk products, shipped in bulk (barrels, drums, and tanks)	2004.. 549 716	1
		2003.. 559 933	16
		2002.. 558 277	X
311514A	Ice cream mixes and related products	2004.. 980 985	5
		2003.. 894 370	5
		2002.. 871 351	X
311514D	Dairy product substitutes	2004.. 1 693 454	1
		2003.. 1 791 105	4
		2002.. 1 874 117	X
311514W	Dry, condensed, and evaporated dairy product manufacturing, nsk, total	2004.. 199 056	1
		2003.. 156 581	12
		2002.. 121 438	X
311520	Ice cream and frozen dessert manufacturing	2004.. 7 721 572	1
		2003.. 7 160 077	3
		2002.. 7 780 585	X
3115200	Ice cream and frozen dessert manufacturing	2004.. 7 721 572	1
		2003.. 7 160 077	3
		2002.. 7 780 585	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311611	Animal (except poultry) slaughtering	2004..	64 973 508	3
		2003..	60 912 104	1
		2002..	54 003 110	X
3116111	Beef, not canned or made into sausage, made in slaughtering plants	2004..	37 780 754	5
		2003..	37 571 405	1
		2002..	32 145 346	X
3116114	Veal, not canned or made into sausage, made in slaughtering plants	2004..	397 469	9
		2003..	464 921	1
		2002..	476 889	X
3116117	Lamb and mutton, not canned or made into sausage, made in slaughtering plants	2004..	310 779	4
		2003..	296 440	3
		2002..	281 392	X
311611A	Pork, not canned or made into sausage, made in slaughtering plants	2004..	15 493 476	1
		2003..	12 630 715	1
		2002..	12 140 264	X
311611D	Lard, made in slaughtering plants	2004..	63 519	1
		2003..	67 519	1
		2002..	43 679	X
311611G	Pork, processed or cured, not canned or made into sausage, made in slaughtering plants	2004..	2 567 131	7
		2003..	2 217 026	5
		2002..	2 273 712	X
311611J	Sausage and similar products, except canned, made in slaughtering plants	2004..	2 225 387	2
		2003..	2 295 302	4
		2002..	2 006 968	X
311611M	Canned meats (except dog, cat, and baby food), made in slaughtering plants	2004..	191 711	1
		2003..	195 077	8
		2002..	169 049	X
311611P	Hides, skins, and pelts, made in slaughtering plants	2004..	2 167 755	1
		2003..	2 182 845	2
		2002..	1 950 652	X
311611R	Miscellaneous byproducts of slaughtering plants ²	2004..	1 105 502	18
		2003..	1 320 843	2
		2002..	957 648	X
311611W	Animal (except poultry) slaughtering, nsk, total	2004..	2 670 025	24
		2003..	1 670 011	3
		2002..	1 557 511	X
311612	Meat processed from carcasses	2004..	28 452 367	1
		2003..	26 412 599	1
		2002..	23 919 865	X
3116121	Pork, processed or cured, not canned or made into sausage, made from purchased carcasses	2004..	6 226 457	2
		2003..	6 089 399	3
		2002..	5 228 805	X
3116124	Sausage and similar products, except canned, made from purchased carcasses	2004..	7 135 630	2
		2003..	6 769 787	2
		2002..	6 308 001	X
3116127	Canned meats (except dog, cat, and baby food), made from purchased carcasses	2004..	1 645 994	1
		2003..	1 342 406	3
		2002..	1 148 081	X
311612A	Other processed, frozen, or cooked meats, made from purchased carcasses	2004..	11 308 813	2
		2003..	11 211 481	1
		2002..	10 317 236	X
311612W	Meat processed from carcasses, nsk, total	2004..	2 135 474	8
		2003..	999 526	2
		2002..	917 742	X
311613	Rendering and meat byproduct processing	2004..	3 361 595	2
		2003..	3 209 921	3
		2002..	2 793 416	X
3116131	Lard and other greases, except wool grease ²	2004..	1 228 676	2
		2003..	1 237 154	5
		2002..	878 762	X
3116135	Animal and marine feed and fertilizer byproducts ²	2004..	1 973 755	2
		2003..	1 913 673	4
		2002..	1 863 465	X
311613W	Rendering and meat byproduct processing, nsk, total	2004..	159 163	34
		2003..	59 094	12
		2002..	51 189	X
311615	Poultry processing	2004..	41 680 109	1
		2003..	38 658 738	1
		2002..	36 820 533	X
3116151	Young chickens (usually under 20 weeks of age), including bulk, chilled, frozen, whole, and parts	2004..	26 880 536	1
		2003..	24 548 622	1
		2002..	23 657 861	X
3116154	Hens and fowl, including frozen, whole, and parts	2004..	362 895	3
		2003..	407 103	10
		2002..	281 293	X
3116157	Turkeys, including frozen, whole, and parts	2004..	4 179 586	1
		2003..	4 053 646	2
		2002..	3 619 753	X
311615A	Other poultry and small game, including frozen, whole, and parts	2004..	573 013	4
		2003..	305 164	8
		2002..	226 549	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

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Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311615	Poultry processing—Con.		
311615D	Processed poultry and small game (except soups), containing 20 percent or more poultry or meat	2004.. 8 954 999	4
		2003.. 9 033 570	1
		2002.. 8 735 931	X
311615W	Poultry processing, nsk, total	2004.. 729 080	2
		2003.. 310 634	1
		2002.. 299 146	X
311711	Seafood canning.....	2004.. 1 446 692	3
		2003.. 1 196 827	8
		2002.. 1 369 256	X
3117110	Seafood canning.....	2004.. 1 446 692	3
		2003.. 1 196 827	8
		2002.. 1 369 256	X
311712	Fresh and frozen seafood processing	2004.. 7 134 588	2
		2003.. 7 170 673	3
		2002.. 6 930 236	X
3117121	Prepared fresh fish and other fresh seafood	2004.. 1 738 840	2
		2003.. 1 629 639	10
		2002.. 1 248 061	X
3117122	Prepared frozen fish	2004.. 2 591 330	3
		2003.. 2 446 737	2
		2002.. 2 512 965	X
3117123	Prepared frozen shellfish	2004.. 1 549 479	3
		2003.. 1 409 730	8
		2002.. 1 679 782	X
3117124	Other prepared fresh and frozen seafood ²	2004.. 799 163	8
		2003.. 1 023 106	6
		2002.. 879 583	X
311712W	Fresh and frozen seafood processing, nsk, total	2004.. 455 776	26
		2003.. 661 461	10
		2002.. 609 845	X
311811	Retail bakeries	2004.. 2 686 196	4
		2003.. 2 600 686	4
		2002.. 2 396 390	X
3118110	Retail bakery products	2004.. 2 686 196	4
		2003.. 2 600 686	4
		2002.. 2 396 390	X
311812	Commercial bakeries	2004.. 20 543 054	3
		2003.. 20 280 068	2
		2002.. 21 414 569	X
3118121	Bread (white, wheat, rye, etc.), including frozen	2004.. 7 649 964	3
		2003.. 7 579 732	4
		2002.. 7 978 287	X
3118125	Rolls, bread-type (including muffins, bagels, and croissants).....	2004.. 5 770 927	3
		2003.. 5 152 090	2
		2002.. 5 807 574	X
3118127	Soft cakes, except frozen	2004.. 2 292 561	3
		2003.. 2 555 140	9
		2002.. 2 376 948	X
311812A	Pies (fruit, cream, and custard), except frozen	2004.. 420 158	10
		2003.. 409 867	3
		2002.. 463 657	X
311812D	Other sweet goods, except frozen	2004.. 2 267 411	5
		2003.. 2 003 374	6
		2002.. 2 269 524	X
311812W	Commercial bakeries, nsk, total	2004.. 2 142 033	20
		2003.. 2 579 866	7
		2002.. 2 518 579	X
311813	Frozen cakes, pies, and other pastries manufacturing	2004.. 4 173 828	3
		2003.. 3 810 302	5
		2002.. 3 859 917	X
3118130	Frozen bakery product manufacturing	2004.. 4 173 828	3
		2003.. 3 810 302	5
		2002.. 3 859 917	X
311821	Cookie and cracker manufacturing	2004.. 9 786 545	1
		2003.. 9 702 028	3
		2002.. 9 379 510	X
3118212	Crackers, biscuits, and related products	2004.. 4 227 763	1
		2003.. 4 322 376	4
		2002.. 3 767 729	X
3118214	Cookies, wafers, and ice cream cones and cups (except frozen)	2004.. 5 041 822	2
		2003.. 5 030 129	5
		2002.. 4 971 593	X
311821W	Cookie and cracker manufacturing, nsk, total	2004.. 516 959	6
		2003.. 349 524	32
		2002.. 640 188	X
311822	Flour mixes and dough manufacturing from purchased flour	2004.. 5 522 657	5
		2003.. 5 025 794	1
		2002.. 4 545 366	X
3118220	Prepared flour mixes, including refrigerated and frozen doughs and batters, made from purchased flour	2004.. 5 522 657	5
		2003.. 5 025 794	1
		2002.. 4 545 366	X

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Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311823	Dry pasta manufacturing	2004..	1 786 918	3
		2003..	2 027 967	1
		2002..	1 629 159	X
3118230	Dry macaroni, spaghetti and egg noodle products, mitse (except canned or frozen)	2004..	1 786 918	3
		2003..	2 027 967	1
		2002..	1 629 159	X
311830	Tortilla manufacturing	2004..	1 802 407	5
		2003..	1 453 885	4
		2002..	1 373 649	X
3118300	Tortillas, sold in bulk or packages, except frozen or canned	2004..	1 802 407	5
		2003..	1 453 885	4
		2002..	1 373 649	X
311911	Roasted nuts and peanut butter manufacturing	2004..	5 196 344	3
		2003..	5 171 164	3
		2002..	4 984 241	X
3119111	Nuts and seeds (salted, roasted, cooked, or blanched)	2004..	4 095 312	2
		2003..	3 847 839	4
		2002..	3 812 389	X
3119114	Peanut butter	2004..	1 031 577	3
		2003..	1 164 969	1
		2002..	992 486	X
311911W	Roasted nuts and peanut butter manufacturing, nsk, total	2004..	A	A
		2003..	158 356	4
		2002..	179 366	X
311919	Other snack food manufacturing	2004..	12 869 976	1
		2003..	12 923 237	1
		2002..	12 443 679	X
3119191	Potato chips and sticks, plain and flavored	2004..	5 148 675	1
		2003..	4 963 604	2
		2002..	4 878 075	X
3119194	Corn chips and related products	2004..	5 043 965	1
		2003..	5 270 484	1
		2002..	5 616 568	X
3119197	Other chips, sticks (hard pretzels, bacon rinds, popcorn (except candied), etc.), excluding crackers, soft pretzels, and nuts	2004..	2 558 467	1
		2003..	2 095 762	1
		2002..	1 748 765	X
311919W	Other snack food manufacturing, nsk, total	2004..	118 868	51
		2003..	593 387	1
		2002..	200 271	X
311920	Coffee and tea manufacturing	2004..	5 413 642	1
		2003..	5 452 230	1
		2002..	5 179 716	X
3119201	Roasted coffee	2004..	3 799 174	1
		2003..	3 788 869	2
		2002..	3 592 114	X
3119205	Coffee, concentrated (freeze-dried, spray-dried, frozen or liquid concentrated, mixtures, etc.), including coffee substitutes	2004..	D	S
		2003..	709 583	1
		2002..	590 034	X
3119207	Tea, consumer packages	2004..	D	S
		2003..	823 723	2
		2002..	853 994	X
311920W	Coffee and tea manufacturing, nsk, total	2004..	194 082	10
		2003..	130 055	8
		2002..	143 574	X
311930	Flavoring syrup and concentrate manufacturing	2004..	9 732 850	1
		2003..	9 574 443	2
		2002..	9 316 495	X
3119301	Liquid beverage bases, excluding use by soft drink bottlers	2004..	523 447	12
		2003..	513 912	16
		2002..	313 891	X
3119304	Liquid beverage bases, concentrates and syrups, for sale by soft drink bottlers to trade or nonbottler distributors	2004..	3 406 795	1
		2003..	3 873 750	1
		2002..	3 943 655	X
3119305	Soft drink flavoring syrup, sold in bulk	2004..	1 302 957	4
		2003..	1 046 838	6
		2002..	940 811	X
3119308	Other flavoring agents, except chocolate syrups	2004..	4 208 532	1
		2003..	4 004 859	1
		2002..	3 773 890	X
311930W	Flavoring syrup and concentrate manufacturing, nsk, total	2004..	291 119	1
		2003..	135 084	73
		2002..	344 248	X
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	2004..	5 593 667	1
		2003..	5 212 344	1
		2002..	5 055 678	X
3119411	Vinegar and cider	2004..	361 214	5
		2003..	352 852	4
		2002..	336 645	X
3119414	Prepared sauces, except tomato	2004..	1 814 676	1
		2003..	1 801 213	2
		2002..	1 707 194	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311941	Mayonnaise, dressing, and other prepared sauce manufacturing—Con.	2004..	3 136 995	1
3119417	Mayonnaise, salad dressings, and sandwich spreads	2003..	2 801 952	1
		2002..	2 755 487	X
311941W	Mayonnaise, dressing, and other prepared sauce manufacturing, nsk, total	2004..	280 782	14
		2003..	256 327	2
		2002..	256 352	X
311942	Spice and extract manufacturing	2004..	5 818 766	2
		2003..	5 686 090	2
		2002..	5 375 228	X
3119421	Table salt (evaporated), pepper (white and black), and other spices	2004..	1 997 517	4
		2003..	2 210 927	3
		2002..	2 045 193	X
3119425	Flavoring extracts, emulsions, and other liquid flavors and food colorings (except synthetic)	2004..	1 762 698	2
		2003..	1 818 891	2
		2002..	1 471 322	X
3119427	Dry mix food preparations	2004..	1 827 791	3
		2003..	1 593 273	3
		2002..	1 635 202	X
311942W	Spice and extract manufacturing, nsk, total	2004..	230 761	29
		2003..	62 999	82
		2002..	223 511	X
311991	Perishable prepared food manufacturing	2004..	6 297 907	2
		2003..	5 692 636	4
		2002..	5 413 476	X
3119910	Perishable prepared food manufacturing	2004..	6 297 907	2
		2003..	5 692 636	4
		2002..	5 413 476	X
311999	All other miscellaneous food manufacturing	2004..	13 415 011	2
		2003..	12 032 656	3
		2002..	10 197 107	X
3119991	Desserts, ready-to-mix	2004..	692 071	1
		2003..	455 718	3
		2002..	612 501	X
3119994	Sweetening syrups and molasses	2004..	453 790	4
		2003..	473 350	2
		2002..	513 167	X
3119997	Baking powder and yeast	2004..	377 320	4
		2003..	322 225	13
		2002..	363 344	X
311999B	Purchased macaroni and noodle products, packaged with other purchased ingredients	2004..	700 095	2
		2003..	1 042 592	20
		2002..	787 697	X
311999G	Egg processing	2004..	1 754 342	3
		2003..	1 588 200	2
		2002..	1 460 559	X
311999J	Flavoring powders, tablets, and paste (including dry mix cocktails)	2004..	1 512 422	2
		2003..	1 547 490	1
		2002..	1 668 180	X
311999P	Other food preparations	2004..	2 384 412	3
		2003..	2 523 463	3
		2002..	2 303 123	X
311999W	All other miscellaneous food manufacturing, nsk, total	2004..	5 540 561	3
		2003..	4 079 620	5
		2002..	2 488 536	X
312111	Soft drink manufacturing	2004..	31 541 141	1
		2003..	29 792 362	3
		2002..	29 173 600	X
3121111	Soft drinks, bottled, carbonated	2004..	11 561 863	1
		2003..	10 308 231	5
		2002..	10 601 992	X
3121114	Soft drinks, canned, carbonated	2004..	9 042 575	1
		2003..	8 226 634	3
		2002..	8 879 733	X
312111A	Soft drinks, non-carbonated	2004..	7 920 159	1
		2003..	7 801 070	1
		2002..	6 407 418	X
312111W	Soft drink manufacturing, nsk, total	2004..	3 016 545	11
		2003..	3 456 428	13
		2002..	3 284 457	X
312112	Bottled water manufacturing	2004..	3 596 044	2
		2003..	3 361 340	4
		2002..	2 582 035	X
3121120	Bottled water manufacturing	2004..	3 596 044	2
		2003..	3 361 340	4
		2002..	2 582 035	X
312113	Ice manufacturing	2004..	591 096	4
		2003..	675 980	6
		2002..	588 398	X
3121130	Ice manufacturing	2004..	591 096	4
		2003..	675 980	6
		2002..	588 398	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
312120	Breweries	2004..	20 235 609	1
		2003..	20 329 395	1
		2002..	17 789 150	X
3121201	Beer and ale, canned, case goods	2004..	10 462 404	1
		2003..	10 063 720	1
		2002..	9 221 705	X
3121204	Beer and ale, bottled, case goods	2004..	7 989 727	1
		2003..	7 617 621	1
		2002..	6 737 874	X
3121207	Beer and ale, barrels and kegs	2004..	1 140 298	1
		2003..	1 066 996	1
		2002..	1 084 752	X
3121209	All other malt beverages and brewing products	2004..	231 552	17
		2003..	1 108 413	2
		2002..	321 335	X
312120W	Breweries, nsk, total	2004..	411 627	1
		2003..	472 646	2
		2002..	423 484	X
312130	Wineries	2004..	9 497 906	2
		2003..	8 716 683	2
		2002..	9 025 982	X
3121300	Wine, brandy, and brandy spirits	2004..	9 497 906	2
		2003..	8 716 683	2
		2002..	9 025 982	X
312140	Distilleries	2004..	4 892 985	1
		2003..	4 817 712	1
		2002..	4 211 838	X
3121402	Distilled liquor, except brandy	2004..	1 138 654	2
		2003..	1 056 892	5
		2002..	968 543	X
3121404	Bottled liquor, except brandy	2004..	3 458 755	1
		2003..	3 586 930	1
		2002..	3 088 267	X
312140W	Distilleries, nsk, total	2004..	295 576	3
		2003..	173 890	10
		2002..	155 028	X
312210	Tobacco stemming and redrying	2004..	777 602	1
		2003..	918 489	1
		2002..	1 056 811	X
3122101	Tobacco, unstemmed leaf, redried before packing	2004..	313 258	1
		2003..	415 513	1
		2002..	414 341	X
3122104	Tobacco, stemmed	2004..	464 344	1
		2003..	497 794	1
		2002..	639 289	X
312210W	Tobacco stemming and redrying, nsk, total	2004..	—	1
		2003..	5 182	1
		2002..	3 181	X
312221	Cigarette manufacturing	2004..	33 251 674	1
		2003..	33 261 963	1
		2002..	33 740 199	X
3122210	Cigarettes, including nontobacco	2004..	33 251 674	1
		2003..	33 261 963	1
		2002..	33 740 199	X
312229	Other tobacco product manufacturing	2004..	4 255 523	1
		2003..	4 328 639	1
		2002..	4 089 168	X
3122291	Cigars	2004..	D	S
		2003..	D	S
		2002..	D	X
3122294	Chewing and smoking tobacco	2004..	2 566 728	1
		2003..	2 672 122	2
		2002..	2 462 929	X
3122297	Reconstituted tobacco, processed sheet and homogenized	2004..	D	S
		2003..	D	S
		2002..	D	X
312229W	Other tobacco product manufacturing, nsk, total	2004..	226 867	1
		2003..	217 506	1
		2002..	223 336	X
313111	Yarn spinning mills	2004..	5 977 619	3
		2003..	5 889 446	3
		2002..	6 401 742	X
3131111	Yarns, carded, cotton ²	2004..	2 360 514	2
		2003..	2 346 914	2
		2002..	2 303 972	X
3131113	Yarns, combed, cotton ²	2004..	541 387	5
		2003..	608 969	14
		2002..	627 203	X
3131115	Yarns, spun, rayon, acetate, and lyocell ²	2004..	141 578	11
		2003..	160 242	2
		2002..	173 759	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
313111	Yarn spinning mills—Con.		
3131116	Yarns, spun, noncellulosic fiber and other natural fibers ²	2004.. 2 705 708	5
		2003.. 2 552 044	4
		2002.. 2 904 535	X
3131119	Yarns, wool, including new, reused, and reprocessed ²	2004.. 165 188	1
		2003.. 139 090	1
		2002.. 159 454	X
313111C	Scouring and combing mill products	2004.. 14 352	1
		2003.. 31 602	1
		2002.. 131 019	X
313111W	Yarn spinning mills, nsk, total	2004.. 48 891	69
		2003.. 50 585	66
		2002.. 101 800	X
313112	Yarn texturizing, throwing, and twisting mills	2004.. 4 589 958	2
		2003.. 4 256 205	1
		2002.. 4 262 180	X
3131121	Yarns, novelty and plied, except wool, not spun or thrown at the same establishment	2004.. 192 818	3
		2003.. 176 199	4
		2002.. 146 416	X
3131123	Yarns, thrown, filament, except textured	2004.. 1 622 064	4
		2003.. 1 568 347	2
		2002.. 1 300 154	X
3131125	Yarns, textured, crimped, and bulked, filament, including stretch, made from purchased yarn	2004.. 2 575 602	2
		2003.. 2 354 265	1
		2002.. 2 615 028	X
3131128	Yarns, filament, commission receipts for throwing, texturing, or winding	2004.. 146 278	12
		2003.. 139 577	7
		2002.. 127 764	X
313112W	Yarn texturizing, throwing, and twisting mills, nsk, total	2004.. 53 197	1
		2003.. 17 817	7
		2002.. 72 818	X
313113	Thread mills	2004.. 277 383	1
		2003.. 305 838	4
		2002.. 307 118	X
3131130	Thread mills	2004.. 277 383	1
		2003.. 305 838	4
		2002.. 307 118	X
313210	Broadwoven fabric mills	2004.. 8 997 147	1
		2003.. 9 960 396	1
		2002.. 10 825 366	X
3132101	Broadwoven fabrics, cotton, plain weave (except pile), gray goods ²	2004.. 662 899	5
		2003.. 791 986	1
		2002.. 959 518	X
3132103	Broadwoven fabrics, cotton, twill weave (except pile), gray goods ²	2004.. 772 566	4
		2003.. 697 562	3
		2002.. 822 951	X
3132105	Broadwoven fabrics, cotton, all other weaves (except plain, twill, or pile), gray goods ²	2004.. 126 803	2
		2003.. 169 822	3
		2002.. 193 768	X
3132107	Broadwoven fabrics, cotton, pile, gray goods ²	2004.. D	S
		2003.. D	S
		2002.. D	X
3132109	Broadwoven fabrics, cotton, finished in weaving mills	2004.. 333 256	10
		2003.. 466 890	1
		2002.. 538 804	X
313210D	Fabricated textile products, made in weaving mills ²	2004.. 1 029 641	8
		2003.. 1 200 272	1
		2002.. 1 362 943	X
313210E	Broadwoven fabrics, manmade fiber, 85 percent or more filament yarns (chiefly rayon, acetate, and lyocell), gray goods ²	2004.. 359 413	1
		2003.. 396 365	5
		2002.. 532 258	X
313210G	Broadwoven fabrics, manmade fiber, 85 percent or more filament yarns (except rayon, acetate, and lyocell), gray goods ²	2004.. 1 191 487	3
		2003.. 1 436 618	1
		2002.. 1 364 684	X
313210H	Broadwoven fabrics, manmade fiber, plain weave (except pile), 85 percent or more spun yarns (except wool blends), gray goods ²	2004.. 952 444	4
		2003.. 907 697	2
		2002.. 1 029 502	X
313210J	Broadwoven fabrics, manmade fiber, twill weave (except pile), 85 percent or more spun yarns (except wool blends), gray goods ²	2004.. 192 566	10
		2003.. 173 419	2
		2002.. 176 684	X
313210L	Broadwoven fabrics, manmade fiber, all other weaves (except plain, twill, and pile), 85 percent or more spun yarn (except wool blends), gray goods ²	2004.. 250 381	6
		2003.. 333 739	1
		2002.. 345 813	X
313210M	Broadwoven fabrics, manmade fiber, combinations of spun and filament yarns, each less than 85 percent of total fiber content (except wool blends), gray goods ²	2004.. 527 894	2
		2003.. 529 869	1
		2002.. 595 922	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
313210	Broadwoven fabric mills—Con.		
313210N	Broadwoven fabrics, manmade fiber, including silk and natural fibers (except cotton), all other weaves (including pile), gray goods ²	2004.. 316 927 2003.. 321 300 2002.. 284 805	2 1 X
313210P	Broadwoven fabrics, manmade fiber and silk, finished in weaving mills	2004.. 1 294 583 2003.. 1 308 477 2002.. 1 394 156	2 1 X
313210T	Broadwoven fabrics, wool, gray goods ²	2004.. D 2003.. D 2002.. D	S S X
313210U	Broadwoven fabrics, including felts, wool, finished in weaving mills	2004.. 143 134 2003.. 172 025 2002.. 173 639	3 10 X
313210W	Broadwoven fabric mills, nsk, total	2004.. 473 436 2003.. 574 082 2002.. 583 555	8 2 X
313221	Narrow fabric mills	2004.. 1 179 789 2003.. 1 089 061 2002.. 1 117 825	3 1 X
3132211	Narrow fabrics (12 inches or less in width), woven	2004.. 875 986 2003.. 787 376 2002.. 808 078	3 2 X
3132213	Narrow fabrics (12 inches or less in width), braided	2004.. 169 719 2003.. 174 034 2002.. 183 418	9 1 X
3132215	Covered rubber thread, made in narrow fabric mills	2004.. 84 728 2003.. 78 601 2002.. 82 254	10 1 X
313221W	Narrow fabric mills, nsk, total	2004.. 49 356 2003.. 49 050 2002.. 44 075	51 4 X
313222	Schiffli machine embroidery	2004.. 123 785 2003.. 112 387 2002.. 129 345	4 5 X
3132220	Schiffli machine embroideries	2004.. 123 785 2003.. 112 387 2002.. 129 345	4 5 X
313230	Nonwoven fabric mills	2004.. 5 372 320 2003.. 5 019 274 2002.. 4 923 532	1 2 X
3132301	Nonwoven fabrics	2004.. 3 655 869 2003.. 3 178 350 2002.. 3 232 463	1 3 X
3132303	Fabricated nonwoven products	2004.. 989 677 2003.. 974 079 2002.. 868 838	3 2 X
3132305	Pressed, punched, or needled felts (except hats)	2004.. 617 918 2003.. 751 377 2002.. 695 574	4 5 X
313230W	Nonwoven fabric mills, nsk, total	2004.. 108 856 2003.. 115 469 2002.. 126 657	22 8 X
313241	Weft knit fabric mills	2004.. 1 696 024 2003.. 1 670 593 2002.. 1 731 757	3 9 X
3132411	Weft (circular) knit fabrics, greige goods (except hosiery) ²	2004.. 588 841 2003.. 543 040 2002.. 646 667	3 18 X
3132413	Weft (circular) knit fabrics, finished (except hosiery)	2004.. 959 537 2003.. 966 051 2002.. 901 015	4 11 X
3132416	Weft (circular) knit fabrics, nonapparel type, including commission receipts for knitting only or knitting and finishing (except hosiery)	2004.. 102 253 2003.. 106 317 2002.. 118 166	20 15 X
313241W	Weft knit fabric mills, nsk, total	2004.. 45 392 2003.. 55 185 2002.. 65 909	8 6 X
313249	Other knit fabric and lace mills	2004.. 1 224 293 2003.. 1 333 926 2002.. 1 515 850	3 3 X
3132491	Warp knit fabrics, greige goods ²	2004.. 263 447 2003.. 346 100 2002.. 380 644	8 4 X
3132493	Warp knit fabrics, finished	2004.. 706 478 2003.. 791 069 2002.. 911 590	3 3 X
3132495	Warp knit fabrics, lace and net goods, all leavers and nottingham lace machine products, including bobbinets and barmen laces	2004.. 45 390 2003.. 41 459 2002.. 42 178	3 1 X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
313249	Other knit fabric and lace mills—Con.			
3132497	Warp knit fabrics, lace and net goods, contract and commission receipts for knitting only or knitting and finishing	2004..	103 944	14
		2003..	80 789	17
		2002..	71 784	X
313249A	Warp knit fabrics, other nonapparel products (including knitted towels and washcloths), except fabrics, lace, and net goods	2004..	32 055	48
		2003..	24 463	1
		2002..	26 039	X
313249W	Other knit fabric and lace mills, nsk, total	2004..	72 979	5
		2003..	50 045	24
		2002..	83 615	X
313311	Broadwoven fabric finishing mills	2004..	4 994 674	5
		2003..	6 158 835	2
		2002..	6 638 421	X
3133111	Broadwoven fabrics, cotton, finished in finishing mills	2004..	1 384 713	3
		2003..	1 641 067	3
		2002..	1 748 242	X
3133113	Broadwoven fabrics, cotton, job or commission finishing	2004..	701 241	6
		2003..	793 902	9
		2002..	954 650	X
3133115	Broadwoven fabrics, manmade fiber and silk, finished in finishing mills	2004..	1 625 670	4
		2003..	2 112 527	4
		2002..	2 210 982	X
3133117	Broadwoven fabrics, manmade fiber and silk, job or commission finishing	2004..	575 909	20
		2003..	D	S
		2002..	D	X
3133119	Broadwoven fabrics, finished, wool (including felts), not finished in weaving mills	2004..	15 946	1
		2003..	D	S
		2002..	D	X
313311W	Broadwoven fabric finishing mills, nsk, total	2004..	691 195	25
		2003..	854 818	3
		2002..	953 823	X
313312	Textile and fabric finishing (except broadwoven fabric) mills	2004..	2 817 354	3
		2003..	2 848 697	2
		2002..	3 398 940	X
3133120	Finished fabrics (except broadwoven) and other finished textiles	2004..	2 817 354	3
		2003..	2 848 697	2
		2002..	3 398 940	X
313320	Fabric coating mills	2004..	2 381 867	4
		2003..	2 307 100	2
		2002..	2 146 964	X
3133201	Vinyl coated fabrics, including expanded vinyl coated	2004..	828 288	2
		2003..	717 617	3
		2002..	673 601	X
3133204	Rubber coated fabrics and garments	2004..	166 476	9
		2003..	224 027	7
		2002..	204 208	X
3133205	Other coated or laminated fabrics and coated yarns	2004..	1 315 763	7
		2003..	1 205 977	3
		2002..	1 042 404	X
313320W	Fabric coating mills, nsk, total	2004..	71 340	60
		2003..	159 479	12
		2002..	226 751	X
314110	Carpet and rug mills	2004..	14 567 707	2
		2003..	13 543 327	1
		2002..	13 413 346	X
3141101	Carpet and rugs, woven ²	2004..	1 640 882	10
		2003..	1 391 421	7
		2002..	769 819	X
3141103	Carpet and rugs, tufted ²	2004..	11 717 451	1
		2003..	10 956 615	1
		2002..	11 402 313	X
3141105	Other carpet, rugs, and mats ²	2004..	427 483	21
		2003..	414 181	12
		2002..	417 693	X
314110W	Carpet and rug mills, nsk, total	2004..	781 892	1
		2003..	781 111	7
		2002..	823 521	X
314121	Curtain and drapery mills	2004..	1 262 907	4
		2003..	1 346 560	4
		2002..	1 484 735	X
3141210	Curtains and draperies	2004..	1 262 907	4
		2003..	1 346 560	4
		2002..	1 484 735	X
314129	Other household textile product mills	2004..	5 678 650	2
		2003..	5 586 380	1
		2002..	6 051 337	X
3141291	Bedspreads, made from purchased materials	2004..	189 281	8
		2003..	183 535	2
		2002..	185 292	X
3141293	Sheets and pillowcases, made from purchased materials	2004..	1 116 193	3
		2003..	1 151 776	1
		2002..	1 363 386	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
314129	Other household textile product mills—Con.		
3141295	Towels and washcloths, made from purchased materials	2004.. 597 691	2
		2003.. 597 115	1
		2002.. 587 024	X
3141296	Other household furnishings, made from purchased materials ²	2004.. 3 446 609	2
		2003.. 3 263 756	1
		2002.. 3 484 900	X
314129W	Other household textile product mills, nsk, total	2004.. 328 876	16
		2003.. 390 198	4
		2002.. 430 735	X
314911	Textile bag mills	2004.. 672 103	6
		2003.. 641 988	6
		2002.. 664 497	X
3149110	Textile bags	2004.. 672 103	6
		2003.. 641 988	6
		2002.. 664 497	X
314912	Canvas and related product mills	2004.. 2 289 132	5
		2003.. 1 780 384	4
		2002.. 1 696 259	X
3149120	Canvas and related products	2004.. 2 289 132	5
		2003.. 1 780 384	4
		2002.. 1 696 259	X
314991	Rope, cordage, and twine mills	2004.. 594 033	6
		2003.. 552 795	3
		2002.. 602 538	X
3149911	Cordage and twine, hard fiber	2004.. 78 122	17
		2003.. 74 771	14
		2002.. 74 320	X
3149913	Cordage and twine, soft fiber, except cotton	2004.. 422 371	6
		2003.. 369 312	4
		2002.. 412 234	X
3149915	Cordage and twine, cotton	2004.. 36 665	23
		2003.. 42 781	6
		2002.. 45 220	X
314991W	Rope, cordage, and twine mills, nsk, total	2004.. 56 875	29
		2003.. 65 931	7
		2002.. 70 764	X
314992	Tire cord and tire fabric mills	2004.. 1 255 342	1
		2003.. 1 266 202	1
		2002.. 1 251 925	X
3149920	Tire cord and tire fabrics ²	2004.. 1 255 342	1
		2003.. 1 266 202	1
		2002.. 1 251 925	X
314999	All other miscellaneous textile product mills	2004.. 4 846 470	3
		2003.. 4 796 898	3
		2002.. 4 962 736	X
3149991	Recovered fibers, processed mill waste and related products	2004.. 194 080	10
		2003.. 175 481	7
		2002.. 187 128	X
3149993	Paddings and upholstery filling, batting, and wadding (except foam rubber and plastics)	2004.. 603 710	13
		2003.. 489 382	8
		2002.. 508 604	X
3149995	Embroideries, except Schiffl machine products	2004.. 494 247	7
		2003.. 577 466	6
		2002.. 537 557	X
3149997	Trimnings and findings, other types	2004.. 259 718	1
		2003.. 221 890	11
		2002.. 242 972	X
3149998	All other miscellaneous fabricated textile products	2004.. 2 417 364	4
		2003.. 2 334 516	4
		2002.. 2 404 902	X
314999W	All other miscellaneous textile product mills, nsk, total	2004.. 877 350	13
		2003.. 998 163	8
		2002.. 1 081 573	X
315111	Sheer hosiery mills	2004.. 901 442	3
		2003.. 838 734	2
		2002.. 886 348	X
3151111	Sheer hosiery, women's, misses', and girls', finished, full-length, knee-length, and below the knee	2004.. 280 209	7
		2003.. 228 534	6
		2002.. 229 248	X
3151113	Sheer pantyhose, including tights, women's, misses', and girls', finished, all needles	2004.. 513 370	4
		2003.. 515 363	1
		2002.. 517 180	X
3151115	Sheer hosiery, except socks, women's, misses', and girls', shipped in the greige	2004.. 70 204	11
		2003.. 67 732	14
		2002.. 109 237	X
315111W	Sheer hosiery mills, nsk, total	2004.. 37 660	1
		2003.. 27 104	14
		2002.. 30 683	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315119	Other hosiery and sock mills	2004..	2 022 290	3
		2003..	2 164 365	4
		2002..	2 346 036	X
3151191	Hosiery and socks, men's, finished, seamless, sizes 10 and up	2004..	1 030 574	4
		2003..	985 752	6
		2002..	1 265 617	X
3151193	Hosiery, all other types, except sheer, finished	2004..	751 125	3
		2003..	970 159	7
		2002..	856 939	X
3151195	Hosiery, except sheer, seamless, shipped in the greige	2004..	159 955	17
		2003..	141 595	15
		2002..	127 230	X
315119W	Other hosiery and sock mills, nsk, total	2004..	80 637	3
		2003..	66 860	8
		2002..	96 250	X
315191	Outerwear knitting mills	2004..	851 018	9
		2003..	1 262 074	2
		2002..	1 570 814	X
3151912	Sweaters, men's and boys', made in knitting mills ²	2004..	16 325	34
		2003..	36 847	4
		2002..	59 532	X
3151914	Sweaters, women's, girls', and infants', made in knitting mills ²	2004..	176 472	13
		2003..	225 435	3
		2002..	310 107	X
3151917	Shirts, dress and sport (including polo, tank tops, sweat and t-shirts), knit, men's and boys', made in knitting mills	2004..	254 027	14
		2003..	380 518	2
		2002..	454 825	X
315191B	Shirts and blouses (including polo, tank tops, sweat and t-shirts), knit, women's, girls', and infants', made in knitting mills ²	2004..	105 349	1
		2003..	155 559	11
		2002..	201 338	X
315191D	Outerwear (except sweaters, shirts and blouses), knit, made in knitting mills	2004..	97 560	1
		2003..	78 091	2
		2002..	106 419	X
315191E	Contract receipts for knitting only or knitting and finishing knitting mill products, except underwear and nightwear	2004..	47 894	12
		2003..	73 444	15
		2002..	80 472	X
315191G	Gloves and mittens, made in knitting mills	2004..	47 329	16
		2003..	47 957	4
		2002..	54 562	X
315191H	Apparel products (except outerwear, gloves and mittens, underwear, and nightwear), other types (hats, mufflers, scarves, etc.), made in knitting mills	2004..	40 955	1
		2003..	51 930	14
		2002..	39 204	X
315191W	Outerwear knitting mills, nsk, total	2004..	65 109	96
		2003..	212 294	7
		2002..	264 355	X
315192	Underwear and nightwear knitting mills	2004..	323 601	1
		2003..	418 498	4
		2002..	783 592	X
3151921	Underwear, nightwear, and robes, men's and boys', knit, made in knitting mills	2004..	D	S
		2003..	D	S
		2002..	338 232	X
3151924	Underwear and nightwear, women's, girls', and infants', knit, made in knitting mills	2004..	178 578	1
		2003..	215 899	4
		2002..	434 039	X
315192E	Contract receipts for knitting only or knitting and finishing underwear and nightwear	2004..	D	S
		2003..	D	S
		2002..	-	X
315192W	Underwear and nightwear knitting mills, nsk, total	2004..	7 500	1
		2003..	11 362	1
		2002..	11 321	X
315211	Men's and boys' cut and sew apparel contractors	2004..	688 007	9
		2003..	835 442	7
		2002..	931 052	X
3152111	Contract receipts for men's and boys' tailored suits, coats, jackets, and vests	2004..	85 415	15
		2003..	86 620	13
		2002..	94 602	X
3152113	Contract receipts for men's and boys' shirts, except work shirts	2004..	77 286	24
		2003..	229 741	5
		2002..	216 448	X
3152116	Contract receipts for men's and boys' underwear and nightwear, including robes	2004..	15 479	54
		2003..	18 657	43
		2002..	28 044	X
3152118	Contract receipts for men's and boys' pants, work apparel, and other outerwear	2004..	283 507	14
		2003..	228 576	18
		2002..	375 322	X
315211A	Contract receipts for men's and boys' embroidering (except Schiffli), team sport uniforms, costumes, and other apparel and apparel accessories	2004..	69 791	13
		2003..	128 565	26
		2002..	84 626	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315211	Men's and boys' cut and sew apparel contractors—Con.		
315211W	Men's and boys' cut and sew apparel contractors, nsk, total	2004.. 156 529	26
		2003.. 143 283	5
		2002.. 132 010	X
315212	Women's, girls', and infants' cut and sew apparel contractors	2004.. 2 362 355	4
		2003.. 2 121 671	5
		2002.. 2 591 890	X
3152121	Contract receipts for women's, misses', girls', and infants' shirts and blouses	2004.. 224 744	19
		2003.. 287 732	14
		2002.. 442 951	X
3152123	Contract receipts for women's, girls', and infants' dresses	2004.. 272 035	13
		2003.. 291 401	23
		2002.. 446 386	X
3152125	Contract receipts for women's, girls', and infants' skirts, tailored suits, coats, jackets, and vests	2004.. 173 683	14
		2003.. 178 270	7
		2002.. 258 597	X
3152127	Contract receipts for women's, girls', and infants' nontailored coats, jackets, and vests, pants, shorts, swimwear, sweaters, and other outerwear	2004.. 496 237	7
		2003.. 538 682	8
		2002.. 702 434	X
3152128	Contract receipts for women's, girls', and infants' underwear and nightwear, including robes and foundation garments	2004.. 19 284	11
		2003.. 25 426	10
		2002.. 25 725	X
315212A	Contract receipts for women's, girls', and infants' embroidering (except Schiffli), team sport uniforms, costumes, and other apparel and apparel accessories	2004.. 45 645	14
		2003.. 42 095	13
		2002.. 35 474	X
315212W	Women's, girls', and infants' cut and sew apparel contractors, nsk, total	2004.. 1 130 726	4
		2003.. 758 064	5
		2002.. 680 323	X
315221	Men's and boys' cut and sew underwear and nightwear manufacturing	2004.. 150 264	14
		2003.. 178 269	23
		2002.. 246 151	X
3152210	Men's and boys' knit underwear, nightwear, and robes, made from purchased fabrics	2004.. 150 264	14
		2003.. 178 269	23
		2002.. 246 151	X
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	2004.. 966 275	3
		2003.. 994 075	4
		2002.. 947 309	X
3152222	Men's and boys' tailored suits, including dress uniforms (firefighter, military, police, etc.), made from purchased fabrics ²	2004.. 602 304	3
		2003.. 604 904	4
		2002.. 519 685	X
3152224	Men's and boys' tailored overcoats, topcoats, car and suburban coats (including water-repellent), made from purchased fabrics ²	2004.. 60 266	5
		2003.. 85 957	14
		2002.. 96 928	X
3152226	Men's and boys' tailored dress and sport coats and vests, made from purchased fabrics ²	2004.. 278 117	8
		2003.. 257 859	9
		2002.. 293 564	X
315222W	Men's and boys' cut and sew suit, coat, and overcoat manufacturing, nsk, total	2004.. 25 587	19
		2003.. 45 355	2
		2002.. 37 132	X
315223	Men's and boys' cut and sew shirt (except work shirt) manufacturing	2004.. 1 332 008	3
		2003.. 1 333 397	4
		2002.. 1 547 380	X
3152231	Men's and boys' knit dress and sport shirts (including polo, tank tops, sweat and t-shirts), made from purchased fabrics	2004.. 903 253	4
		2003.. 852 654	7
		2002.. 1 081 535	X
3152233	Men's and boys' woven dress and sport shirts, made from purchased fabrics ²	2004.. 306 226	1
		2003.. 369 469	2
		2002.. 372 761	X
315223W	Men's and boys' cut and sew shirts (except work shirts) manufacturing, nsk, total	2004.. 122 530	19
		2003.. 111 274	1
		2002.. 93 084	X
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	2004.. 2 582 985	2
		2003.. 4 075 354	2
		2002.. 4 136 331	X
3152242	Men's and boys' separate dress and sport trousers, pants, and slacks (except jeans, jean-cut casual slacks, workpants, and sweatpants), made from purchased fabrics ²	2004.. 541 069	3
		2003.. 1 214 755	1
		2002.. 1 424 033	X
3152244	Men's and boys' jeans and jean-cut casual slacks, made from purchased fabrics ²	2004.. 1 902 308	2
		2003.. 2 694 477	3
		2002.. 2 584 804	X
315224W	Men's and boys' cut and sew trouser, slack, and jean manufacturing, nsk, total	2004.. 139 609	6
		2003.. 166 122	17
		2002.. 127 494	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315225	Men's and boys' cut and sew work clothing manufacturing	2004.. 1 496 287	3
		2003.. 1 412 217	4
		2002.. 1 741 803	X
3152251	Men's and boys' work shirts, made from purchased fabrics ²	2004.. 283 837	8
		2003.. 290 450	16
		2002.. 450 921	X
3152254	Men's and boys' workpants (except jeans), work jackets, coveralls, overalls, jumpsuits, and washable service apparel, including hospital patient wear (except disposable), made from purchased fabrics ²	2004.. 1 094 235	4
		2003.. 1 055 782	4
		2002.. 1 232 344	X
315225W	Men's and boys' cut and sew work clothing manufacturing, nsk, total	2004.. 118 215	12
		2003.. 65 986	16
		2002.. 58 538	X
315228	Men's and boys' cut and sew other outerwear manufacturing	2004.. 934 808	5
		2003.. 1 096 970	2
		2002.. 1 134 203	X
3152282	Men's and boys' nontailored coats, jackets, and vests, including down- and feather-filled (except ski apparel and work jackets), made from purchased fabrics ²	2004.. 337 540	7
		2003.. 358 385	5
		2002.. 373 987	X
3152284	Men's and boys' shorts (including dress and athletic) and swimwear, made from purchased fabrics ²	2004.. 290 455	4
		2003.. 373 396	1
		2002.. 442 714	X
3152286	Men's and boys' sweaters, sweatpants, jogging and warm-up suits, playsuits, beachwear (except swimsuits), and ski apparel, made from purchased fabrics ²	2004.. 232 840	6
		2003.. 248 219	3
		2002.. 204 897	X
315228W	Men's and boys' cut and sew other outerwear manufacturing, nsk, total	2004.. 73 973	40
		2003.. 116 970	16
		2002.. 112 605	X
315231	Women's and girls' cut and sew lingerie, loungewear, and nightwear manufacturing	2004.. 1 572 679	4
		2003.. 1 658 972	2
		2002.. 1 922 377	X
3152311	Women's and girls' underwear, except foundation garments, made from purchased fabrics	2004.. 253 078	3
		2003.. 225 244	13
		2002.. 367 037	X
3152313	Women's and girls' nightwear, except robes, made from purchased fabrics	2004.. 206 500	4
		2003.. 234 959	3
		2002.. 256 728	X
3152315	Women's and girls' brassieres, bra-lettes, and bandeaux, made from purchased fabrics	2004.. 857 570	1
		2003.. 1 021 217	2
		2002.. 1 065 703	X
3152318	Women's and girls' corsets (except surgical), girdles, and combinations, made from purchased fabrics	2004.. 54 819	1
		2003.. 42 280	10
		2002.. 56 450	X
3152319	Women's and girls' robes and dressing gowns, made from purchased fabrics	2004.. 63 186	1
		2003.. 57 634	4
		2002.. 66 783	X
315231W	Women's and girls' cut and sew lingerie, loungewear and nightwear manufacturing, nsk, total	2004.. 137 525	46
		2003.. 77 638	5
		2002.. 109 676	X
315232	Women's and girls' cut and sew blouse and shirt manufacturing	2004.. 2 397 994	3
		2003.. 2 685 602	3
		2002.. 3 117 363	X
3152321	Women's and girls' knit shirts and blouses (including polo, tank tops, sweat and t-shirts), made from purchased fabrics ²	2004.. 1 356 378	5
		2003.. 1 540 745	4
		2002.. 1 617 339	X
3152323	Women's and girls' woven shirts and blouses, made from purchased fabrics ²	2004.. 796 024	4
		2003.. 902 960	5
		2002.. 1 232 060	X
315232W	Women's and girls' cut and sew blouse and shirt manufacturing, nsk, total	2004.. 245 592	12
		2003.. 241 897	3
		2002.. 267 964	X
315233	Women's and girls' cut and sew dress manufacturing	2004.. 2 059 729	4
		2003.. 2 538 570	3
		2002.. 3 013 378	X
3152330	Women's and girls' dresses, made from purchased fabrics ²	2004.. 2 059 729	4
		2003.. 2 538 570	3
		2002.. 3 013 378	X
315234	Women's and girls' cut and sew suit, coat, tailored jacket, and skirt manufacturing	2004.. 960 130	4
		2003.. 1 249 998	4
		2002.. 1 518 564	X
3152342	Women's and girls' tailored coats and capes, including water-repellent (except fur, leather, down- and feather-filled), made from purchased fabrics ²	2004.. 146 932	10
		2003.. 208 404	13
		2002.. 234 298	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315234	Women's and girls' cut and sew suit, coat, tailored jacket, and skirt manufacturing—Con.		
3152344	Women's and girls' tailored suits and pantsuits, including dress uniforms (firefighter, military, police, etc), made from purchased fabrics ²	2004.. 140 328	6
		2003.. 145 083	2
		2002.. 163 838	X
3152346	Women's and girls' skirts, made from purchased fabrics ²	2004.. 409 595	2
		2003.. 520 250	5
		2002.. 697 051	X
3152348	Women's and girls' tailored jackets and vests, except fur and leather, made from purchased fabrics ²	2004.. 173 211	9
		2003.. 218 278	5
		2002.. 294 741	X
315234W	Women's and girls' cut and sew suit, coat, tailored jacket, and skirt manufacturing, nsk, total.....	2004.. 90 065	29
		2003.. 157 982	12
		2002.. 128 636	X
315239	Women's and girls' cut and sew other outerwear manufacturing.....	2004.. 3 263 121	2
		2003.. 3 907 770	4
		2002.. 4 952 969	X
3152392	Women's and girls' sweaters, including sweater vests, made from purchased fabrics ²	2004.. 182 817	6
		2003.. 169 428	4
		2002.. 223 452	X
3152394	Women's and girls' shorts, including tennis skirts, made from purchased fabrics ²	2004.. 203 618	9
		2003.. 356 022	2
		2002.. 551 639	X
3152396	Women's and girls' slacks, jeans, and jean-cut casual slacks (except sweatpants), made from purchased fabrics ²	2004.. 1 387 603	2
		2003.. 1 927 336	3
		2002.. 2 389 556	X
3152398	Women's and girls' sweatpants, bodysuits and bodyshirts, jogging and warm-up suits, playsuits, rompers, and beachwear (except swimwear), made from purchased fabrics ²	2004.. 116 015	14
		2003.. 148 796	12
		2002.. 208 068	X
315239A	Women's and girls' swimwear, made from purchased fabrics ²	2004.. 552 043	1
		2003.. 455 056	24
		2002.. 639 666	X
315239C	Women's and girls' nontailored coats, jackets, and vests (including water-repellent, down- and feather-filled, and ski apparel), made from purchased fabrics ²	2004.. 134 851	8
		2003.. 177 050	11
		2002.. 164 841	X
315239E	Women's and girls' washable service apparel (including hospital patient wear (except disposable), coveralls, overalls, and jumpsuits), made from purchased fabrics ²	2004.. 298 481	6
		2003.. 331 181	4
		2002.. 413 504	X
315239W	Women's and girls' cut and sew other outerwear manufacturing, nsk, total.....	2004.. 387 694	10
		2003.. 342 900	27
		2002.. 362 243	X
315291	Infants' cut and sew apparel manufacturing.....	2004.. 95 727	6
		2003.. 134 789	9
		2002.. 240 606	X
3152910	Infants' apparel, made from purchased fabrics ²	2004.. 95 727	6
		2003.. 134 789	9
		2002.. 240 606	X
315292	Fur and leather apparel manufacturing.....	2004.. 130 529	4
		2003.. 171 830	5
		2002.. 189 893	X
3152921	Fur garments, accessories, and trimmings (coats, capes, jackets, neck pieces, fur linings, etc.).....	2004.. 44 570	10
		2003.. 45 242	12
		2002.. 42 663	X
3152925	Leather and sheep-lined clothing.....	2004.. 70 449	3
		2003.. 114 731	4
		2002.. 125 556	X
315292W	Fur and leather apparel manufacturing, nsk, total.....	2004.. 15 510	8
		2003.. 11 856	25
		2002.. 21 674	X
315299	All other cut and sew apparel manufacturing.....	2004.. 1 173 361	4
		2003.. 1 075 719	3
		2002.. 967 603	X
3152991	Team sport uniforms, men's and boys ²	2004.. 231 911	10
		2003.. 255 405	8
		2002.. 217 991	X
3152993	Team sport uniforms, women's and girls ²	2004.. 70 851	15
		2003.. 65 615	9
		2002.. 71 256	X
3152995	Vestments and costumes.....	2004.. 599 671	3
		2003.. 567 708	3
		2002.. 504 835	X
3152997	Apparel, plastic or rubber (50% or greater), including raincoats and rubber pants (except wet suits) ²	2004.. 37 985	3
		2003.. 45 231	2
		2002.. 38 236	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315299	All other cut and sew apparel manufacturing—Con.		
315299W	All other cut and sew apparel manufacturing, nsk, total	2004.. 232 942	13
		2003.. 141 761	5
		2002.. 135 285	X
315991	Hat, cap, and millinery manufacturing	2004.. 484 227	3
		2003.. 520 509	7
		2002.. 538 383	X
3159912	Hats and caps, fabric, straw, and felt, men's and boys'	2004.. 149 786	7
		2003.. 180 487	12
		2002.. 166 042	X
3159915	Hats and caps (fabric, straw, and felt), women's, girls', and infants'	2004.. 24 655	9
		2003.. 27 274	46
		2002.. 36 008	X
3159916	Hat bodies and fabric caps	2004.. 208 695	3
		2003.. 192 985	13
		2002.. 249 944	X
315991W	Hat, cap, and millinery manufacturing, nsk, total	2004.. 101 091	8
		2003.. 119 763	2
		2002.. 86 389	X
315992	Glove and mitten manufacturing	2004.. 144 788	6
		2003.. 128 891	23
		2002.. 157 034	X
3159921	Gloves and mittens, made from purchased fabrics	2004.. 39 099	3
		2003.. 35 442	83
		2002.. 58 979	X
3159923	Gloves and mittens, leather-and-fabric combinations, made from purchased leather and fabrics	2004.. 13 293	5
		2003.. 13 385	2
		2002.. 13 317	X
3159925	Gloves and mittens, all leather, made from purchased leather	2004.. 64 693	5
		2003.. 44 902	1
		2002.. 46 607	X
315992W	Glove and mitten manufacturing, nsk, total	2004.. 27 702	28
		2003.. 35 162	19
		2002.. 38 131	X
315993	Men's and boys' neckwear manufacturing	2004.. 343 963	4
		2003.. 371 962	1
		2002.. 344 965	X
3159930	Men's and boys' neckwear	2004.. 343 963	4
		2003.. 371 962	1
		2002.. 344 965	X
315999	Other apparel accessories and other apparel manufacturing	2004.. 1 015 143	8
		2003.. 1 045 625	4
		2002.. 1 207 477	X
3159991	Neckware (scarfs, dickies, etc.), women's and girls'	2004.. 18 557	11
		2003.. 18 910	20
		2002.. 19 494	X
3159995	Leather belts	2004.. 225 472	18
		2003.. 288 953	9
		2002.. 426 871	X
3159997	Belts, except leather	2004.. 55 866	15
		2003.. 45 214	8
		2002.. 46 108	X
3159999	Apparel accessories (including aprons, bibs, rainhats, and shower and bathing caps), plastic or rubber (50 percent or greater)	2004.. 44 879	11
		2003.. 59 994	13
		2002.. 58 602	X
315999A	Hose supporters, arm bands, suspenders, and handkerchiefs	2004.. 37 506	21
		2003.. 43 173	1
		2002.. 43 988	X
315999D	Apparel accessories, all other types (apparel findings, trimmings, etc.), fabricated	2004.. 282 916	5
		2003.. 264 392	7
		2002.. 279 090	X
315999W	Other apparel accessories and other apparel manufacturing, nsk, total	2004.. 349 947	18
		2003.. 324 989	4
		2002.. 333 324	X
316110	Leather and hide tanning and finishing	2004.. 2 046 687	1
		2003.. 2 016 459	2
		2002.. 2 061 392	X
3161101	Leather, finished and unfinished	2004.. 1 818 389	1
		2003.. 1 807 472	2
		2002.. 1 879 475	X
3161104	Contract and commission receipts for tanning or finishing leather owned by others	2004.. 109 358	14
		2003.. 99 078	7
		2002.. 89 930	X
3161107	Furs, dressed and dyed or bleached	2004.. 19 794	1
		2003.. 15 342	1
		2002.. 11 487	X
316110W	Leather and hide tanning and finishing, nsk, total	2004.. 99 146	1
		2003.. 94 567	9
		2002.. 80 500	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
316211	Rubber and plastics footwear manufacturing	2004..	522 166	1
		2003..	508 462	3
		2002..	480 428	X
3162111	Rubber and plastics footwear, protective ²	2004..	166 615	1
		2003..	142 592	7
		2002..	120 051	X
3162114	Rubber and plastics shoes (except sandals and slippers), soles vulcanized, molded, or cemented to fabric uppers ²	2004..	343 966	1
		2003..	352 071	3
		2002..	348 657	X
316211W	Rubber and plastics footwear manufacturing, nsk, total	2004..	11 585	1
		2003..	13 799	2
		2002..	11 720	X
316212	House slipper manufacturing	2004..	6 027	1
		2003..	15 423	1
		2002..	84 618	X
3162120	House slippers and slipper socks ²	2004..	6 027	1
		2003..	15 423	1
		2002..	84 618	X
316213	Men's footwear (except athletic) manufacturing	2004..	977 548	1
		2003..	961 555	7
		2002..	956 807	X
3162130	Men's footwear (size 6 and larger), except athletic ²	2004..	977 548	1
		2003..	961 555	7
		2002..	956 807	X
316214	Women's footwear (except athletic) manufacturing	2004..	289 168	1
		2003..	278 614	2
		2002..	263 398	X
3162140	Women's footwear (size 4 and larger), except athletic ²	2004..	289 168	1
		2003..	278 614	2
		2002..	263 398	X
316219	Other footwear manufacturing	2004..	143 654	5
		2003..	129 535	4
		2002..	135 233	X
3162190	Other footwear, except rubber ²	2004..	143 654	5
		2003..	129 535	4
		2002..	135 233	X
316991	Luggage manufacturing	2004..	550 259	6
		2003..	489 163	8
		2002..	509 933	X
3169910	Luggage	2004..	550 259	6
		2003..	489 163	8
		2002..	509 933	X
316992	Women's handbag and purse manufacturing	2004..	388 857	4
		2003..	287 142	2
		2002..	211 113	X
3169920	Women's and children's handbags and purses	2004..	388 857	4
		2003..	287 142	2
		2002..	211 113	X
316993	Personal leather good (except women's handbag and purse) manufacturing	2004..	278 901	8
		2003..	272 679	4
		2002..	289 282	X
3169930	All other personal leather goods	2004..	278 901	8
		2003..	272 679	4
		2002..	289 282	X
316999	All other leather good manufacturing	2004..	541 181	4
		2003..	580 573	2
		2002..	638 502	X
3169991	Boot and shoe cut stock and findings	2004..	47 014	23
		2003..	64 626	14
		2002..	78 345	X
3169994	All other miscellaneous leather goods	2004..	419 798	4
		2003..	443 639	2
		2002..	478 157	X
316999W	All other leather good manufacturing, nsk, total	2004..	74 369	14
		2003..	72 308	5
		2002..	82 000	X
321113	Sawmills	2004..	24 333 349	2
		2003..	21 038 177	2
		2002..	20 233 406	X
3211131	Hardwood lumber, made in sawmills	2004..	4 637 453	4
		2003..	4 249 055	2
		2002..	3 780 678	X
3211133	Softwood lumber, made in sawmills	2004..	14 131 941	1
		2003..	11 525 832	1
		2002..	11 128 870	X
3211135	Wood chips, except field chips	2004..	1 928 944	3
		2003..	1 772 701	11
		2002..	1 769 824	X
3211137	Wood ties, siding, shingles, and shakes and contract sawing of logs owned by others	2004..	298 445	18
		2003..	274 948	4
		2002..	252 102	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
321113	Sawmills—Con.	2004..	3 336 566	10
321113W	Sawmills, nsk, total.....	2003..	3 215 642	7
		2002..	3 301 932	X
321114	Wood preservation.....	2004..	4 604 935	2
		2003..	4 419 384	2
		2002..	4 179 455	X
3211141	Wood poles, piles, and posts owned and treated by the same establishment.....	2004..	941 629	3
		2003..	1 002 218	4
		2002..	920 410	X
3211145	Other wood products owned and treated by the same establishment.....	2004..	3 037 441	2
		2003..	2 880 720	2
		2002..	2 823 627	X
3211149	Contract wood preservation.....	2004..	219 673	26
		2003..	160 986	5
		2002..	165 571	X
321114W	Wood preservation, nsk, total.....	2004..	406 192	4
		2003..	375 461	10
		2002..	269 847	X
321211	Hardwood veneer and plywood manufacturing.....	2004..	2 894 949	3
		2003..	2 897 685	2
		2002..	2 988 408	X
3212111	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material.....	2004..	992 642	4
		2003..	1 081 138	3
		2002..	1 121 230	X
3212113	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood.....	2004..	1 060 376	6
		2003..	1 049 100	2
		2002..	1 049 725	X
3212115	Prefinished hardwood plywood made from purchased hardwood plywood.....	2004..	111 787	7
		2003..	112 184	20
		2002..	131 971	X
3212117	Hardwood plywood type products.....	2004..	516 264	7
		2003..	426 116	7
		2002..	476 011	X
321211W	Hardwood veneer and plywood manufacturing, nsk, total.....	2004..	213 880	7
		2003..	229 146	12
		2002..	209 471	X
321212	Softwood veneer and plywood manufacturing.....	2004..	5 300 505	2
		2003..	4 575 879	1
		2002..	4 491 503	X
3212121	Softwood veneer, including veneer backed with paper, cloth, or other flexible material.....	2004..	871 613	3
		2003..	882 069	2
		2002..	867 204	X
3212123	Softwood plywood, rough, including touch sanded, interior and exterior.....	2004..	2 738 059	2
		2003..	2 348 653	1
		2002..	2 308 338	X
3212125	Softwood plywood, sanded, interior and exterior.....	2004..	654 926	3
		2003..	612 545	7
		2002..	647 967	X
3212128	Softwood plywood specialties.....	2004..	985 569	9
		2003..	679 017	1
		2002..	624 683	X
321212W	Softwood veneer and plywood manufacturing, nsk, total.....	2004..	50 338	13
		2003..	53 595	17
		2002..	43 311	X
321213	Engineered wood member (except truss) manufacturing.....	2004..	2 479 812	2
		2003..	2 218 019	2
		2002..	2 051 486	X
3212130	Engineered wood members (except trusses).....	2004..	2 479 812	2
		2003..	2 218 019	2
		2002..	2 051 486	X
321214	Truss manufacturing.....	2004..	5 398 207	3
		2003..	4 670 713	3
		2002..	4 218 869	X
3212140	Wood trusses.....	2004..	5 398 207	3
		2003..	4 670 713	3
		2002..	4 218 869	X
321219	Reconstituted wood product manufacturing.....	2004..	7 813 558	2
		2003..	6 676 004	1
		2002..	5 670 063	X
3212191	Particleboard made from particleboard produced at the same location.....	2004..	1 307 967	9
		2003..	1 061 717	3
		2002..	1 203 134	X
3212192	Waferboard and oriented strandboard.....	2004..	3 803 257	1
		2003..	2 885 349	2
		2002..	1 933 582	X
3212193	Medium density fiberboard (MDF) made from MDF produced at the same location.....	2004..	847 421	1
		2003..	675 625	2
		2002..	657 842	X
3212194	Hardboard made from hardboard produced at the same location.....	2004..	536 509	3
		2003..	622 670	1
		2002..	475 013	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
321219	Reconstituted wood product manufacturing—Con.			
3212195	Cellulosic fiberboard (insulating board)	2004..	124 634	1
		2003..	156 614	19
		2002..	117 793	X
3212197	Hardboard made from purchased hardboard	2004..	318 635	6
		2003..	376 136	6
		2002..	319 961	X
3212198	Prefinished particleboard and medium density fiberboard (MDF) made from purchased particleboard and MDF	2004..	667 758	5
		2003..	704 760	3
		2002..	753 549	X
321219W	Reconstituted wood product manufacturing, nsk, total	2004..	207 376	5
		2003..	193 133	6
		2002..	209 189	X
321911	Wood window and door manufacturing	2004..	12 018 075	2
		2003..	10 657 067	3
		2002..	10 084 575	X
3219111	Wood window units	2004..	3 703 763	3
		2003..	3 280 090	3
		2002..	2 998 536	X
3219113	Wood sash, excluding sash shipped in window units	2004..	89 045	8
		2003..	90 236	4
		2002..	81 040	X
3219115	Wood window and door frames, including door frames shipped in door units, excluding window frames shipped in window units	2004..	656 904	2
		2003..	600 249	4
		2002..	532 855	X
3219117	Wood panel, flush, and molded face doors, interior and exterior, including doors with glazed sections	2004..	4 076 260	2
		2003..	3 393 513	3
		2002..	3 328 935	X
3219119	Other wood doors, including garage, patio, bifold, cabinet, screen, storm, and louver	2004..	1 911 070	4
		2003..	1 766 820	2
		2002..	1 608 848	X
321911W	Wood window and door manufacturing, nsk, total	2004..	1 581 034	10
		2003..	1 526 159	16
		2002..	1 534 361	X
321912	Cut stock, resawing lumber, and planing	2004..	6 133 592	4
		2003..	5 565 000	4
		2002..	5 380 075	X
3219121	Hardwood lumber, made from purchased lumber	2004..	1 567 418	9
		2003..	1 363 263	15
		2002..	1 084 139	X
3219123	Softwood lumber, made from purchased lumber	2004..	2 136 496	3
		2003..	1 798 642	1
		2002..	1 723 623	X
3219126	Hardwood cut stock and dimension	2004..	1 019 858	6
		2003..	965 556	3
		2002..	966 281	X
3219128	Softwood cut stock and dimension	2004..	567 280	9
		2003..	579 341	1
		2002..	641 738	X
3219129	Sawn wood fence stock, wood lath, and contract resawing and planing	2004..	120 405	8
		2003..	142 885	18
		2002..	112 082	X
321912W	Cut stock, resawn lumber, and planing, nsk, total	2004..	722 134	20
		2003..	715 313	9
		2002..	852 212	X
321918	Other millwork (including flooring)	2004..	6 922 008	2
		2003..	6 099 593	2
		2002..	5 697 058	X
3219181	Wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc.	2004..	2 305 222	4
		2003..	2 112 813	5
		2002..	2 030 146	X
3219183	Prefinished wood moldings made from purchased moldings, including wood moldings covered with metal and plastics	2004..	110 667	12
		2003..	98 165	2
		2002..	93 436	X
3219185	Other wood millwork products, including stairwork, exterior millwork, and softwood flooring	2004..	1 716 587	3
		2003..	1 602 825	4
		2002..	1 534 377	X
3219187	Hardwood flooring	2004..	2 011 057	3
		2003..	1 681 134	4
		2002..	1 579 068	X
321918W	Other millwork (including flooring), nsk, total	2004..	778 475	4
		2003..	604 657	5
		2002..	460 031	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

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Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
321920	Wood container and pallet manufacturing	2004..	5 199 990	3
		2003..	4 712 028	2
		2002..	4 808 511	X
3219201	Nailed and lock-corner wood boxes	2004..	409 613	10
		2003..	370 965	16
		2002..	329 856	X
3219203	Wood box and crate shooK	2004..	163 195	12
		2003..	130 282	16
		2002..	146 153	X
3219205	Wood pallets and pallet containers, wood and metal combination	2004..	3 204 634	3
		2003..	2 978 296	3
		2002..	3 034 275	X
3219207	Other wood container parts and wood containers	2004..	630 122	7
		2003..	563 945	5
		2002..	613 272	X
321920W	Wood container and pallet manufacturing, nsk, total	2004..	792 427	14
		2003..	668 539	6
		2002..	684 955	X
321991	Manufactured home (mobile home) manufacturing	2004..	6 253 479	1
		2003..	5 873 493	1
		2002..	6 632 008	X
3219911	Manufactured homes (mobile homes)	2004..	5 671 507	1
		2003..	5 341 003	1
		2002..	6 122 376	X
3219915	Nonresidential mobile buildings	2004..	363 091	7
		2003..	338 532	2
		2002..	348 551	X
321991W	Manufactured home (mobile home) manufacturing, nsk, total	2004..	218 881	5
		2003..	193 958	1
		2002..	161 081	X
321992	Prefabricated wood building manufacturing	2004..	4 122 039	3
		2003..	3 620 837	4
		2002..	3 578 308	X
3219921	Components for prefabricated stationary wood buildings (not sold as complete units)	2004..	745 492	5
		2003..	621 714	6
		2002..	423 675	X
3219923	Precut packages for prefabricated stationary wood buildings (complete units)	2004..	770 460	3
		2003..	614 493	9
		2002..	668 504	X
3219925	Prefabricated stationary wood buildings shipped in panel form (complete units)	2004..	889 190	3
		2003..	832 584	4
		2002..	724 428	X
3219927	Prefabricated stationary wood buildings shipped in three-dimensional assemblies	2004..	1 256 138	8
		2003..	1 087 854	13
		2002..	1 293 760	X
321992W	Prefabricated wood building manufacturing, nsk, total	2004..	460 758	16
		2003..	464 193	7
		2002..	467 941	X
321999	All other miscellaneous wood product manufacturing	2004..	4 949 461	3
		2003..	4 374 735	3
		2002..	4 168 209	X
3219990	All other miscellaneous wood product manufacturing	2004..	4 949 461	3
		2003..	4 374 735	3
		2002..	4 168 209	X
322110	Pulp mills	2004..	5 449 479	1
		2003..	5 218 058	1
		2002..	5 245 723	X
3221101	Special alpha and dissolving woodpulp (sulfite and sulfate for chemical conversion, papermaking, and other uses)	2004..	1 035 110	1
		2003..	924 180	1
		2002..	895 538	X
3221103	Sulfate woodpulp, including soda	2004..	3 639 609	1
		2003..	3 596 004	1
		2002..	3 693 501	X
3221105	Sulfite and other woodpulp	2004..	173 927	1
		2003..	179 964	1
		2002..	169 371	X
3221107	All other miscellaneous pulp, other than wood, and pulp mill byproducts	2004..	599 168	1
		2003..	515 015	6
		2002..	484 116	X
322110W	Pulp mills, nsk, total	2004..	A	A
		2003..	2 896	35
		2002..	3 197	X
322121	Paper (except newsprint) mills	2004..	40 569 586	1
		2003..	39 811 494	1
		2002..	40 651 847	X
3221211	Clay-coated printing and converting paper	2004..	7 331 204	1
		2003..	7 270 369	1
		2002..	7 693 273	X
3221213	Uncoated freesheet paper (containing not more than 10 percent mechanical fiber)	2004..	9 907 789	1
		2003..	9 491 275	1
		2002..	10 095 840	X

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Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
322121	Paper (except newsprint) mills—Con.			
3221215	Bleached bristols (weight more than 150 g per sq meter), excluding cotton fiber index and bogus	2004..	1 312 092	1
		2003..	1 259 394	1
		2002..	1 186 783	X
3221217	Cotton fiber paper (containing 25 percent or more cotton or similar fibers) and thin paper	2004..	D	S
		2003..	D	S
		2002..	533 844	X
3221219	Unbleached kraft (not less than 80 percent) packaging and industrial converting paper	2004..	799 004	5
		2003..	917 225	1
		2002..	954 175	X
322121A	Packaging and industrial converting paper, except unbleached kraft	2004..	810 061	5
		2003..	809 283	7
		2002..	876 648	X
322121C	Special industrial paper, except specialty packaging, including absorbent, battery separator, electrical papers, etc.	2004..	1 575 310	4
		2003..	1 798 593	4
		2002..	1 692 695	X
322121E	Construction paper	2004..	206 762	7
		2003..	239 380	7
		2002..	D	X
322121G	Tissue paper and other machine-creped paper	2004..	3 470 027	3
		2003..	2 513 156	3
		2002..	2 036 448	X
322121K	Disposable diapers and similar disposable products, made in paper mills	2004..	D	S
		2003..	D	S
		2002..	D	X
322121N	Sanitary tissue paper products, made in paper mills	2004..	11 463 401	1
		2003..	12 067 739	1
		2002..	12 560 475	X
322121W	Paper (except newsprint) mills, nsk, total	2004..	40 079	4
		2003..	30 223	82
		2002..	31 293	X
322122	Newsprint mills	2004..	3 404 212	1
		2003..	3 023 347	1
		2002..	3 419 229	X
3221221	Newsprint	2004..	2 274 107	1
		2003..	1 991 305	1
		2002..	2 533 179	X
3221223	Uncoated ground-wood paper (containing more than 10 percent mechanical fiber)	2004..	1 128 020	1
		2003..	1 029 964	1
		2002..	883 787	X
322122W	Newsprint mills, nsk, total	2004..	2 085	49
		2003..	2 078	1
		2002..	2 263	X
322130	Paperboard mills	2004..	19 943 875	1
		2003..	19 276 055	1
		2002..	19 762 669	X
3221301	Unbleached kraft packaging and industrial converting paperboard (80 percent or more virgin woodpulp)	2004..	8 073 049	1
		2003..	7 797 324	2
		2002..	8 075 890	X
3221303	Bleached packaging and industrial converting paperboard (80 percent or more virgin bleached woodpulp)	2004..	4 310 024	1
		2003..	4 163 204	1
		2002..	4 234 184	X
3221305	Semichemical paperboard, including corrugating medium (75 percent or more virgin woodpulp)	2004..	1 183 726	1
		2003..	1 170 123	1
		2002..	1 049 286	X
3221307	Recycled paperboard	2004..	6 335 951	1
		2003..	6 108 676	1
		2002..	6 362 711	X
3221309	Wet machine board, including binders' board and shoe board	2004..	33 842	1
		2003..	26 288	28
		2002..	28 486	X
322130W	Paperboard mills, nsk, total	2004..	7 282	37
		2003..	10 441	21
		2002..	12 112	X
322211	Corrugated and solid fiber box manufacturing	2004..	28 885 106	1
		2003..	27 676 709	2
		2002..	27 900 717	X
3222110	Corrugated and solid fiber boxes, including pallets	2004..	28 885 106	1
		2003..	27 676 709	2
		2002..	27 900 717	X
322212	Folding paperboard box manufacturing	2004..	8 310 569	1
		2003..	8 205 172	1
		2002..	8 204 074	X
3222120	Folding paperboard boxes, packaging, and packaging components	2004..	8 310 569	1
		2003..	8 205 172	1
		2002..	8 204 074	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
322213	Setup paperboard box manufacturing	2004..	563 496	6
		2003..	630 637	8
		2002..	746 051	X
3222130	Setup (rigid) paperboard boxes	2004..	563 496	6
		2003..	630 637	8
		2002..	746 051	X
322214	Fiber can, tube, drum, and similar products manufacturing	2004..	2 075 556	2
		2003..	2 194 239	4
		2002..	1 947 307	X
3222141	Paperboard fiber drums with ends of any material	2004..	357 416	3
		2003..	363 229	7
		2002..	352 992	X
3222143	Fiber cans, tubes, and similar fiber products	2004..	1 598 482	2
		2003..	1 711 630	5
		2002..	1 529 199	X
322214W	Fiber can, tube, drum, and similar products manufacturing, nsk, total	2004..	119 659	2
		2003..	119 380	3
		2002..	65 116	X
322215	Nonfolding sanitary food container manufacturing	2004..	2 981 265	4
		2003..	2 969 945	1
		2002..	2 973 261	X
3222151	Milk and milk-type paperboard cartons, including juice, beverage, and other products	2004..	692 047	6
		2003..	753 613	1
		2002..	735 001	X
3222153	Cups and liquid-tight paper and paperboard containers	2004..	1 479 813	3
		2003..	1 411 115	1
		2002..	1 428 315	X
3222155	Other sanitary paper and paperboard food containers, boards, and trays, except folding	2004..	805 823	1
		2003..	787 119	1
		2002..	754 327	X
322215W	Nonfolding sanitary food container manufacturing, nsk, total	2004..	A	A
		2003..	18 098	4
		2002..	55 618	X
322221	Coated and laminated packaging paper and plastics film manufacturing	2004..	1 436 769	3
		2003..	1 517 052	4
		2002..	1 314 690	X
3222211	Single-web paper, rolls and sheets, including waxed, for flexible packaging uses	2004..	865 437	5
		2003..	952 958	7
		2002..	776 580	X
3222213	Multiweb laminated rolls and sheets, except foil, for flexible packaging uses	2004..	472 770	6
		2003..	475 238	3
		2002..	426 192	X
322221W	Coated and laminated packaging paper and plastics film manufacturing, nsk, total	2004..	98 562	6
		2003..	88 857	17
		2002..	111 918	X
322222	Coated and laminated paper manufacturing	2004..	11 268 019	2
		2003..	10 814 150	1
		2002..	10 912 465	X
3222221	Printing paper, coated at establishments other than where paper was produced	2004..	548 697	8
		2003..	465 840	2
		2002..	463 450	X
3222223	Gummed products	2004..	360 882	6
		2003..	357 658	2
		2002..	275 735	X
3222225	Pressure-sensitive products	2004..	7 024 906	1
		2003..	6 612 165	1
		2002..	6 780 297	X
3222226	Wallcoverings	2004..	398 525	11
		2003..	335 827	1
		2002..	342 359	X
322222A	Gift wrap paper	2004..	340 353	1
		2003..	452 451	3
		2002..	419 359	X
3222228	Converted foil for nonpackaging applications	2004..	465 522	5
		2003..	495 572	5
		2002..	555 090	X
3222229	Other coated and processed papers, except for packaging uses	2004..	1 700 976	5
		2003..	1 485 345	1
		2002..	1 593 257	X
322222W	Coated and laminated paper manufacturing, nsk, total	2004..	428 158	32
		2003..	609 290	9
		2002..	482 918	X
322223	Plastics, foil, and coated paper bag manufacturing	2004..	559 549	6
		2003..	572 506	4
		2002..	610 501	X
3222231	Specialty bags, pouches, and liners, coated and single-web paper	2004..	169 850	4
		2003..	144 204	13
		2002..	164 361	X
3222233	Specialty bags, pouches, and liners, multiweb laminations and foil, except film-film	2004..	374 606	9
		2003..	406 422	3
		2002..	426 318	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
322223	Plastics, foil, and coated paper bag manufacturing—Con.		
322223W	Plastics, foil, and coated paper bag manufacturing, nsk, total	2004.. 15 093	36
		2003.. 21 880	2
		2002.. 19 822	X
322224	Uncoated paper and multiwall bag manufacturing	2004.. 2 180 373	3
		2003.. 2 075 346	1
		2002.. 2 097 491	X
3222241	Uncoated single-web paper grocers' bags and sacks and variety and shopping bags	2004.. 722 786	5
		2003.. 783 408	2
		2002.. 790 978	X
3222243	Shipping sacks and multiwall bags, all materials, except textiles	2004.. 1 401 931	4
		2003.. 1 249 586	1
		2002.. 1 274 327	X
322224W	Uncoated paper and multiwall bag manufacturing, nsk, total	2004.. 55 655	35
		2003.. 42 352	10
		2002.. 32 186	X
322225	Laminated aluminum foil manufacturing for flexible packaging uses	2004.. 1 368 613	2
		2003.. 1 545 950	1
		2002.. 1 459 949	X
3222250	Laminated aluminum foil rolls and sheets for flexible packaging uses (converting and printing or converting only)	2004.. 1 368 613	2
		2003.. 1 545 950	1
		2002.. 1 459 949	X
322226	Surface-coated paperboard manufacturing	2004.. 799 496	4
		2003.. 881 333	6
		2002.. 873 155	X
3222260	Pasted, lined, laminated, or surface-coated paperboard	2004.. 799 496	4
		2003.. 881 333	6
		2002.. 873 155	X
322231	Die-cut paper and paperboard office supplies manufacturing	2004.. 2 603 133	3
		2003.. 2 623 310	1
		2002.. 2 696 707	X
3222311	Die-cut paper and paperboard office supplies	2004.. 1 046 033	3
		2003.. 1 160 661	1
		2002.. 1 228 115	X
3222313	Paper supplies for business machines and other miscellaneous unprinted paper office supplies	2004.. 1 342 681	4
		2003.. 1 251 069	1
		2002.. 1 183 692	X
322231W	Die-cut paper and paperboard office supplies manufacturing, nsk, total	2004.. 214 420	10
		2003.. 211 579	15
		2002.. 284 900	X
322232	Envelope manufacturing	2004.. 3 226 731	2
		2003.. 3 062 439	2
		2002.. 3 161 180	X
3222320	Envelopes, commercial, all types and materials	2004.. 3 226 731	2
		2003.. 3 062 439	2
		2002.. 3 161 180	X
322233	Stationery, tablet, and related product manufacturing	2004.. 1 285 323	2
		2003.. 1 243 351	5
		2002.. 1 521 514	X
3222331	Stationery	2004.. 389 080	4
		2003.. 373 604	12
		2002.. 359 300	X
3222333	Tablets, pads, and related products	2004.. 772 822	4
		2003.. 727 723	7
		2002.. 1 030 707	X
322233W	Stationery, tablet, and related product manufacturing, nsk, total	2004.. 123 422	1
		2003.. 142 024	8
		2002.. 131 507	X
322291	Sanitary paper product manufacturing	2004.. 7 375 321	2
		2003.. 8 154 080	1
		2002.. 8 831 656	X
3222912	Disposable diapers and similar disposable products, made from purchased sanitary paper stock or wadding	2004.. 4 342 874	2
		2003.. 4 655 310	1
		2002.. 4 843 482	X
3222915	Sanitary tissue paper products, made from purchased sanitary paper stock or wadding	2004.. 2 873 301	1
		2003.. 3 352 686	1
		2002.. 3 850 388	X
322291W	Sanitary paper product manufacturing, nsk, total	2004.. 159 146	83
		2003.. 146 084	1
		2002.. 137 786	X
322299	All other converted paper product manufacturing	2004.. 4 220 593	2
		2003.. 4 023 394	2
		2002.. 4 224 657	X
3222991	Molded pulp goods, including egg cartons, florist pots, food trays, etc.	2004.. 481 050	6
		2003.. 378 430	2
		2002.. 390 854	X
3222993	Miscellaneous converted paper and paperboard products	2004.. 3 318 699	2
		2003.. 3 273 872	2
		2002.. 3 349 705	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
322299	All other converted paper product manufacturing—Con.			
322299W	All other converted paper product manufacturing, nsk, total	2004..	420 843	14
		2003..	371 092	11
		2002..	484 098	X
323110	Commercial lithographic printing	2004..	46 032 589	2
		2003..	44 928 922	1
		2002..	46 549 873	X
3231101	Magazine and periodical printing (lithographic), including magazine and comic supplements for Sunday newspapers (excluding printing of newspaper advertising inserts)	2004..	6 296 937	1
		2003..	6 006 690	2
		2002..	6 389 734	X
3231103	Label and wrapper printing (lithographic)	2004..	2 037 290	2
		2003..	1 850 686	8
		2002..	2 130 117	X
3231105	Catalog and directory printing (lithographic)	2004..	4 604 578	3
		2003..	4 293 868	1
		2002..	4 455 550	X
3231107	Financial and legal printing (lithographic)	2004..	2 202 186	2
		2003..	1 972 876	21
		2002..	2 391 181	X
3231109	Advertising printing (lithographic)	2004..	13 875 924	2
		2003..	13 308 658	1
		2002..	13 901 976	X
323110B	Other commercial and general job printing (lithographic)	2004..	8 533 059	2
		2003..	8 536 782	2
		2002..	8 140 107	X
323110W	Commercial lithographic printing, nsk, total	2004..	8 482 616	8
		2003..	8 959 362	3
		2002..	9 141 208	X
323111	Commercial gravure printing	2004..	3 442 511	1
		2003..	3 316 723	1
		2002..	3 338 595	X
3231111	Magazine and periodical printing (gravure), including magazine and comic supplements for Sunday newspapers (excluding printing of newspaper advertising inserts)	2004..	463 292	1
		2003..	518 736	1
		2002..	614 236	X
3231113	Label and wrapper printing (gravure)	2004..	690 493	3
		2003..	671 739	2
		2002..	659 575	X
3231115	Catalog and directory printing (gravure)	2004..	815 702	1
		2003..	755 368	1
		2002..	732 353	X
3231117	Advertising printing (gravure)	2004..	1 141 391	2
		2003..	1 032 671	1
		2002..	956 410	X
3231119	Other commercial and general job printing (gravure)	2004..	158 621	2
		2003..	149 643	10
		2002..	186 683	X
323111W	Commercial gravure printing, nsk, total	2004..	173 012	22
		2003..	188 567	2
		2002..	189 338	X
323112	Commercial flexographic printing	2004..	5 532 606	3
		2003..	5 245 293	1
		2002..	5 189 062	X
3231121	Label and wrapper printing (flexographic)	2004..	4 390 337	3
		2003..	4 133 065	2
		2002..	4 090 515	X
3231123	Other commercial and general job printing (flexographic)	2004..	718 183	5
		2003..	686 577	5
		2002..	657 093	X
323112W	Commercial flexographic printing, nsk, total	2004..	424 086	21
		2003..	425 651	7
		2002..	441 454	X
323113	Commercial screen printing	2004..	6 533 844	4
		2003..	6 303 717	2
		2002..	6 326 049	X
3231132	Screen printed labels	2004..	866 932	9
		2003..	827 538	3
		2002..	788 560	X
3231134	Screen printing on garments, apparel accessories, and other fabric articles, except labels	2004..	2 215 547	3
		2003..	2 083 264	3
		2002..	2 107 716	X
3231136	Screen printing (except on textiles, apparel, apparel accessories, and labels)	2004..	2 081 997	6
		2003..	2 012 867	3
		2002..	2 092 721	X
323113W	Commercial screen printing, nsk, total	2004..	1 369 368	12
		2003..	1 380 048	6
		2002..	1 337 052	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
323114	Quick printing	2004..	3 559 180	3
		2003..	3 771 696	5
		2002..	3 747 244	X
3231140	Quick printing	2004..	3 559 180	3
		2003..	3 771 696	5
		2002..	3 747 244	X
323115	Digital printing	2004..	3 319 035	4
		2003..	3 015 536	2
		2002..	2 897 381	X
3231150	Digital printing	2004..	3 319 035	4
		2003..	3 015 536	2
		2002..	2 897 381	X
323116	Manifold business forms printing	2004..	5 651 129	5
		2003..	6 230 850	2
		2002..	6 713 420	X
3231161	Unit set business forms, loose or bound	2004..	1 087 049	3
		2003..	1 199 731	3
		2002..	1 213 379	X
3231163	Manifold books and pegboard accounting systems	2004..	78 393	4
		2003..	80 703	4
		2002..	94 848	X
3231165	Custom continuous business forms	2004..	1 645 709	2
		2003..	1 691 971	2
		2002..	1 845 865	X
3231167	Stock continuous business forms	2004..	778 383	20
		2003..	713 745	4
		2002..	691 061	X
3231169	Checkbooks (including inserts and refills, but excluding those in continuous form and die-cut)	2004..	1 401 784	7
		2003..	1 382 752	6
		2002..	1 591 050	X
323116W	Manifold business forms printing, nsk, total	2004..	659 811	29
		2003..	1 161 948	6
		2002..	1 277 217	X
323117	Books printing	2004..	4 763 580	1
		2003..	4 653 358	1
		2002..	4 780 789	X
3231171	Textbook printing and binding	2004..	1 204 273	2
		2003..	1 154 413	1
		2002..	1 152 697	X
3231173	Technical, scientific, and professional book printing and binding	2004..	424 158	4
		2003..	493 969	6
		2002..	552 767	X
3231175	Religious book printing and binding	2004..	308 478	3
		2003..	330 847	3
		2002..	327 717	X
3231177	General book (trade, etc.) printing and binding	2004..	1 384 569	2
		2003..	1 249 123	1
		2002..	1 237 810	X
3231179	Other book printing and binding	2004..	721 424	3
		2003..	800 799	2
		2002..	859 520	X
323117A	Books, printing only, not bound	2004..	43 426	8
		2003..	44 854	7
		2002..	62 825	X
323117C	Pamphlets, printing only or printing and binding (excluding advertising pamphlets)	2004..	77 234	8
		2003..	92 086	16
		2002..	103 659	X
323117W	Books printing, nsk, total	2004..	600 018	6
		2003..	487 267	3
		2002..	483 794	X
323118	Blankbook, looseleaf binders, and devices manufacturing	2004..	1 415 774	5
		2003..	1 585 977	5
		2002..	1 505 329	X
3231181	Blankbook making, except checkbooks	2004..	383 235	11
		2003..	388 009	11
		2002..	380 592	X
3231183	Looseleaf binders, devices, and forms	2004..	866 994	3
		2003..	1 053 354	5
		2002..	937 615	X
323118W	Blankbook, looseleaf binders and devices manufacturing, nsk, total	2004..	165 545	35
		2003..	144 614	24
		2002..	187 122	X
323119	Other commercial printing	2004..	2 500 214	7
		2003..	2 658 962	8
		2002..	2 565 978	X
3231193	Label and wrapper printing (letterpress)	2004..	346 155	16
		2003..	335 712	2
		2002..	343 919	X
3231199	Advertising printing (letterpress)	2004..	432 990	8
		2003..	338 947	4
		2002..	320 334	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
323119	Other commercial printing—Con.			
323119C	Other commercial and general job printing (letterpress)	2004..	531 131	8
		2003..	641 345	10
		2002..	564 214	X
323119E	Engraving (printing)	2004..	120 663	6
		2003..	160 672	2
		2002..	141 208	X
323119J	All other commercial and general job printing (excluding lithographic (offset), gravure, flexographic, screen, quick, digital, letterpress, and engraving printing)	2004..	67 807	15
		2003..	106 140	3
		2002..	100 394	X
323119W	Other commercial printing, nsk, total	2004..	1 001 470	15
		2003..	1 076 147	19
		2002..	1 095 909	X
323121	Tradebinding and related work	2004..	2 438 684	4
		2003..	2 435 300	5
		2002..	2 325 232	X
3231211	Edition, library, and other hardcover binding of books (printed elsewhere)	2004..	327 267	8
		2003..	348 473	3
		2002..	343 172	X
3231215	Softcover, pamphlet, sample book, and other binding of books and materials printed elsewhere	2004..	698 839	7
		2003..	636 370	4
		2002..	670 910	X
3231217	Miscellaneous binding and postpress work, including collating, perforating, folding, gluing, die-cutting, gold or foil stamping, etc.	2004..	1 042 627	3
		2003..	1 049 654	12
		2002..	920 164	X
323121W	Tradebinding and related work, nsk, total	2004..	369 951	18
		2003..	400 803	8
		2002..	390 986	X
323122	Prepress services	2004..	3 735 943	3
		2003..	3 756 147	3
		2002..	4 055 878	X
3231221	Prepress services, except platemaking (including film, assembled flats, color separations, typesetting, imagesetting, etc.)	2004..	2 405 040	2
		2003..	2 328 760	4
		2002..	2 539 331	X
3231223	Printing plates, prepared for printing (excluding blank plates)	2004..	794 785	4
		2003..	759 213	6
		2002..	843 454	X
323122W	Prepress services, nsk, total	2004..	536 117	14
		2003..	668 174	5
		2002..	673 093	X
324110	Petroleum refineries	2004..	278 869 706	1
		2003..	216 763 989	1
		2002..	186 760 748	X
3241101	Gasoline, including finished base stocks and blending agents	2004..	143 454 389	1
		2003..	111 482 533	1
		2002..	96 063 543	X
3241104	Jet fuel	2004..	23 393 131	1
		2003..	18 361 373	1
		2002..	16 730 551	X
3241107	Kerosene, excluding jet fuel	2004..	1 584 454	1
		2003..	1 165 446	1
		2002..	749 518	X
324110A	Light fuel oils	2004..	60 123 041	1
		2003..	44 809 694	1
		2002..	38 714 479	X
324110D	Heavy fuel oils, including grades No. 5, 6, heavy diesel-type, heavy gas-enrichment oils, etc.	2004..	8 558 861	6
		2003..	7 666 062	1
		2002..	6 132 764	X
324110G	Petroleum lubricating oils and greases, made in a refinery	2004..	2 034 397	3
		2003..	1 478 311	1
		2002..	1 332 180	X
324110J	Unfinished oils and lubricating oil base stock	2004..	12 014 770	6
		2003..	9 468 784	1
		2002..	8 291 328	X
324110M	Asphalt	2004..	4 856 434	1
		2003..	5 065 616	1
		2002..	4 304 082	X
324110P	Liquefied refinery gases (aliphatics), made in a refinery	2004..	10 501 869	1
		2003..	8 212 915	1
		2002..	6 548 475	X
324110T	Other finished petroleum products, including waxes, made in a refinery ³	2004..	12 279 685	1
		2003..	8 957 541	2
		2002..	7 695 467	X
324110W	Petroleum refineries, nsk, total	2004..	A	A
		2003..	95 713	1
		2002..	198 361	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
324121	Asphalt paving mixture and block manufacturing	2004..	7 672 672	5
		2003..	7 498 685	2
		2002..	7 089 710	X
3241210	Asphalt paving mixtures and blocks	2004..	7 672 672	5
		2003..	7 498 685	2
		2002..	7 089 710	X
324122	Asphalt shingle and coating materials manufacturing	2004..	7 158 986	1
		2003..	6 254 215	1
		2002..	5 677 126	X
3241221	Roofing asphalts and pitches, coatings, and cements	2004..	973 706	6
		2003..	1 074 207	1
		2002..	920 825	X
3241222	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use	2004..	5 915 256	1
		2003..	5 018 511	1
		2002..	4 607 855	X
324122W	Asphalt shingle and coating materials manufacturing, nsk, total	2004..	270 023	4
		2003..	161 497	4
		2002..	148 446	X
324191	Petroleum lubricating oil and grease manufacturing	2004..	7 524 334	2
		2003..	7 313 631	3
		2002..	6 425 890	X
3241910	Petroleum lubricating oils and greases, made from refined petroleum	2004..	7 524 334	2
		2003..	7 313 631	3
		2002..	6 425 890	X
324199	All other petroleum and coal products manufacturing	2004..	1 871 173	3
		2003..	2 002 294	4
		2002..	1 914 227	X
3241991	Coke oven and blast furnace products, made in coke oven establishments	2004..	656 335	1
		2003..	577 805	1
		2002..	541 361	X
3241992	All other petroleum and coal products (excluding coke oven products), made in coke oven establishments	2004..	1 205 665	3
		2003..	1 370 367	5
		2002..	1 306 132	X
324199W	All other petroleum and coal products manufacturing, nsk, total	2004..	A	A
		2003..	54 122	5
		2002..	66 734	X
325110	Petrochemical manufacturing	2004..	31 847 384	1
		2003..	21 166 424	1
		2002..	16 105 958	X
3251101	Aromatics (benzene, toluene, xylene, etc.), made in petrochemical plants ⁴	2004..	15 859 857	1
		2003..	10 508 770	1
		2002..	7 803 306	X
3251104	Liquefied refinery gases (aliphatics), made in petrochemical plants	2004..	15 965 471	1
		2003..	10 639 290	1
		2002..	8 163 068	X
325110W	Petrochemical manufacturing nsk, total	2004..	22 057	1
		2003..	18 363	1
		2002..	139 584	X
325120	Industrial gas manufacturing	2004..	6 382 766	2
		2003..	6 393 459	1
		2002..	5 849 066	X
3251201	Acetylene ²	2004..	45 897	15
		2003..	64 270	6
		2002..	79 811	X
3251204	Carbon dioxide ²	2004..	501 530	6
		2003..	473 683	5
		2002..	431 954	X
3251207	Nitrogen ²	2004..	1 134 919	3
		2003..	1 214 841	1
		2002..	1 181 877	X
325120A	Oxygen ²	2004..	825 967	5
		2003..	829 518	2
		2002..	800 677	X
325120C	Argon and hydrogen ²	2004..	1 948 039	2
		2003..	1 913 589	1
		2002..	1 633 768	X
325120G	Fluorocarbon gases	2004..	815 188	1
		2003..	759 820	1
		2002..	694 756	X
325120U	Other industrial gases	2004..	775 894	4
		2003..	661 719	10
		2002..	640 618	X
325120W	Industrial gas manufacturing, nsk, total	2004..	335 332	20
		2003..	476 018	7
		2002..	385 605	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325131	Inorganic dye and pigment manufacturing	2004..	4 184 533	1
		2003..	4 224 535	1
		2002..	3 727 849	X
3251311	Titanium dioxide, composite and pure ²	2004..	2 968 179	1
		2003..	2 997 799	1
		2002..	2 551 674	X
3251314	Other white opaque pigments	2004..	182 334	5
		2003..	178 576	15
		2002..	185 383	X
3251317	Chrome colors and other inorganic pigments	2004..	979 342	1
		2003..	987 512	2
		2002..	925 121	X
325131W	Inorganic dye and pigment manufacturing, nsk, total	2004..	54 678	5
		2003..	60 649	6
		2002..	65 671	X
325132	Synthetic organic dye and pigment manufacturing	2004..	2 187 672	2
		2003..	2 308 408	2
		2002..	2 514 132	X
3251321	Synthetic organic dyes	2004..	831 468	6
		2003..	901 831	2
		2002..	992 698	X
3251324	Synthetic organic pigments, lakes, and toners	2004..	1 293 693	2
		2003..	1 346 091	3
		2002..	1 447 870	X
325132W	Synthetic organic dye and pigment manufacturing, nsk, total	2004..	62 511	11
		2003..	60 485	50
		2002..	73 564	X
325181	Alkalies and chlorine manufacturing	2004..	4 053 755	1
		2003..	3 677 444	1
		2002..	2 911 680	X
3251811	Chlorine, compressed or liquefied ²	2004..	1 693 305	1
		2003..	1 429 177	1
		2002..	979 384	X
3251814	Sodium hydroxide (caustic soda) ²	2004..	1 819 609	1
		2003..	1 717 060	1
		2002..	1 398 397	X
3251817	Other alkalies	2004..	518 966	5
		2003..	494 151	1
		2002..	507 751	X
325181W	Alkalies and chlorine manufacturing, nsk, total	2004..	21 875	4
		2003..	37 056	1
		2002..	26 148	X
325182	Carbon black manufacturing	2004..	1 202 392	1
		2003..	1 153 932	1
		2002..	1 056 719	X
3251820	Carbon black, all processes	2004..	1 202 392	1
		2003..	1 153 932	1
		2002..	1 056 719	X
325188	All other basic inorganic chemical manufacturing	2004..	13 815 792	1
		2003..	13 653 687	1
		2002..	14 041 480	X
3251881	Sulfuric acid ²	2004..	691 249	4
		2003..	639 610	4
		2002..	672 824	X
3251884	Inorganic acids, excluding nitric, sulfuric and phosphoric ²	2004..	828 896	3
		2003..	699 383	10
		2002..	699 305	X
3251887	Other inorganic aluminum compounds ²	2004..	1 329 737	5
		2003..	1 255 214	2
		2002..	1 320 173	X
325188A	Potassium and sodium compounds, excluding bleaches, alkalies, and alum ²	2004..	1 776 446	2
		2003..	1 639 314	3
		2002..	1 749 183	X
325188D	Chemical catalytic preparations, excluding silica gel catalyst	2004..	2 255 905	1
		2003..	2 383 291	1
		2002..	2 188 749	X
325188H	All other inorganic chemicals	2004..	6 312 003	2
		2003..	6 264 931	3
		2002..	6 557 095	X
325188W	All other basic inorganic chemical manufacturing, nsk, total	2004..	621 555	16
		2003..	771 945	5
		2002..	854 151	X
325191	Gum and wood chemical manufacturing	2004..	1 110 663	3
		2003..	1 078 239	2
		2002..	1 007 886	X
3251910	Gum and wood chemicals, including wood distillation products	2004..	1 110 663	3
		2003..	1 078 239	2
		2002..	1 007 886	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325192	Cyclic crude and intermediate manufacturing	2004..	7 148 375	1
		2003..	5 740 702	3
		2002..	5 854 781	X
3251921	Cyclic (coal tar) intermediates	2004..	6 796 633	1
		2003..	5 404 731	3
		2002..	5 211 781	X
3251924	Tar, tar crudes, and tar pitches	2004..	332 117	2
		2003..	326 776	2
		2002..	632 447	X
325192W	Cyclic crude and intermediate manufacturing, nsk, total	2004..	19 625	31
		2003..	9 195	1
		2002..	10 553	X
325193	Ethyl alcohol manufacturing	2004..	4 552 730	2
		2003..	3 618 397	4
		2002..	3 037 125	X
3251930	Ethyl alcohol	2004..	4 552 730	2
		2003..	3 618 397	4
		2002..	3 037 125	X
325199	All other basic organic chemical manufacturing	2004..	57 296 018	1
		2003..	50 924 377	2
		2002..	46 751 300	X
3251991	Fatty acids	2004..	1 819 118	1
		2003..	1 728 447	2
		2002..	1 706 802	X
3251994	Bulk pesticides and other bulk synthetic organic agricultural chemicals, excluding preparations	2004..	1 404 743	2
		2003..	1 471 227	2
		2002..	1 198 701	X
3251997	Industrial organic flavor oil mixtures and blends	2004..	392 073	4
		2003..	378 253	4
		2002..	422 239	X
325199A	Reagent and high-purity grades of organic chemicals refined from purchased technical grades	2004..	653 232	5
		2003..	668 427	3
		2002..	552 346	X
325199E	Natural organic chemicals	2004..	1 559 668	4
		2003..	1 504 688	6
		2002..	1 429 633	X
325199G	Synthetic organic alcohols, unmixed	2004..	2 211 580	1
		2003..	1 947 933	3
		2002..	1 816 454	X
325199H	Synthetic organic chemicals for use as flavor and perfume materials	2004..	1 235 791	6
		2003..	1 327 574	2
		2002..	1 251 124	X
325199K	Synthetic organic rubber-processing chemicals	2004..	357 148	4
		2003..	362 066	3
		2002..	401 508	X
325199N	Synthetic organic plasticizers	2004..	549 389	3
		2003..	542 182	2
		2002..	589 162	X
325199R	Other synthetic organic chemicals	2004..	9 128 712	1
		2003..	8 249 629	10
		2002..	7 054 725	X
325199T	Miscellaneous end use chemicals and chemical products, excluding urea	2004..	17 530 511	1
		2003..	16 034 721	1
		2002..	15 066 283	X
325199V	Miscellaneous cyclic and acyclic chemicals and chemical products, excluding fatty acid esters	2004..	19 403 750	1
		2003..	15 850 090	1
		2002..	14 221 652	X
325199W	All other basic organic chemical manufacturing, nsk, total	2004..	1 050 303	6
		2003..	859 142	15
		2002..	1 040 671	X
325211	Plastics material and resin manufacturing	2004..	57 985 551	1
		2003..	49 824 708	1
		2002..	46 080 950	X
3252111	Thermoplastic resins and plastics materials	2004..	47 499 859	1
		2003..	40 916 442	1
		2002..	37 614 483	X
3252114	Thermosetting resins and plastics materials	2004..	9 897 400	2
		2003..	8 014 343	2
		2002..	7 881 047	X
325211W	Plastics material and resin manufacturing, nsk, total	2004..	588 292	53
		2003..	893 923	3
		2002..	585 420	X
325212	Synthetic rubber manufacturing	2004..	7 256 309	1
		2003..	6 254 826	1
		2002..	5 806 042	X
3252120	Synthetic rubber (vulcanizable elastomers)	2004..	7 256 309	1
		2003..	6 254 826	1
		2002..	5 806 042	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325221	Cellulosic organic fiber manufacturing	2004.. 1 082 381 2003.. 1 009 042 2002.. 969 543	1 1 X
3252210	Rayon, acetate, and lyocell manufactured fibers	2004.. 1 082 381 2003.. 1 009 042 2002.. 969 543	1 1 X
325222	Noncellulosic organic fiber manufacturing	2004.. 6 488 839 2003.. 7 426 470 2002.. 7 280 934	2 1 X
3252221	Nylon and other polyamide manufactured fibers	2004.. 2 381 782 2003.. 2 866 954 2002.. 2 644 689	5 1 X
3252224	Polyolefin manufactured fibers	2004.. 425 162 2003.. 426 685 2002.. 420 089	1 3 X
3252227	Polyester manufactured fibers	2004.. 1 883 420 2003.. 1 779 999 2002.. 1 811 506	1 1 X
325222A	Other manufactured noncellulosic fibers (excluding glass, carbon, and graphite)	2004.. 473 236 2003.. 869 628 2002.. 865 283	11 1 X
325222D	Producer-textured manufactured noncellulosic fibers	2004.. 1 263 997 2003.. 1 447 125 2002.. 1 492 871	1 2 X
325222W	Noncellulosic organic fiber manufacturing, nsk, total	2004.. 61 243 2003.. 36 078 2002.. 46 496	4 1 X
325311	Nitrogenous fertilizer manufacturing	2004.. 4 617 673 2003.. 4 287 007 2002.. 3 565 990	1 1 X
3253111	Synthetic ammonia, nitric acid, and ammonium compounds ²	2004.. 3 462 460 2003.. 3 324 325 2002.. 2 594 258	1 2 X
3253114	Urea ²	2004.. 904 728 2003.. 709 226 2002.. 759 383	1 4 X
3253117	Fertilizer materials of organic origin, including activated sewage sludge, processed tankage, and other natural fertilizer materials	2004.. 105 013 2003.. 100 793 2002.. 87 012	8 6 X
325311W	Nitrogenous fertilizer manufacturing, nsk, total	2004.. 145 471 2003.. 152 663 2002.. 125 337	3 12 X
325312	Phosphatic fertilizer manufacturing	2004.. 4 857 859 2003.. 4 194 338 2002.. 3 808 778	1 1 X
3253121	Phosphoric acid ²	2004.. 1 054 775 2003.. 1 178 506 2002.. 1 138 139	1 2 X
3253124	Superphosphates and other phosphatic fertilizer materials ²	2004.. 3 553 718 2003.. 2 744 277 2002.. 2 441 130	2 1 X
3253127	Mixed fertilizers, made in plants which manufacture fertilizer materials	2004.. 228 251 2003.. 217 944 2002.. 219 998	8 1 X
325312W	Phosphatic fertilizer manufacturing, nsk, total	2004.. 21 116 2003.. 53 611 2002.. 9 511	17 42 X
325314	Fertilizer (mixing only) manufacturing	2004.. 3 161 814 2003.. 2 919 039 2002.. 2 777 359	2 2 X
3253140	Mixed fertilizers, mixing only	2004.. 3 161 814 2003.. 2 919 039 2002.. 2 777 359	2 2 X
325320	Pesticide and other agricultural chemical manufacturing	2004.. 11 539 384 2003.. 10 176 248 2002.. 9 590 702	1 1 X
3253201	Agricultural and commercial pesticides and chemicals	2004.. 7 624 212 2003.. 6 672 867 2002.. 6 262 894	1 1 X
3253204	Lawn and garden pesticides and chemicals	2004.. 495 226 2003.. 433 623 2002.. 345 477	2 7 X
3253207	Household and institutional pesticides and chemicals	2004.. 2 724 298 2003.. 2 719 479 2002.. 2 502 204	3 4 X
325320W	Pesticide and other agricultural chemical manufacturing, nsk, total	2004.. 695 648 2003.. 350 279 2002.. 480 127	1 3 X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325411	Medicinal and botanical manufacturing	2004..	10 957 686	1
		2003..	11 305 085	1
		2002..	12 724 841	X
3254111	Synthetic organic medicinal chemicals, in bulk ²	2004..	7 620 065	1
		2003..	8 367 067	2
		2002..	9 700 437	X
3254114	Medicinals and botanicals, all other medicinal chemicals and botanical products, in bulk	2004..	3 119 490	3
		2003..	2 729 393	1
		2002..	2 844 019	X
325411W	Medicinal and botanical manufacturing, nsk, total	2004..	218 132	3
		2003..	208 626	1
		2002..	180 385	X
325412	Pharmaceutical preparation manufacturing	2004..	118 344 934	1
		2003..	112 112 714	2
		2002..	103 769 869	X
3254121	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use ²	2004..	22 306 391	1
		2003..	21 929 901	10
		2002..	17 195 474	X
3254124	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use ²	2004..	24 128 111	2
		2003..	24 512 916	5
		2002..	24 792 971	X
3254127	Pharmaceutical preparations, acting on the cardiovascular system, for human use ²	2004..	10 554 989	1
		2003..	9 576 647	6
		2002..	10 516 110	X
325412A	Pharmaceutical preparations, acting on the respiratory system, for human use ²	2004..	15 213 408	1
		2003..	14 148 619	1
		2002..	12 531 993	X
325412D	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use ²	2004..	16 253 223	1
		2003..	14 700 310	1
		2002..	13 077 241	X
325412G	Pharmaceutical preparations, acting on skin, for human use ²	2004..	3 332 564	5
		2003..	2 915 296	1
		2002..	2 723 454	X
325412L	Pharmaceutical preparations, vitamin, nutrient, and hematinic preparations, for human use ²	2004..	7 942 288	4
		2003..	7 744 042	2
		2002..	6 353 888	X
325412P	Pharmaceutical preparations, affecting parasitic and ineffective diseases, for human use (excluding diagnostics) ²	2004..	12 470 064	1
		2003..	10 788 151	3
		2002..	11 329 361	X
325412T	Pharmaceutical preparations for veterinary use (including medicinal premixes and medicated pet care products; excluding pet flea and tick products), excluding diagnostics ²	2004..	2 465 263	4
		2003..	2 651 358	2
		2002..	2 536 159	X
325412V	In vivo diagnostic substances	2004..	2 391 018	3
		2003..	1 971 298	3
		2002..	1 737 541	X
325412W	Pharmaceutical preparation manufacturing, nsk, total	2004..	1 287 613	20
		2003..	1 174 175	3
		2002..	975 677	X
325413	In-vitro diagnostic substances manufacturing	2004..	8 935 884	2
		2003..	8 411 210	3
		2002..	9 164 665	X
3254130	In-vitro diagnostic substances	2004..	8 935 884	2
		2003..	8 411 210	3
		2002..	9 164 665	X
325414	Biological product (except diagnostic) manufacturing	2004..	10 477 794	4
		2003..	9 282 372	1
		2002..	8 354 507	X
3254141	Blood and blood derivatives, for human use	2004..	1 599 137	2
		2003..	1 603 855	1
		2002..	1 587 099	X
3254144	Vaccines, toxoids, and antigens, excluding allergens, for human use	2004..	3 042 027	1
		2003..	2 739 030	1
		2002..	2 485 287	X
3254147	Other biologics, excluding diagnostic, for human use	2004..	3 463 890	12
		2003..	2 565 776	1
		2002..	2 165 164	X
325414A	Biological products, excluding diagnostic, for veterinary, industrial, and all other miscellaneous uses	2004..	2 172 503	5
		2003..	2 032 966	2
		2002..	1 860 241	X
325414W	Biological product (except diagnostic) manufacturing, nsk, total	2004..	200 238	58
		2003..	340 744	7
		2002..	256 716	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325510	Paint and coating manufacturing	2004..	21 532 587	2
		2003..	19 519 102	1
		2002..	19 246 106	X
3255101	Architectural coatings ²	2004..	9 230 517	4
		2003..	7 806 786	1
		2002..	7 760 354	X
3255104	Product finishes for original equipment manufacturers (OEM), excluding marine coatings. ²	2004..	5 898 476	3
		2003..	5 580 929	2
		2002..	5 242 583	X
3255107	Special-purpose coatings including all marine coatings, industrial, construction and maintenance coatings, traffic marking paints, etc. ²	2004..	3 812 837	2
		2003..	3 619 996	2
		2002..	3 293 256	X
325510B	Miscellaneous allied paint products, including paint and varnish removers, thinners, pigment dispersions, glazing compounds, etc. ²	2004..	1 306 715	3
		2003..	1 246 204	4
		2002..	1 358 561	X
325510W	Paint and coating manufacturing, nsk, total	2004..	1 284 042	1
		2003..	1 265 187	8
		2002..	1 591 352	X
325520	Adhesive manufacturing	2004..	8 065 616	1
		2003..	7 671 842	3
		2002..	7 390 407	X
3255201	Natural base glues and adhesives	2004..	467 370	4
		2003..	410 894	5
		2002..	276 552	X
3255204	Synthetic resin and rubber adhesives, including all types of bonding and laminating adhesives	2004..	5 004 606	1
		2003..	4 940 099	5
		2002..	4 436 322	X
3255207	Structural sealants (load-bearing)	2004..	631 585	4
		2003..	596 486	6
		2002..	734 810	X
325520A	Nonstructural caulking compounds and sealants	2004..	1 495 861	2
		2003..	1 444 878	3
		2002..	1 482 516	X
325520W	Adhesive manufacturing, nsk, total	2004..	466 194	6
		2003..	279 485	37
		2002..	460 207	X
325611	Soap and other detergent manufacturing	2004..	15 640 619	1
		2003..	15 318 610	2
		2002..	15 719 561	X
3256111	Soaps and detergents, commercial, industrial, and institutional	2004..	6 692 516	1
		2003..	6 769 840	3
		2002..	6 888 897	X
3256114	Household detergents	2004..	3 422 912	1
		2003..	3 237 197	3
		2002..	3 532 162	X
3256117	Soaps, excluding specialty cleaners, household	2004..	2 638 745	6
		2003..	2 375 345	1
		2002..	2 368 672	X
325611A	Glycerin, natural ²	2004..	27 910	20
		2003..	18 051	1
		2002..	D	X
325611D	Toothpaste, including gels and toothpowder	2004..	1 383 693	1
		2003..	1 369 413	1
		2002..	D	X
325611W	Soap and other detergent manufacturing, nsk, total	2004..	1 474 843	1
		2003..	1 548 764	4
		2002..	1 355 806	X
325612	Polish and other sanitation good manufacturing	2004..	8 948 376	1
		2003..	8 643 565	3
		2002..	8 138 248	X
3256121	Household bleaches (chlorine and nonchlorine) ²	2004..	1 124 084	3
		2003..	1 095 765	8
		2002..	963 590	X
3256125	Specialty cleaning and sanitation products	2004..	5 530 479	1
		2003..	5 216 046	4
		2002..	4 884 877	X
3256127	Polishing preparations and related products	2004..	1 585 250	3
		2003..	1 677 661	6
		2002..	1 684 683	X
325612W	Polish and other sanitation good manufacturing, nsk, total	2004..	708 563	1
		2003..	654 093	7
		2002..	605 098	X
325613	Surface active agent manufacturing	2004..	6 945 372	3
		2003..	5 614 157	1
		2002..	6 247 799	X
3256130	Surfactants, finishing agents, and assistants	2004..	6 945 372	3
		2003..	5 614 157	1
		2002..	6 247 799	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325620	Toilet preparation manufacturing	2004..	28 721 809	1
		2003..	27 127 666	1
		2002..	29 697 851	X
3256201	Shaving preparations	2004..	555 955	1
		2003..	614 404	2
		2002..	622 630	X
3256204	Perfumes, toilet waters, and colognes	2004..	2 750 548	1
		2003..	2 944 960	1
		2002..	3 009 050	X
3256207	Hair preparations (including shampoos)	2004..	7 254 001	2
		2003..	5 903 285	2
		2002..	7 188 616	X
325620A	Dentifrices, mouthwashes, gargles, and rinses	2004..	679 527	2
		2003..	1 019 316	2
		2002..	1 256 205	X
325620D	Creams, lotions and oils, excluding shaving, hair, and deodorant	2004..	5 668 464	2
		2003..	5 532 837	1
		2002..	6 134 297	X
325620G	Other cosmetics and toilet preparations	2004..	9 658 377	1
		2003..	9 084 912	1
		2002..	9 392 275	X
325620W	Toilet preparation manufacturing, nsk, total	2004..	2 154 937	4
		2003..	2 027 951	2
		2002..	2 094 778	X
325910	Printing ink manufacturing	2004..	4 044 246	4
		2003..	3 940 047	3
		2002..	4 048 046	X
3259101	Letterpress printing inks	2004..	116 879	4
		2003..	112 447	2
		2002..	117 769	X
3259104	Lithographic and offset inks	2004..	1 869 369	7
		2003..	1 605 884	4
		2002..	1 749 862	X
3259107	Gravure printing inks	2004..	431 213	7
		2003..	515 552	6
		2002..	572 382	X
325910A	Flexographic printing inks	2004..	758 587	9
		2003..	853 022	7
		2002..	843 623	X
325910E	Nonimpact/digital inks	2004..	261 143	8
		2003..	263 543	3
		2002..	247 728	X
325910H	All other printing inks	2004..	345 075	12
		2003..	284 721	3
		2002..	308 773	X
325910W	Printing ink manufacturing, nsk, total	2004..	261 980	6
		2003..	304 878	10
		2002..	207 909	X
325920	Explosives manufacturing	2004..	972 608	3
		2003..	836 177	5
		2002..	896 379	X
3259200	Explosives	2004..	972 608	3
		2003..	836 177	5
		2002..	896 379	X
325991	Custom compounding of purchased resins	2004..	7 749 645	3
		2003..	7 355 466	1
		2002..	7 049 515	X
3259911	Custom compounding of purchased resins and color concentrates	2004..	6 234 407	3
		2003..	5 369 660	2
		2002..	5 729 573	X
3259912	Resins in the form of pellets from spent or post consumer plastics	2004..	521 870	7
		2003..	550 925	5
		2002..	519 828	X
325991W	Custom compounding of purchased resins, nsk, total	2004..	993 368	17
		2003..	1 434 881	3
		2002..	800 114	X
325992	Photographic film, paper, plate, and chemical manufacturing	2004..	7 056 980	2
		2003..	7 416 227	1
		2002..	9 055 136	X
3259921	Photographic sensitized film, plates, paper, and cloth, silver halide type (excluding X-ray)	2004..	3 325 123	3
		2003..	3 525 184	1
		2002..	5 041 491	X
3259923	Sensitized photographic film, plates, paper, and cloth, other than silver halide type (including X-ray)	2004..	1 766 924	1
		2003..	1 890 008	1
		2002..	1 858 098	X
3259925	Prepared photographic chemicals	2004..	1 692 567	2
		2003..	1 747 374	2
		2002..	1 904 095	X
325992W	Photographic film, paper, plate, and chemical manufacturing, nsk, total	2004..	272 367	4
		2003..	253 660	2
		2002..	251 452	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325998	All other miscellaneous chemical product and preparation manufacturing.....	2004..	12 098 988	2
		2003..	12 522 518	1
		2002..	12 454 138	X
3259981	Evaporated salt (bulk, pressed blocks, and packaged), excluding table salt	2004..	686 387	4
		2003..	639 543	2
		2002..	632 214	X
3259984	Matches	2004..	47 927	1
		2003..	48 086	3
		2002..	49 997	X
3259987	Gelatin, excluding ready-to-eat desserts	2004..	578 536	1
		2003..	491 470	1
		2002..	521 432	X
325998A	Water treating compounds	2004..	2 659 054	1
		2003..	2 582 361	1
		2002..	2 532 183	X
325998E	Automotive chemicals	2004..	945 454	2
		2003..	1 041 154	3
		2002..	1 014 802	X
325998J	All other chemical preparations, including essential oils and water-treating compounds ²	2004..	5 998 963	2
		2003..	6 258 068	1
		2002..	6 366 126	X
325998W	All other miscellaneous chemical product and preparation manufacturing, nsk, total	2004..	1 182 667	22
		2003..	1 461 835	3
		2002..	1 337 384	X
326111	Plastics bag manufacturing	2004..	8 278 071	1
		2003..	8 246 558	1
		2002..	7 610 639	X
3261111	Single-web film specialty bags, pouches, and liners	2004..	7 352 510	1
		2003..	7 333 985	1
		2002..	6 729 292	X
3261113	Multiweb film/film combination specialty bags, pouches, and liners	2004..	642 710	2
		2003..	647 035	4
		2002..	621 336	X
326111W	Plastics bag manufacturing, nsk, total	2004..	282 851	8
		2003..	265 538	6
		2002..	260 011	X
326112	Plastics packaging film and sheet (including laminated) manufacturing	2004..	6 383 064	1
		2003..	6 367 453	1
		2002..	6 138 352	X
3261121	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	2004..	3 773 977	1
		2003..	3 754 636	1
		2002..	3 651 730	X
3261123	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses	2004..	2 478 051	1
		2003..	2 532 221	1
		2002..	2 371 604	X
326112W	Plastics packaging film and sheet (including laminated) manufacturing, nsk, total	2004..	131 036	3
		2003..	80 596	13
		2002..	115 018	X
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2004..	14 716 475	1
		2003..	14 260 633	2
		2002..	14 545 238	X
3261130	Unlaminated plastics film and sheet, excluding packaging	2004..	14 716 475	1
		2003..	14 260 633	2
		2002..	14 545 238	X
326121	Unlaminated plastics profile shape manufacturing	2004..	6 169 213	1
		2003..	5 707 610	2
		2002..	5 400 366	X
3261210	Unlaminated plastics profile shapes	2004..	6 169 213	1
		2003..	5 707 610	2
		2002..	5 400 366	X
326122	Plastics pipe and pipe fitting manufacturing	2004..	6 418 259	2
		2003..	5 660 756	1
		2002..	5 329 955	X
3261221	Plastics pipe	2004..	5 425 625	2
		2003..	4 745 381	1
		2002..	4 497 427	X
3261223	Plastics pipe fittings and unions	2004..	677 002	4
		2003..	655 712	6
		2002..	561 107	X
326122W	Plastics pipe and pipe fitting manufacturing, total	2004..	315 632	20
		2003..	259 663	8
		2002..	271 421	X
326130	Laminated plastics plate, sheet (except packaging), and shape manufacturing	2004..	2 303 347	2
		2003..	2 406 680	1
		2002..	2 317 535	X
3261300	Thermosetting plastics laminates (excluding flexible packaging)	2004..	2 303 347	2
		2003..	2 406 680	1
		2002..	2 317 535	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
326140	Polystyrene foam product manufacturing	2004..	6 252 004	3
		2003..	5 756 089	4
		2002..	6 039 046	X
3261401	Transportation polystyrene foam products (including seating, dash, and other interior-exterior components)	2004..	481 979	4
		2003..	477 344	4
		2002..	457 471	X
3261402	Packaging, polystyrene foam products	2004..	1 968 962	9
		2003..	1 773 896	5
		2002..	1 804 603	X
3261403	Building and construction polystyrene foam products	2004..	1 076 053	5
		2003..	949 123	5
		2002..	1 033 216	X
3261404	Furniture and furnishings polystyrene foam products	2004..	32 390	1
		2003..	41 787	1
		2002..	33 313	X
3261405	Consumer and institutional polystyrene foam products	2004..	2 181 853	1
		2003..	2 025 561	10
		2002..	2 194 570	X
3261406	Miscellaneous polystyrene foam products	2004..	231 300	6
		2003..	218 202	11
		2002..	230 332	X
326140W	Polystyrene foam product manufacturing, nsk, total	2004..	279 467	11
		2003..	270 177	9
		2002..	285 541	X
326150	Urethane and other foam product (except polystyrene) manufacturing	2004..	7 364 981	1
		2003..	7 271 866	5
		2002..	6 812 650	X
3261501	Transportation polyurethane foam products	2004..	1 559 653	3
		2003..	1 719 300	11
		2002..	1 557 017	X
3261502	Packaging polyurethane foam products	2004..	409 284	6
		2003..	344 221	8
		2002..	367 911	X
3261503	Building and construction polyurethane foam	2004..	667 848	7
		2003..	528 465	1
		2002..	482 271	X
3261504	Furniture and furnishings polyurethane foam products	2004..	2 803 483	2
		2003..	2 732 329	5
		2002..	2 513 382	X
3261505	Consumer and institutional polyurethane foam products	2004..	272 105	5
		2003..	286 123	4
		2002..	262 012	X
3261506	All other miscellaneous polyurethane foam products	2004..	613 739	6
		2003..	580 230	8
		2002..	480 076	X
3261509	Products made of foam other than polystyrene or polyurethane including phenolics, vinyl and cellulose acetate, etc.	2004..	776 659	4
		2003..	837 938	37
		2002..	873 167	X
326150W	Urethane and other foam product (except polystyrene) manufacturing, nsk, total	2004..	262 211	6
		2003..	243 258	4
		2002..	276 814	X
326160	Plastics bottle manufacturing	2004..	8 482 753	1
		2003..	8 455 949	1
		2002..	7 935 789	X
3261600	Plastics bottles	2004..	8 482 753	1
		2003..	8 455 949	1
		2002..	7 935 789	X
326191	Plastics plumbing fixture manufacturing	2004..	3 890 934	3
		2003..	3 273 431	6
		2002..	3 142 701	X
3261910	Plastics plumbing fixtures	2004..	3 890 934	3
		2003..	3 273 431	6
		2002..	3 142 701	X
326192	Resilient floor covering manufacturing	2004..	1 822 373	2
		2003..	1 692 914	1
		2002..	1 529 385	X
3261920	Resilient floor coverings	2004..	1 822 373	2
		2003..	1 692 914	1
		2002..	1 529 385	X
326199	All other plastics product manufacturing	2004..	73 802 292	2
		2003..	72 156 071	1
		2002..	70 604 783	X
3261991	Transportation fabricated plastics products (excluding foam and reinforced plastics)	2004..	15 561 792	1
		2003..	15 940 583	2
		2002..	15 270 465	X
3261992	Electrical and electronic fabricated plastics (excluding foam and reinforced plastics)	2004..	3 895 032	2
		2003..	4 628 863	10
		2002..	4 451 463	X
3261993	Industrial machinery plastics products, excluding foam (including gears, bearings, bushings, cams, and other components)	2004..	1 554 261	3
		2003..	1 313 861	2
		2002..	1 362 635	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
326199	All other plastics product manufacturing—Con.		
3261994	Plastics packaging (excluding film and sheet, foam, and bottles)	2004.. 10 202 416 2003.. 9 325 304 2002.. 9 060 907	6 1 X
3261995	Plastics dinnerware, tableware, kitchenware, and oven-microwave ware (excluding foam and cups)	2004.. 2 471 406 2003.. 2 184 861 2002.. 2 131 191	6 2 X
326199B	Consumer, institutional, and commercial fabricated plastics products (excluding foam and wire coated)	2004.. 16 822 626 2003.. 15 942 795 2002.. 16 356 255	7 2 X
3261998	Building and construction fabricated plastics products (excluding foam, plumbing fixtures, hardware, or reinforced plastics)	2004.. 10 725 565 2003.. 10 353 995 2002.. 9 398 288	1 2 X
3261999	Plastics shoe products, including taps, soling slabs, and quarterlinings	2004.. 199 792 2003.. 174 630 2002.. 145 974	13 4 X
326199A	All other reinforced and fiberglass plastics products	2004.. 5 352 526 2003.. 5 384 190 2002.. 5 340 269	2 5 X
326199W	All other plastics product manufacturing, nsk, total	2004.. 7 016 876 2003.. 6 906 988 2002.. 7 087 336	7 4 X
326211	Tire manufacturing (except retreading)	2004.. 14 018 332 2003.. 13 470 727 2002.. 12 789 899	1 1 X
3262111	Passenger car pneumatic tires (casings)	2004.. 7 225 627 2003.. 6 578 459 2002.. 6 240 162	1 2 X
3262113	Truck and bus (including off-the-highway pneumatic tires)	2004.. 4 484 245 2003.. 4 767 319 2002.. 4 440 885	1 1 X
3262117	Tractor and implement (farm and industrial) pneumatic tires	2004.. 539 450 2003.. 524 851 2002.. 492 224	4 1 X
3262119	Industrial and utility pneumatic tires (including garden)	2004.. 217 619 2003.. 242 686 2002.. 234 814	11 1 X
326211B	Other pneumatic tires and casing including motor bike, motorcycle, moped, bicycle, aircraft, and mobile home	2004.. 234 059 2003.. 232 219 2002.. 237 739	8 1 X
326211D	Solid and semipneumatic tires	2004.. 196 590 2003.. 194 996 2002.. 175 722	10 1 X
326211F	Inner tubes	2004.. 68 894 2003.. 71 161 2002.. 74 461	1 2 X
326211H	Tread rubber, tire sundries, and repair materials	2004.. 768 982 2003.. 686 129 2002.. 721 242	3 5 X
326211W	Tires manufacturing (except retreading), nsk, total	2004.. 282 866 2003.. 172 907 2002.. 172 650	32 6 X
326212	Tire retreading	2004.. 895 856 2003.. 928 054 2002.. 854 104	6 7 X
3262120	Tire rebuilding and retreading	2004.. 895 856 2003.. 928 054 2002.. 854 104	6 7 X
326220	Rubber and plastics hoses and belting manufacturing	2004.. 4 063 939 2003.. 3 896 477 2002.. 3 895 246	1 1 X
3262201	Flat rubber and plastics belts and belting	2004.. 719 821 2003.. 619 338 2002.. 645 137	2 3 X
3262202	Rubber and plastics transmission belts and belting other than flat	2004.. 806 378 2003.. 810 953 2002.. 768 744	1 1 X
3262203	Hose for on- and off-highway motor vehicles (made of rubber and other materials) (including plastics and nylon)	2004.. 845 995 2003.. 784 756 2002.. 835 074	2 1 X
3262204	Industrial rubber and plastics hose without fittings (acid and chemical handling, food and beverage, petroleum curb pump, dock, transfer, and other industrial hose)	2004.. 571 206 2003.. 564 977 2002.. 547 429	5 3 X
3262205	Rubber and plastics water hose (including fire, irrigation, water suction-discharge, and other water hose)	2004.. 182 648 2003.. 168 806 2002.. 170 411	3 1 X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
326220	Rubber and plastics hoses and belting manufacturing—Con.			
3262206	Rubber and plastics garden hose (with or without fittings)	2004..	316 567	1
		2003..	323 702	1
		2002..	349 074	X
3262207	Rubber and plastics inner tube type air hose (other than pneumatic power transfer)	2004..	51 682	4
		2003..	75 955	5
		2002..	84 063	X
3262208	All other pneumatic and hydraulic hose, without fittings, made of rubber and other materials (plastics, nylon, etc.)	2004..	393 712	2
		2003..	367 176	3
		2002..	332 285	X
326220W	Rubber and plastics hoses and belting manufacturing, nsk, total	2004..	175 931	6
		2003..	180 815	5
		2002..	163 029	X
326291	Rubber product manufacturing for mechanical use	2004..	6 984 712	2
		2003..	6 601 126	1
		2002..	6 872 255	X
3262911	Molded rubber mechanical goods automotive	2004..	3 035 127	1
		2003..	3 002 781	1
		2002..	3 132 736	X
3262912	Molded rubber menchanial goods, transportation (excluding automotive) and off-highway machinery and equipment	2004..	860 415	2
		2003..	647 444	2
		2002..	630 616	X
3262913	Other molded rubber mechanical goods	2004..	1 057 056	3
		2003..	1 037 075	2
		2002..	1 066 940	X
3262914	Extruded rubber mechanical goods, automotive, excluding tubing	2004..	911 338	2
		2003..	1 029 816	1
		2002..	1 116 982	X
3262915	Other extruded rubber mechanical goods (excluding automotive)	2004..	595 787	21
		2003..	416 094	5
		2002..	412 021	X
3262916	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment)	2004..	59 276	1
		2003..	55 181	9
		2002..	53 607	X
3262917	Other lathe-cut rubber mechanical goods (excluding automotive and transportation)	2004..	90 064	10
		2003..	77 440	5
		2002..	84 208	X
326291W	Rubber product manufacturing for mechanical use, nsk, total	2004..	375 650	16
		2003..	335 294	3
		2002..	375 145	X
326299	All other rubber product manufacturing	2004..	6 684 054	4
		2003..	6 566 960	2
		2002..	6 278 143	X
3262991	Rubber sponge, expanded and foam rubber products	2004..	910 800	3
		2003..	739 840	4
		2002..	785 221	X
3262993	Rubber floor and wall coverings	2004..	610 645	3
		2003..	653 580	3
		2002..	634 381	X
3262994	Shoe products, rubber, elastomer resin	2004..	87 031	5
		2003..	71 467	5
		2002..	75 309	X
326299A	Rubber druggist and medical sundries, excluding household gloves	2004..	310 827	8
		2003..	429 570	5
		2002..	471 268	X
3262996	Rubber compounds or mixtures for sale or interplant transfer	2004..	2 038 223	2
		2003..	1 922 187	1
		2002..	1 767 699	X
3262997	All other industrial rubber products	2004..	1 318 889	7
		2003..	1 388 450	6
		2002..	1 309 842	X
326299B	All other miscellaneous rubber goods	2004..	654 719	6
		2003..	613 994	3
		2002..	625 695	X
326299W	All other rubber product manufacturing, nsk, total	2004..	752 920	28
		2003..	747 873	4
		2002..	608 728	X
327111	Vitreous china plumbing fixture and china and earthenware bathroom accessories manufacturing	2004..	791 479	3
		2003..	905 055	1
		2002..	979 448	X
3271110	Vitreous plumbing fixtures	2004..	791 479	3
		2003..	905 055	1
		2002..	979 448	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	2004..	902 331	8
		2003..	834 367	3
		2002..	895 014	X
3271121	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including household, hotel, or commercial uses) (including bone and feldspar)	2004..	352 152	1
		2003..	322 617	3
		2002..	327 599	X
3271125	All other pottery products (including china decorated for the trade)	2004..	488 274	14
		2003..	464 847	5
		2002..	496 515	X
327112W	Vitreous china, fine earthenware, and other pottery product manufacturing, nsk, total	2004..	61 905	51
		2003..	46 902	30
		2002..	70 900	X
327113	Porcelain electrical supply manufacturing	2004..	1 030 689	4
		2003..	1 007 085	3
		2002..	1 065 065	X
3271130	Porcelain, steatite, and other ceramic electrical products	2004..	1 030 689	4
		2003..	1 007 085	3
		2002..	1 065 065	X
327121	Brick and structural clay tile manufacturing	2004..	2 013 890	2
		2003..	1 849 647	2
		2002..	1 762 476	X
3271210	Brick and structural clay tile ²	2004..	2 013 890	2
		2003..	1 849 647	2
		2002..	1 762 476	X
327122	Ceramic wall and floor tile manufacturing	2004..	917 823	2
		2003..	898 792	1
		2002..	905 503	X
3271220	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) ²	2004..	917 823	2
		2003..	898 792	1
		2002..	905 503	X
327123	Other structural clay product manufacturing	2004..	195 710	4
		2003..	189 487	2
		2002..	188 875	X
3271231	Vitrified clay sewer pipe and fittings ²	2004..	56 617	1
		2003..	52 104	1
		2002..	50 407	X
3271234	All other structural clay products (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories ²	2004..	135 453	6
		2003..	133 701	3
		2002..	134 452	X
327123W	Other structural clay product manufacturing, nsk, total	2004..	3 640	7
		2003..	3 682	1
		2002..	4 016	X
327124	Clay refractory manufacturing	2004..	845 068	4
		2003..	858 944	4
		2002..	844 122	X
3271240	Clay refractories ²	2004..	845 068	4
		2003..	858 944	4
		2002..	844 122	X
327125	Nonclay refractory manufacturing	2004..	1 092 942	3
		2003..	1 006 363	6
		2002..	989 497	X
3271250	Nonclay refractories (except dead-burned magnesia) ²	2004..	1 092 942	3
		2003..	1 006 363	6
		2002..	989 497	X
327211	Flat glass manufacturing	2004..	3 154 836	1
		2003..	2 811 500	2
		2002..	2 690 928	X
3272111	Flat glass (float, sheet, and plate process), made by flat glass producers ²	2004..	2 319 077	1
		2003..	2 028 117	2
		2002..	2 006 371	X
3272114	Other glass products, made by flat glass producers	2004..	834 819	2
		2003..	781 829	3
		2002..	683 748	X
327211W	Flat glass manufacturing, nsk, total	2004..	940	1
		2003..	1 554	2
		2002..	809	X
327212	Other pressed and blown glass and glassware manufacturing	2004..	4 009 018	2
		2003..	4 122 745	1
		2002..	4 831 037	X
3272121	Glass fiber mat, textile-type, made by establishments producing glass	2004..	1 375 189	4
		2003..	1 433 671	1
		2002..	1 489 084	X
3272123	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made by glass producers	2004..	942 409	1
		2003..	880 491	1
		2002..	970 555	X
3272125	Machine-made pressed and blown lighting, automotive, and electronic glassware, made by glass producers	2004..	544 300	3
		2003..	741 404	1
		2002..	1 399 910	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
327212	Other pressed and blown glass and glassware manufacturing—Con.		
3272127	All other machine-made pressed and blown glassware (including technical and scientific glassware, glass blocks, and lens blanks), made by glass producers	2004.. 783 565	7
		2003.. 734 707	1
		2002.. 629 964	X
3272129	Handmade pressed and blown glassware, made by glass producers	2004.. 133 734	1
		2003.. 112 040	8
		2002.. 118 784	X
327212W	Other pressed and blown glass and glassware manufacturing, nsk, total	2004.. 229 821	1
		2003.. 220 433	3
		2002.. 222 740	X
327213	Glass container manufacturing	2004.. 4 304 866	2
		2003.. 4 342 879	1
		2002.. 4 344 817	X
3272130	Glass containers ²	2004.. 4 304 866	2
		2003.. 4 342 879	1
		2002.. 4 344 817	X
327215	Glass product manufacturing made of purchased glass	2004.. 10 729 365	2
		2003.. 10 488 106	2
		2002.. 10 409 562	X
3272151	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made from purchased glass	2004.. 147 831	16
		2003.. 635 487	3
		2002.. 654 251	X
3272153	All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made from purchased glass	2004.. 960 627	9
		2003.. 846 846	3
		2002.. 854 671	X
3272155	Handmade pressed and blown glassware, made from purchased glass	2004.. 113 802	8
		2003.. 128 425	1
		2002.. 134 678	X
3272159	Mirrors (decorated and undecorated), made from purchased glass ²	2004.. 1 716 044	3
		2003.. 1 775 612	7
		2002.. 1 483 981	X
327215B	Other glass products, made from purchased glass ²	2004.. 7 102 940	2
		2003.. 6 435 294	2
		2002.. 6 481 593	X
327215W	Glass product manufacturing made of purchased glass, nsk, total	2004.. 688 121	17
		2003.. 666 442	24
		2002.. 800 388	X
327310	Cement manufacturing	2004.. 7 922 165	1
		2003.. 7 410 372	1
		2002.. 7 206 537	X
3273100	Cement, hydraulic (including cost of shipping containers)	2004.. 7 922 165	1
		2003.. 7 410 372	1
		2002.. 7 206 537	X
327320	Ready-mix concrete manufacturing	2004.. 22 186 325	2
		2003.. 21 679 075	2
		2002.. 20 409 630	X
3273200	Ready-mix concrete	2004.. 22 186 325	2
		2003.. 21 679 075	2
		2002.. 20 409 630	X
327331	Concrete block and brick manufacturing	2004.. 3 865 370	2
		2003.. 3 552 703	4
		2002.. 3 423 655	X
3273310	Concrete block and brick	2004.. 3 865 370	2
		2003.. 3 552 703	4
		2002.. 3 423 655	X
327332	Concrete pipe manufacturing	2004.. 2 279 929	3
		2003.. 2 433 654	5
		2002.. 2 345 054	X
3273320	Concrete pipe	2004.. 2 279 929	3
		2003.. 2 433 654	5
		2002.. 2 345 054	X
327390	Other concrete product manufacturing	2004.. 9 160 244	2
		2003.. 8 031 498	2
		2002.. 8 415 990	X
3273901	Precast concrete products	2004.. 5 973 312	1
		2003.. 5 300 260	2
		2002.. 5 392 152	X
3273904	Prestressed concrete products	2004.. 1 725 069	3
		2003.. 1 341 073	3
		2002.. 1 532 841	X
327390W	Other concrete product manufacturing, nsk, total	2004.. 1 461 863	12
		2003.. 1 390 165	6
		2002.. 1 490 997	X
327410	Lime manufacturing	2004.. 1 284 200	1
		2003.. 1 004 349	3
		2002.. 977 101	X
3274100	Lime	2004.. 1 284 200	1
		2003.. 1 004 349	3
		2002.. 977 101	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
327420	Gypsum product manufacturing	2004..	4 948 663	1
		2003..	4 248 696	2
		2002..	3 781 980	X
3274201	Gypsum building materials	2004..	3 961 983	1
		2003..	3 529 458	2
		2002..	2 945 382	X
3274205	Other gypsum products	2004..	894 101	3
		2003..	644 072	7
		2002..	751 441	X
327420W	Gypsum product manufacturing, nsk, total	2004..	92 579	1
		2003..	75 166	3
		2002..	85 157	X
327910	Abrasive product manufacturing	2004..	3 477 089	2
		2003..	3 376 656	1
		2002..	3 299 273	X
3279101	Nonmetallic sized grains, powders, and flour abrasives (including graded products only)	2004..	664 231	3
		2003..	638 447	4
		2002..	521 701	X
3279104	Nonmetallic abrasive products (including diamond abrasives)	2004..	1 037 446	4
		2003..	983 753	3
		2002..	993 633	X
3279107	Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps	2004..	1 485 626	1
		2003..	1 468 260	2
		2002..	1 523 468	X
327910A	Metal abrasives including steel and iron grid, shot, and sand, and other metal abrasives	2004..	178 401	3
		2003..	183 448	3
		2002..	130 580	X
327910W	Abrasive product manufacturing, nsk, total	2004..	111 384	12
		2003..	102 749	15
		2002..	129 891	X
327991	Cut stone and stone product manufacturing	2004..	2 488 447	4
		2003..	2 298 195	3
		2002..	2 178 824	X
3279911	Dressed dimension granite (including gneiss, syenite, diorite, and cut granite)	2004..	1 213 281	5
		2003..	969 712	6
		2002..	862 046	X
3279914	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone)	2004..	255 347	5
		2003..	304 822	3
		2002..	268 577	X
3279917	Dressed dimension marble and other stone	2004..	580 413	7
		2003..	426 851	8
		2002..	407 671	X
327991W	Cut stone and stone product manufacturing, nsk, total	2004..	439 406	18
		2003..	596 810	7
		2002..	640 530	X
327992	Ground or treated mineral and earth manufacturing	2004..	2 170 115	4
		2003..	2 206 011	4
		2002..	1 965 719	X
3279920	Treated minerals and earths ²	2004..	2 170 115	4
		2003..	2 206 011	4
		2002..	1 965 719	X
327993	Mineral wool manufacturing	2004..	5 302 586	3
		2003..	4 697 575	2
		2002..	4 749 510	X
3279931	Mineral wool for thermal and acoustical envelope insulation (for homes and commercial, and industrial buildings)	2004..	3 396 178	1
		2003..	3 066 618	2
		2002..	2 941 434	X
3279934	Mineral wool for industrial, equipment, and appliance insulation	2004..	1 593 303	10
		2003..	1 319 374	4
		2002..	1 406 224	X
327993W	Mineral wool manufacturing, nsk, total	2004..	313 105	12
		2003..	311 584	7
		2002..	401 852	X
327999	All other nonmetallic mineral product manufacturing	2004..	2 222 522	3
		2003..	1 939 164	3
		2002..	1 836 863	X
3279990	All other nonmetallic mineral products	2004..	2 222 522	3
		2003..	1 939 164	3
		2002..	1 836 863	X
331111	Iron and steel mills	2004..	69 894 956	2
		2003..	45 302 763	1
		2002..	44 342 178	X
3311111	Coke oven and blast furnace products, made in steel mills	2004..	1 092 051	5
		2003..	1 187 379	2
		2002..	947 986	X
3311113	Steel ingots and semifinished shapes and forms, made in steel mills ²	2004..	5 321 727	3
		2003..	3 278 496	1
		2002..	3 569 641	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331111	Iron and steel mills—Con.		
3311115	Hot rolled steel sheet and strip (including tin mill products, tinplate, blackplate, terneplate, and tin-free steel), made in steel mills ²	2004.. 25 260 313 2003.. 15 531 823 2002.. 15 766 781	5 1 X
3311117	Hot rolled steel bars and bar shapes, plates, structural shapes, and piling (including concrete reinforcing and tool steel bars), made in steel mills ²	2004.. 16 059 193 2003.. 10 699 770 2002.. 10 735 366	1 1 X
3311119	Steel wire, including galvanized and other coated wire, made in steel mills producing wire rods or hot rolled bars	2004.. 947 330 2003.. 557 202 2002.. 591 422	5 2 X
331111B	Steel pipes and tubes, made in steel mills producing semifinished shapes or plate	2004.. 2 983 774 2003.. 1 577 394 2002.. 1 885 144	3 4 X
331111D	Cold rolled steel sheet and strip, made in steel mills producing hot rolled sheet or strip	2004.. 15 138 433 2003.. 10 414 026 2002.. 9 373 406	1 1 X
331111F	Cold finished steel bars and bar shapes, made in steel mills producing hot rolled bars and bar shapes	2004.. 868 662 2003.. 654 832 2002.. 629 132	6 1 X
331111H	Seamless rolled ring forgings, ferrous, made in steel mills	2004.. 70 417 2003.. 83 639 2002.. 75 703	9 19 X
331111J	Open die and smith forgings (hammer and press), ferrous, made in steel mills	2004.. 291 376 2003.. 208 687 2002.. 182 850	7 4 X
331111L	Other steel mill products, including steel rails, except wire products ²	2004.. 1 604 363 2003.. 949 491 2002.. 568 526	13 6 X
331111W	Iron and steel mills, nsk, total	2004.. 257 318 2003.. 160 025 2002.. 16 221	1 11 X
331112	Electrometallurgical ferroalloy product manufacturing	2004.. 942 390 2003.. 736 544 2002.. 759 383	1 1 X
3311121	Ferrochromium, including briquettes, ferrochromium silicon, exothermic chromium additives, and other chromium alloys	2004.. — 2003.. — 2002.. —	1 1 X
3311123	Ferrosilicon, including briquettes, and other silicon alloys	2004.. 168 892 2003.. 118 484 2002.. 165 229	2 1 X
3311125	Other ferroalloys	2004.. 773 497 2003.. 618 060 2002.. 594 154	1 1 X
331112W	Electrometallurgical ferroalloy product manufacturing, nsk, total	2004.. — 2003.. — 2002.. —	1 1 X
331210	Iron and steel pipe and tube manufacturing from purchased steel	2004.. 8 213 955 2003.. 6 629 958 2002.. 6 958 267	1 2 X
3312100	Iron and steel pipes and tubes, made from purchased iron and steel	2004.. 8 213 955 2003.. 6 629 958 2002.. 6 958 267	1 2 X
331221	Rolled steel shape manufacturing	2004.. 8 059 664 2003.. 5 532 096 2002.. 5 575 826	5 2 X
3312211	Cold rolled steel sheet and strip, made from purchased steel	2004.. 6 212 391 2003.. 4 004 781 2002.. 4 014 025	6 2 X
3312213	Cold finished steel bars and bar shapes, made from purchased steel	2004.. 1 322 244 2003.. 1 045 107 2002.. 1 113 176	6 3 X
3312215	Iron and steel powders, paste, and flakes, made from purchased steel	2004.. 423 082 2003.. 400 454 2002.. 396 588	6 8 X
331221W	Rolled steel shape manufacturing, nsk, total	2004.. 101 947 2003.. 81 755 2002.. 52 037	4 18 X
331222	Steel wire drawing	2004.. 4 140 377 2003.. 3 914 815 2002.. 4 096 358	2 1 X
3312221	Noninsulated ferrous wire rope, cable, and fabricated wire rope assemblies (including lifting slings), made in plants that draw wire	2004.. 894 863 2003.. 820 557 2002.. 868 100	4 2 X
3312223	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire	2004.. 232 599 2003.. 257 939 2002.. 266 261	12 11 X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

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Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331222	Steel wire drawing—Con.		
3312225	Steel wire, including galvanized and other coated wire, made in plants that draw wire	2004.. 1 782 362	3
		2003.. 1 637 324	2
		2002.. 1 757 059	X
3312227	Steel fencing and fence gates, made in plants that draw wire	2004.. 390 607	4
		2003.. 306 924	6
		2002.. 299 653	X
3312229	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire	2004.. 59 695	1
		2003.. 60 616	1
		2002.. 62 598	X
331222B	Other ferrous wire products (excluding springs), made in plants that draw wire	2004.. 632 769	4
		2003.. 664 586	5
		2002.. 680 911	X
331222W	Steel wire drawing, nsk, total	2004.. 147 482	3
		2003.. 166 868	2
		2002.. 161 776	X
331311	Alumina refining	2004.. 798 410	1
		2003.. 629 656	1
		2002.. 558 081	X
3313110	Aluminum oxide, except natural alumina ²	2004.. 798 410	1
		2003.. 629 656	1
		2002.. 558 081	X
331312	Primary aluminum production	2004.. 5 029 221	1
		2003.. 4 493 786	1
		2002.. 4 685 751	X
3313120	Aluminum ingot, including billet, made in primary aluminum reduction plants	2004.. 5 029 221	1
		2003.. 4 493 786	1
		2002.. 4 685 751	X
331314	Secondary smelting and alloying of aluminum	2004.. 4 064 133	1
		2003.. 3 532 774	2
		2002.. 3 422 555	X
3313142	Aluminum ingot, including billet, made by secondary smelters	2004.. 3 507 060	1
		2003.. 2 944 438	1
		2002.. 2 952 464	X
3313145	Aluminum and aluminum-base alloy powders, paste, and flakes from purchased aluminum	2004.. 403 003	3
		2003.. 431 006	15
		2002.. 320 403	X
331314W	Secondary smelting and alloying of aluminum, nsk, total	2004.. 154 070	1
		2003.. 157 330	7
		2002.. 149 688	X
331315	Aluminum sheet, plate, and foil manufacturing	2004.. 12 875 174	1
		2003.. 10 929 288	1
		2002.. 10 817 188	X
3313151	Aluminum plate (thickness of 0.25 in. or more), including continuous cast	2004.. 612 473	1
		2003.. 544 292	1
		2002.. 589 429	X
3313153	Aluminum sheet and strip, including continuous cast	2004.. 11 255 069	2
		2003.. 9 384 397	1
		2002.. 9 206 911	X
3313155	Plain aluminum foil (less than .006 in. thick)	2004.. 785 654	1
		2003.. 801 415	1
		2002.. 838 027	X
3313157	Aluminum welded tube	2004.. 71 835	4
		2003.. 96 839	8
		2002.. 105 930	X
331315W	Aluminum sheet, plate, and foil manufacturing, nsk, total	2004.. 150 142	3
		2003.. 102 344	1
		2002.. 76 891	X
331316	Aluminum extruded product manufacturing	2004.. 6 099 421	1
		2003.. 5 363 291	2
		2002.. 5 407 674	X
3313161	Extruded aluminum rod, bar, and other extruded shapes	2004.. 5 472 080	1
		2003.. 4 656 240	2
		2002.. 4 731 519	X
3313163	Extruded and drawn aluminum tube	2004.. 555 495	3
		2003.. 650 500	9
		2002.. 610 371	X
331316W	Aluminum extruded product manufacturing, nsk, total	2004.. 71 847	15
		2003.. 56 551	6
		2002.. 65 784	X
331319	Other aluminum rolling and drawing	2004.. 1 350 113	3
		2003.. 1 288 163	1
		2002.. 1 454 050	X
3313192	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2004.. 421 306	6
		2003.. 315 349	1
		2002.. 379 475	X
3313193	Rolled aluminum rod and bar (including continuous cast), made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2004.. 291 249	2
		2003.. 239 651	1
		2002.. 188 448	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331319	Other aluminum rolling and drawing—Con.		
331319D	Aluminum ingot, including billet, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2004.. 258 872	9
		2003.. 222 464	1
		2002.. 304 644	X
331319E	Aluminum insulated wire and cable	2004.. 334 070	7
		2003.. 426 335	1
		2002.. 476 064	X
331319W	Other aluminum rolling and drawing, nsk, total	2004.. 44 616	2
		2003.. 84 364	5
		2002.. 105 419	X
331411	Primary smelting and refining of copper	2004.. 3 162 186	1
		2003.. 2 039 673	1
		2002.. 2 205 347	X
3314110	Primary smelting and refining of copper	2004.. 3 162 186	1
		2003.. 2 039 673	1
		2002.. 2 205 347	X
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	2004.. 3 016 402	2
		2003.. 2 506 865	2
		2002.. 2 517 039	X
3314193	Primary smelting and refining of zinc	2004.. 392 480	9
		2003.. 325 447	4
		2002.. 246 553	X
3314197	Primary precious metals and precious metal alloys	2004.. 624 675	5
		2003.. 515 914	4
		2002.. 646 552	X
331419A	All other miscellaneous primary nonferrous metals	2004.. 1 895 394	2
		2003.. 1 550 689	2
		2002.. 1 519 949	X
331419W	Primary smelting and refining of nonferrous metal (except copper and aluminum), nsk, total	2004.. 103 852	2
		2003.. 114 816	1
		2002.. 103 985	X
331421	Copper rolling, drawing, and extruding	2004.. 8 531 410	1
		2003.. 6 250 426	1
		2002.. 5 884 802	X
3314211	Copper wire, bare and tinned (nonelectrical), made in rolling mills	2004.. 326 177	8
		2003.. 288 261	1
		2002.. 306 884	X
3314213	Copper and copper-base alloy rod, bar, and shapes	2004.. 4 011 981	1
		2003.. 2 816 371	1
		2002.. 2 673 569	X
3314217	Copper and copper-base alloy sheet, strip, and plate	2004.. 1 720 538	2
		2003.. 1 202 683	1
		2002.. 1 083 062	X
3314219	Copper and copper-base alloy pipe and tube	2004.. 2 385 695	1
		2003.. 1 871 936	1
		2002.. 1 779 723	X
331421W	Copper rolling, drawing, and extruding, nsk, total	2004.. 87 019	18
		2003.. 71 175	29
		2002.. 41 564	X
331422	Copper wire (except mechanical) drawing	2004.. 3 131 896	2
		2003.. 2 642 565	1
		2002.. 2 778 954	X
3314222	Copper and copper-base alloy wire, strand, and cable, made in plants that draw wire	2004.. 852 060	4
		2003.. 716 832	2
		2002.. 711 260	X
3314224	Copper wire and cable, including apparatus wire, cord, and flexible cord sets, made in copper wire drawing plants	2004.. 1 323 765	1
		2003.. 1 110 968	3
		2002.. 1 257 062	X
3314225	Copper magnet wire (except fiber optic), made in plants that draw wire ²	2004.. 872 056	3
		2003.. 766 597	1
		2002.. 769 401	X
331422W	Copper wire (except mechanical) drawing, nsk, total	2004.. 84 014	36
		2003.. 48 167	1
		2002.. 41 231	X
331423	Secondary smelting, refining, and alloying of copper	2004.. 602 428	5
		2003.. 703 151	9
		2002.. 625 812	X
3314230	Secondary smelting, refining, and alloying of copper	2004.. 602 428	5
		2003.. 703 151	9
		2002.. 625 812	X
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	2004.. 4 512 650	4
		2003.. 4 025 524	2
		2002.. 4 099 079	X
3314912	Nickel and nickel-base alloy mill shapes	2004.. 1 110 698	13
		2003.. 973 117	1
		2002.. 1 052 211	X
3314913	Titanium and titanium-base alloy mill shapes	2004.. 973 674	3
		2003.. 881 721	3
		2002.. 864 536	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding—Con.		
331491A	Precious metal mill shapes	2004.. 673 912	6
		2003.. 547 532	11
		2002.. 687 034	X
331491D	All other nonferrous metal mill shapes	2004.. 1 429 693	3
		2003.. 1 241 222	3
		2002.. 1 111 845	X
331491F	Apparatus wire and cord and flexible cord sets (except aluminum, copper, wiring harnesses and fiber optic), made in plants that draw wire	2004.. 51 308	3
		2003.. 64 656	1
		2002.. 62 144	X
331491H	Magnet wire, (except aluminum and copper), made in plants that draw wire ²	2004.. 19 120	7
		2003.. 18 188	1
		2002.. 14 693	X
331491W	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding, nsk, total	2004.. 254 244	11
		2003.. 299 088	7
		2002.. 306 616	X
331492	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)	2004.. 2 733 859	2
		2003.. 2 720 137	3
		2002.. 2 390 997	X
3314921	Other nonferrous metal powders, paste, and flakes	2004.. 1 019 021	2
		2003.. 1 198 195	7
		2002.. 991 329	X
3314927	Secondary smelting, refining, and alloying of zinc	2004.. 161 010	2
		2003.. 160 178	2
		2002.. 169 477	X
3314929	Secondary precious metals and precious metal alloys	2004.. 322 294	3
		2003.. 331 361	8
		2002.. 277 531	X
331492B	All other miscellaneous secondary nonferrous metals	2004.. 1 005 839	6
		2003.. 786 129	2
		2002.. 800 094	X
331492W	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum), nsk, total	2004.. 225 695	2
		2003.. 244 274	1
		2002.. 152 566	X
331511	Iron foundries	2004.. 10 742 800	1
		2003.. 9 599 305	1
		2002.. 9 802 062	X
3315111	Ductile iron pressure pipe and fittings ²	2004.. 2 036 199	1
		2003.. 1 696 751	1
		2002.. 1 590 295	X
3315113	Other ductile iron castings ²	2004.. 3 132 435	2
		2003.. 2 760 548	1
		2002.. 2 948 924	X
3315115	Cast iron pressure pipe and fittings	2004.. 31 533	5
		2003.. 33 255	7
		2002.. 35 398	X
3315117	Cast iron soil pipe and fittings, all sizes ²	2004.. 380 969	5
		2003.. 299 969	1
		2002.. 309 976	X
3315119	Other gray iron castings ²	2004.. 4 679 719	2
		2003.. 4 380 897	1
		2002.. 4 475 717	X
331511A	Standard malleable iron castings ²	2004.. 92 301	6
		2003.. 88 088	5
		2002.. 92 887	X
331511C	Pearlitic malleable iron castings ²	2004.. 105 066	1
		2003.. 118 923	1
		2002.. 130 962	X
331511E	Molds and stools for heavy steel ingots ²	2004.. 43 986	1
		2003.. 42 757	4
		2002.. 42 664	X
331511W	Iron foundries, nsk, total	2004.. 240 590	1
		2003.. 178 117	4
		2002.. 175 239	X
331512	Steel investment foundries	2004.. 2 086 719	4
		2003.. 1 857 231	2
		2002.. 2 124 145	X
3315120	Steel investment castings ²	2004.. 2 086 719	4
		2003.. 1 857 231	2
		2002.. 2 124 145	X
331513	Steel foundries (except investment)	2004.. 2 966 982	5
		2003.. 2 423 901	2
		2002.. 2 447 575	X
3315131	Other carbon steel castings, except investment ²	2004.. 1 558 321	9
		2003.. 1 267 264	3
		2002.. 1 195 916	X
3315133	High alloy steel castings, except investment ²	2004.. 683 369	4
		2003.. 585 286	4
		2002.. 608 266	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331513	Steel foundries (except investment)—Con.			
3315135	Other alloy steel castings, except investment ²	2004..	597 152	6
		2003..	459 790	4
		2002..	525 505	X
331513W	Steel foundries (except investment), nsk, total	2004..	128 140	1
		2003..	111 560	4
		2002..	117 888	X
331521	Aluminum die-casting foundries	2004..	4 271 268	2
		2003..	3 981 246	5
		2002..	4 333 741	X
3315210	Aluminum die-castings ²	2004..	4 271 268	2
		2003..	3 981 246	5
		2002..	4 333 741	X
331522	Nonferrous (except aluminum) die-casting foundries	2004..	1 874 242	3
		2003..	1 811 954	3
		2002..	1 803 523	X
3315220	Nonferrous (except aluminum) die-castings ²	2004..	1 874 242	3
		2003..	1 811 954	3
		2002..	1 803 523	X
331524	Aluminum foundries (except die-casting)	2004..	3 472 779	2
		2003..	3 266 411	3
		2002..	3 476 653	X
3315240	Aluminum foundries ²	2004..	3 472 779	2
		2003..	3 266 411	3
		2002..	3 476 653	X
331525	Copper foundries (except die-casting)	2004..	768 287	4
		2003..	713 095	5
		2002..	729 226	X
3315250	Copper foundries ²	2004..	768 287	4
		2003..	713 095	5
		2002..	729 226	X
331528	Other nonferrous foundries (except die-casting)	2004..	863 046	5
		2003..	797 837	4
		2002..	749 678	X
3315280	Other nonferrous foundries ²	2004..	863 046	5
		2003..	797 837	4
		2002..	749 678	X
332111	Iron and steel forging	2004..	4 685 510	2
		2003..	3 952 683	1
		2002..	4 100 568	X
3321111	Hot impression die impact, press, and upset steel forgings	2004..	2 996 575	3
		2003..	2 496 860	1
		2002..	2 544 480	X
3321113	Cold impression die impact, press, and upset steel forgings	2004..	519 498	2
		2003..	430 053	6
		2002..	457 271	X
3321115	Seamless rolled ring forgings, ferrous, made from purchased iron and steel	2004..	293 754	7
		2003..	274 040	4
		2002..	297 526	X
3321117	Open die and smith forgings (hammer and press), ferrous, made from purchased iron and steel	2004..	551 646	7
		2003..	480 284	4
		2002..	528 019	X
332111W	Iron and steel forging, nsk, total	2004..	324 037	1
		2003..	271 446	3
		2002..	273 272	X
332112	Nonferrous forging	2004..	2 011 544	1
		2003..	1 875 378	3
		2002..	1 816 928	X
3321121	Hot impression die impact, press, and upset nonferrous forgings	2004..	1 436 208	1
		2003..	1 306 360	4
		2002..	1 381 988	X
3321122	Other nonferrous forgings	2004..	544 594	1
		2003..	530 857	1
		2002..	395 614	X
332112W	Nonferrous forging, nsk, total	2004..	30 742	6
		2003..	38 161	3
		2002..	39 326	X
332114	Custom roll forming	2004..	5 564 895	3
		2003..	4 408 170	3
		2002..	4 030 320	X
3321140	Custom roll form products	2004..	5 564 895	3
		2003..	4 408 170	3
		2002..	4 030 320	X
332115	Crown and closure manufacturing	2004..	911 056	1
		2003..	867 980	1
		2002..	900 861	X
3321150	Crowns and closures	2004..	911 056	1
		2003..	867 980	1
		2002..	900 861	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332116	Metal stamping	2004..	9 819 610	2
		2003..	8 752 383	4
		2002..	8 809 967	X
3321161	Job stampings, except automotive	2004..	6 701 748	3
		2003..	5 943 317	6
		2002..	5 919 705	X
3321163	Metal spinning products, excluding cooking and kitchen utensils	2004..	240 661	12
		2003..	166 041	11
		2002..	152 775	X
3321166	Stamped and pressed metal end products, including vitreous (porcelain) enameled products	2004..	1 890 347	4
		2003..	1 658 330	6
		2002..	1 703 836	X
332116W	Metal stamping, nsk, total	2004..	986 854	7
		2003..	984 695	6
		2002..	1 033 651	X
332117	Powder metallurgy part manufacturing	2004..	1 183 597	3
		2003..	1 342 509	8
		2002..	1 293 105	X
3321170	Powder metallurgy parts	2004..	1 183 597	3
		2003..	1 342 509	8
		2002..	1 293 105	X
332211	Cutlery and flatware (except precious) manufacturing	2004..	1 757 038	1
		2003..	1 806 070	3
		2002..	1 787 795	X
3322112	Cutlery, scissors, shears, trimmers, and snips	2004..	545 302	2
		2003..	567 195	8
		2002..	622 160	X
3322113	Razor blades and razors, except electric	2004..	1 162 464	1
		2003..	1 190 560	1
		2002..	1 118 872	X
332211W	Cutlery and flatware (except precious) manufacturing, nsk, total	2004..	49 272	1
		2003..	48 315	2
		2002..	46 763	X
332212	Hand and edge tool manufacturing	2004..	5 332 967	2
		2003..	5 411 614	1
		2002..	5 753 168	X
3322122	Mechanics' hand service tools	2004..	2 071 619	1
		2003..	1 904 794	1
		2002..	2 096 407	X
3322123	Edge tools, hand-operated	2004..	456 226	8
		2003..	488 697	8
		2002..	547 080	X
3322125	Dies and interchangeable cutting tools, for machines and power-driven handtools	2004..	695 536	4
		2003..	779 649	3
		2002..	785 592	X
3322128	All other miscellaneous handtools	2004..	979 270	3
		2003..	1 088 659	3
		2002..	1 171 354	X
3322129	Precision measuring tools (inspection, quality control, tool room, and machinists')	2004..	682 097	4
		2003..	724 040	3
		2002..	713 047	X
332212W	Hand and edge tool manufacturing, nsk, total	2004..	448 219	24
		2003..	425 777	5
		2002..	439 688	X
332213	Saw blade and handsaw manufacturing	2004..	1 166 066	5
		2003..	1 077 111	3
		2002..	1 193 757	X
3322130	Saw blades and handsaws	2004..	1 166 066	5
		2003..	1 077 111	3
		2002..	1 193 757	X
332214	Kitchen utensil, pot, and pan manufacturing	2004..	1 186 333	2
		2003..	1 369 367	6
		2002..	1 370 603	X
3322141	Stamped and spun utensils, cooking and kitchen, aluminum	2004..	716 595	3
		2003..	781 241	11
		2002..	818 725	X
3322143	Stamped and spun utensils, cooking and kitchen, except aluminum	2004..	461 971	3
		2003..	578 459	2
		2002..	541 828	X
332214W	Kitchen utensil, pot, and pan manufacturing, nsk, total	2004..	7 767	1
		2003..	9 667	1
		2002..	10 050	X
332311	Prefabricated metal building and component manufacturing	2004..	5 252 787	4
		2003..	4 602 994	2
		2002..	4 675 388	X
3323111	Prefabricated metal building and component systems (excluding farm service buildings, residential buildings, and parts)	2004..	3 233 665	2
		2003..	2 884 542	2
		2002..	2 961 214	X
3323113	Other prefabricated and portable metal buildings and parts	2004..	1 486 048	12
		2003..	1 134 953	4
		2002..	1 158 411	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332311	Prefabricated metal building and component manufacturing—Con.		
332311W	Prefabricated metal building and component manufacturing, nsk, total	2004.. 533 075	20
		2003.. 583 499	5
		2002.. 555 763	X
332312	Fabricated structural metal manufacturing	2004.. 18 281 001	3
		2003.. 17 541 029	3
		2002.. 17 560 629	X
3323121	Fabricated structural metal bar joists and concrete reinforcing bars	2004.. 9 889 088	2
		2003.. 9 213 291	4
		2002.. 9 471 649	X
3323123	Fabricated structural metal for bridges	2004.. 1 072 622	13
		2003.. 1 086 290	8
		2002.. 1 036 854	X
3323125	Other fabricated structural metal	2004.. 4 890 899	7
		2003.. 4 416 066	4
		2002.. 4 067 750	X
332312W	Fabricated structural metal manufacturing, nsk, total	2004.. 2 428 393	15
		2003.. 2 825 382	7
		2002.. 2 984 376	X
332313	Plate work manufacturing	2004.. 3 569 706	3
		2003.. 2 885 722	6
		2002.. 3 149 341	X
3323130	Fabricated plate work (stacks and weldments)	2004.. 3 569 706	3
		2003.. 2 885 722	6
		2002.. 3 149 341	X
332321	Metal window and door manufacturing	2004.. 10 881 661	2
		2003.. 10 390 995	1
		2002.. 10 267 852	X
3323211	Metal doors (except storm doors)	2004.. 5 971 136	2
		2003.. 5 588 951	1
		2002.. 5 379 625	X
3323213	Metal windows (except storm sash)	2004.. 2 229 329	5
		2003.. 2 173 934	2
		2002.. 2 130 180	X
3323215	Metal molding and trim and store fronts	2004.. 957 316	2
		2003.. 851 046	3
		2002.. 988 156	X
3323217	Metal combination screen, storm sash, and storm doors	2004.. 604 656	2
		2003.. 555 991	2
		2002.. 544 830	X
3323219	Metal window and door screens (except combination) and metal weather strip	2004.. 344 458	6
		2003.. 345 071	4
		2002.. 340 780	X
332321W	Metal window and door manufacturing, nsk, total	2004.. 774 766	14
		2003.. 876 002	7
		2002.. 884 281	X
332322	Sheet metal work manufacturing	2004.. 16 857 010	2
		2003.. 14 881 164	3
		2002.. 14 544 624	X
3323221	Sheet metal air-conditioning ducts and stove pipe	2004.. 2 336 982	3
		2003.. 2 057 917	7
		2002.. 1 831 782	X
3323223	Sheet metal culverts, flumes, irrigation pipes, etc.	2004.. 712 850	5
		2003.. 503 937	13
		2002.. 561 751	X
3323227	Sheet metal roofing and roof drainage equipment	2004.. 2 107 388	4
		2003.. 1 431 296	6
		2002.. 1 444 863	X
3323229	Sheet metal flooring and siding	2004.. 1 189 497	9
		2003.. 942 986	12
		2002.. 900 691	X
332322A	Sheet metal awnings, canopies, cornices, and soffits	2004.. 730 347	2
		2003.. 640 968	8
		2002.. 684 375	X
332322C	Sheet metal electronic enclosures	2004.. 2 668 256	6
		2003.. 2 499 654	5
		2002.. 2 337 659	X
332322G	Other sheet metal work	2004.. 4 395 136	3
		2003.. 4 181 199	4
		2002.. 3 638 441	X
332322F	Metal studs, nonload and load-bearing (iron, steel, and aluminum)	2004.. 716 339	8
		2003.. 467 787	2
		2002.. 342 538	X
332322W	Sheet metal work manufacturing, nsk, total	2004.. 2 000 215	8
		2003.. 2 155 421	13
		2002.. 2 802 524	X

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Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332323	Ornamental and architectural metal work manufacturing	2004..	5 377 691	3
		2003..	5 145 633	3
		2002..	5 191 220	X
3323231	Metal grilles, registers, and air diffusers	2004..	854 212	9
		2003..	593 364	4
		2002..	591 046	X
3323233	Ornamental and architectural metal work	2004..	1 928 827	4
		2003..	1 693 782	4
		2002..	1 590 170	X
3323236	Open metal flooring, grating, and studs	2004..	406 859	7
		2003..	359 645	8
		2002..	361 143	X
3323237	Metal scaffolding and shoring and forming for concrete work	2004..	569 036	5
		2003..	611 931	3
		2002..	570 312	X
3323239	Other architectural and ornamental work	2004..	1 198 804	4
		2003..	1 153 252	8
		2002..	1 217 895	X
332323W	Ornamental and architectural metal work manufacturing, nsk, total	2004..	419 954	24
		2003..	733 659	7
		2002..	860 654	X
332410	Power boiler and heat exchanger manufacturing	2004..	2 998 089	5
		2003..	2 930 873	11
		2002..	3 278 770	X
3324101	Fabricated heat exchangers and steam condensers (except nuclear applications)	2004..	1 588 879	5
		2003..	1 631 683	11
		2002..	1 457 171	X
3324105	Steel power boilers (stationary and marine), parts and attachments (except nuclear applications)	2004..	682 482	5
		2003..	535 480	49
		2002..	948 603	X
3324107	Nuclear reactor steam supply systems, heat exchangers and condensers, pressurizers, components, and auxiliary equipment	2004..	230 210	3
		2003..	263 835	9
		2002..	204 298	X
332410W	Power boiler and heat exchanger manufacturing, nsk, total	2004..	496 518	27
		2003..	499 875	13
		2002..	668 698	X
332420	Metal tank (heavy gauge) manufacturing	2004..	4 520 822	2
		2003..	4 565 369	2
		2002..	4 426 563	X
3324207	Gas cylinders	2004..	647 778	5
		2003..	602 777	5
		2002..	548 668	X
3324209	Metal tanks, complete at factory (standard line pressure)	2004..	706 002	6
		2003..	602 015	6
		2002..	597 602	X
332420C	Metal tanks, complete at factory (standard line nonpressure)	2004..	541 543	5
		2003..	636 139	10
		2002..	499 792	X
332420E	Metal tanks and vessels, custom fabricated at the factory and field erected	2004..	1 187 949	4
		2003..	1 296 069	5
		2002..	1 189 816	X
332420G	Metal tanks and vessels, custom fabricated and field erected	2004..	1 009 346	4
		2003..	1 047 736	2
		2002..	1 083 101	X
332420W	Metal tank (heavy gauge) manufacturing, nsk, total	2004..	428 205	14
		2003..	380 632	8
		2002..	507 584	X
332431	Metal can manufacturing	2004..	11 245 505	1
		2003..	10 919 828	1
		2002..	11 017 618	X
3324311	Steel cans and tinware products	2004..	4 477 024	1
		2003..	4 205 012	1
		2002..	4 072 643	X
3324313	Aluminum (including lids, ends, and parts shipped separately)	2004..	6 669 184	1
		2003..	6 594 477	1
		2002..	6 863 690	X
332431W	Metal can manufacturing, nsk, total	2004..	99 297	7
		2003..	120 339	1
		2002..	81 285	X
332439	Other metal container manufacturing	2004..	2 995 080	2
		2003..	3 078 786	5
		2002..	2 788 779	X
3324391	Steel pails (1 to 12 gallon capacity) and fabricated steel boxes	2004..	646 667	4
		2003..	762 600	16
		2002..	678 415	X
3324393	Steel shipping barrels and drums (excluding beer barrels) (more than 12 gallon capacity)	2004..	745 288	3
		2003..	623 683	3
		2002..	630 194	X
3324396	All other metal container manufacturing	2004..	1 192 577	3
		2003..	1 249 767	6
		2002..	1 130 768	X

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Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332439	Other metal container manufacturing—Con.		
332439W	Other metal container manufacturing, nsk, total	2004.. 410 548	12
		2003.. 442 735	5
		2002.. 349 402	X
332510	Hardware manufacturing	2004.. 9 421 204	2
		2003.. 9 634 948	1
		2002.. 9 774 688	X
3325102	Furniture hardware (excluding cabinet hardware)	2004.. 707 354	5
		2003.. 798 794	6
		2002.. 789 331	X
3325104	Builders' hardware	2004.. 4 625 929	1
		2003.. 4 650 173	1
		2002.. 4 761 343	X
3325106	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	2004.. 2 371 680	1
		2003.. 2 514 350	1
		2002.. 2 628 099	X
3325107	Other transportation equipment hardware (except motor vehicle hardware)	2004.. 452 275	13
		2003.. 356 376	9
		2002.. 359 113	X
332510A	All other miscellaneous hardware	2004.. 723 602	22
		2003.. 693 570	9
		2002.. 588 314	X
332510W	Hardware manufacturing, nsk, total	2004.. 540 363	27
		2003.. 621 686	10
		2002.. 648 488	X
332611	Spring (heavy gauge) manufacturing	2004.. 700 757	5
		2003.. 732 342	4
		2002.. 682 657	X
3326111	Hot formed steel springs, except wire	2004.. 377 200	8
		2003.. 396 088	5
		2002.. 354 892	X
3326113	Cold formed steel springs, except wire	2004.. 283 321	7
		2003.. 294 448	8
		2002.. 299 185	X
332611W	Spring (heavy gauge) manufacturing, nsk, total	2004.. 40 237	8
		2003.. 41 807	8
		2002.. 28 580	X
332612	Spring (light gauge) manufacturing	2004.. 2 084 238	3
		2003.. 2 099 121	3
		2002.. 2 183 985	X
3326122	Precision mechanical wire springs	2004.. 869 851	3
		2003.. 834 091	7
		2002.. 841 680	X
3326124	Other wire springs	2004.. 1 140 289	4
		2003.. 1 180 053	2
		2002.. 1 267 766	X
332612W	Spring (light gauge) manufacturing, nsk, total	2004.. 74 098	28
		2003.. 84 977	19
		2002.. 74 539	X
332618	Other fabricated wire product manufacturing	2004.. 5 557 699	2
		2003.. 5 428 729	2
		2002.. 5 372 101	X
3326181	Noninsulated ferrous wire rope, cable, forms, and strand, made from purchased wire	2004.. 607 288	6
		2003.. 573 304	4
		2002.. 535 295	X
3326182	Other fabricated wire products, made from purchased wire	2004.. 326 974	9
		2003.. 297 802	8
		2002.. 245 286	X
3326183	Ferrous wire cloth and other ferrous woven wire products, made from purchased wire	2004.. 153 262	7
		2003.. 144 040	17
		2002.. 154 823	X
3326185	Nonferrous wire cloth and other nonferrous woven wire products, made from purchased wire	2004.. 54 202	4
		2003.. 76 484	15
		2002.. 64 554	X
3326187	Steel fencing and fence gates, made from purchased wire	2004.. 336 778	9
		2003.. 238 015	9
		2002.. 227 723	X
3326189	Steel nails, staples, tacks, spikes, and brads, made from purchased wire	2004.. 360 437	2
		2003.. 355 293	1
		2002.. 374 374	X
332618B	Other ferrous wire products (excluding springs), made from purchased wire	2004.. 2 657 105	3
		2003.. 2 553 462	3
		2002.. 2 654 956	X
332618W	Other fabricated wire product manufacturing, nsk, total	2004.. 1 061 653	10
		2003.. 1 190 329	7
		2002.. 1 115 090	X
332710	Machine shops	2004.. 26 895 376	2
		2003.. 24 463 853	2
		2002.. 24 500 204	X
3327100	Receipts for machine shop job work and job order repairs	2004.. 26 895 376	2
		2003.. 24 463 853	2
		2002.. 24 500 204	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332721	Precision turned product manufacturing	2004..	8 761 352	2
		2003..	8 299 390	3
		2002..	8 415 057	X
3327211	Precision turned products, automotive	2004..	1 993 430	2
		2003..	2 244 543	3
		2002..	2 123 318	X
3327215	Precision turned products (made on CNC equipment or screw machines), except automotive	2004..	5 595 467	3
		2003..	5 049 674	3
		2002..	4 294 663	X
332721W	Precision turned product manufacturing, nsk, total	2004..	1 172 455	13
		2003..	1 005 173	16
		2002..	1 997 076	X
332722	Bolt, nut, screw, rivet, and washer manufacturing	2004..	7 437 592	2
		2003..	6 945 449	2
		2002..	7 204 158	X
3327221	Aircraft fasteners, except plastics (including aerospace) (meet specifications for flying vehicles)	2004..	1 250 314	6
		2003..	1 112 800	7
		2002..	1 204 835	X
3327223	Externally threaded metal fasteners (except aircraft types)	2004..	3 073 211	2
		2003..	2 674 248	2
		2002..	2 848 476	X
3327225	Internally threaded metal fasteners (except aircraft types)	2004..	713 860	4
		2003..	618 039	8
		2002..	631 713	X
3327227	Nonthreaded metal fasteners (except aircraft types)	2004..	941 444	5
		2003..	1 101 904	4
		2002..	940 697	X
332722A	Products (except fasteners), made by cold-heading (or warm- or hot-heading) processes	2004..	789 278	4
		2003..	912 761	3
		2002..	1 013 797	X
332722W	Bolt, nut, screw, rivet, and washer manufacturing, nsk, total	2004..	669 485	13
		2003..	525 698	7
		2002..	564 640	X
332811	Metal heat treating	2004..	3 373 790	2
		2003..	3 347 813	7
		2002..	3 502 587	X
3328110	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.)	2004..	3 373 790	2
		2003..	3 347 813	7
		2002..	3 502 587	X
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers	2004..	10 661 110	2
		2003..	9 312 604	1
		2002..	9 572 420	X
3328120	Metal coating, engraving, and allied services	2004..	10 661 110	2
		2003..	9 312 604	1
		2002..	9 572 420	X
332813	Electroplating, plating, polishing, anodizing, and coloring	2004..	5 987 626	1
		2003..	5 684 932	2
		2002..	5 824 106	X
3328130	Electroplating, plating, polishing, anodizing, and coloring	2004..	5 987 626	1
		2003..	5 684 932	2
		2002..	5 824 106	X
332911	Industrial valve manufacturing	2004..	7 671 983	1
		2003..	7 646 357	1
		2002..	8 015 893	X
3329111	Gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	2004..	1 334 203	5
		2003..	1 248 067	3
		2002..	1 409 810	X
3329113	Industrial valves for water works and municipal equipment (IBBM, AWWA, and UL)	2004..	1 261 066	1
		2003..	1 091 932	1
		2002..	1 024 799	X
3329115	Industrial ball valves (all metals, pressures, and types), including manual and power-operated, on-off valves	2004..	1 094 890	1
		2003..	1 155 601	1
		2002..	1 090 675	X
3329117	Industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves	2004..	433 072	4
		2003..	483 763	3
		2002..	543 614	X
3329119	Industrial plug valves (all metals, pressures, and types), including lubricated, cylindrical eccentric, and sleeve-lined	2004..	199 168	12
		2003..	231 833	1
		2002..	275 503	X
332911B	All other miscellaneous industrial valves	2004..	884 488	3
		2003..	923 228	6
		2002..	969 832	X
332911D	Nuclear valves (N-stamp only)	2004..	87 347	5
		2003..	108 683	1
		2002..	72 502	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332911	Industrial valve manufacturing—Con.		
332911F	Automatic regulating and control valves and parts (except nuclear), power-operated, designed for modulating (throttling) service ²	2004.. 1 696 640 2003.. 1 798 801 2002.. 1 958 663	1 2 X
332911H	Solenoid-operated valves and parts, except nuclear and fluid power transfer ²	2004.. 351 060 2003.. 331 233 2002.. 319 684	3 3 X
332911W	Industrial valve manufacturing, nsk, total	2004.. 330 049 2003.. 273 218 2002.. 350 811	3 3 X
332912	Fluid power valve and hose fitting manufacturing	2004.. 6 707 516 2003.. 6 019 409 2002.. 5 867 537	2 1 X
3329121	Aerospace type hydraulic fluid power valves ²	2004.. 668 566 2003.. 681 377 2002.. 721 391	4 3 X
3329123	Aerospace type pneumatic fluid power valves ²	2004.. 695 525 2003.. 615 059 2002.. 622 988	1 1 X
3329125	Nonaerospace type hydraulic directional control valves ²	2004.. 399 744 2003.. 466 620 2002.. 424 685	5 6 X
3329127	Nonaerospace type hydraulic valves, except directional control ²	2004.. 774 632 2003.. 598 763 2002.. 574 271	12 2 X
3329129	Nonaerospace type pneumatic directional control valves ²	2004.. 453 934 2003.. 451 939 2002.. 492 388	1 4 X
332912B	Nonaerospace type pneumatic valves, except directional control ²	2004.. 189 509 2003.. 181 864 2002.. 142 130	10 2 X
332912D	Parts for fluid power valves ²	2004.. 214 658 2003.. 217 664 2002.. 164 270	2 12 X
332912F	Aerospace type hydraulic and pneumatic fluid power hose or tube end fittings and assemblies ²	2004.. 698 621 2003.. 581 379 2002.. 612 388	1 3 X
332912H	Nonaerospace type flared (metal) fittings, couplings, and assemblies of tubing used in fluid power transfer systems ²	2004.. 403 065 2003.. 378 425 2002.. 365 723	1 2 X
332912J	Nonaerospace type flareless fittings and couplings, including nonmetal fittings, used in fluid power transfer systems ²	2004.. 650 605 2003.. 580 608 2002.. 536 414	3 1 X
332912L	Nonaerospace type hydraulic and pneumatic fittings and couplings for hose ²	2004.. 917 869 2003.. 701 615 2002.. 717 535	9 3 X
332912N	Nonaerospace type hydraulic and pneumatic assemblies of hose ²	2004.. 409 098 2003.. 313 588 2002.. 288 738	4 1 X
332912W	Fluid power valve and hose fitting manufacturing, nsk, total	2004.. 231 688 2003.. 250 507 2002.. 204 616	39 5 X
332913	Plumbing fixture fitting and trim manufacturing	2004.. 3 290 916 2003.. 3 013 642 2002.. 3 138 725	6 2 X
3329131	Single lever plumbing fixture controls, two and three handle bath and shower fittings, and antiscaid bath or shower valves (brass goods)	2004.. 1 192 963 2003.. 1 151 735 2002.. 1 144 127	3 1 X
3329133	Lavatory and sink fittings (except single control), including drains and overflows (brass goods)	2004.. 769 589 2003.. 563 231 2002.. 544 718	19 3 X
3329138	Miscellaneous plumbing fixtures, fittings, and trim (brass goods)	2004.. 1 168 117 2003.. 1 102 555 2002.. 1 193 885	6 5 X
332913W	Plumbing fixture fitting and trim manufacturing, nsk, total	2004.. 160 249 2003.. 196 121 2002.. 255 995	52 22 X
332919	Other metal valve and pipe fitting manufacturing	2004.. 2 710 060 2003.. 2 762 496 2002.. 2 698 448	6 3 X
3329191	Plumbing and heating valves and specialties, except plumbers' brass goods	2004.. 554 735 2003.. 585 331 2002.. 553 253	5 3 X
3329194	Metal fittings, flanges, and unions for piping systems	2004.. 1 983 178 2003.. 1 843 842 2002.. 1 791 819	4 4 X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332919	Other metal valve and pipe fitting manufacturing—Con.	2004..	172 148	71
332919W	Other metal valve and pipe fitting manufacturing, nsk, total	2003..	333 323	12
		2002..	353 376	X
332991	Ball and roller bearing manufacturing	2004..	6 020 505	1
		2003..	5 629 575	1
		2002..	5 680 889	X
3329911	Ball bearings, complete, unmounted ²	2004..	1 983 292	3
		2003..	1 911 716	2
		2002..	1 977 805	X
3329913	Tapered roller bearings (including cups and cones), unmounted ²	2004..	1 819 122	1
		2003..	1 523 137	1
		2002..	1 475 464	X
3329915	Other roller bearings, unmounted ²	2004..	1 006 924	4
		2003..	1 045 775	1
		2002..	1 049 849	X
3329917	Mounted bearings (except plain) ²	2004..	530 100	2
		2003..	494 403	2
		2002..	482 840	X
3329919	Parts and components for ball and roller bearings (including balls and rollers), sold separately (excluding cups and cones) ²	2004..	624 730	2
		2003..	588 709	1
		2002..	624 222	X
332991W	Ball and roller bearing manufacturing, nsk, total	2004..	56 337	86
		2003..	65 834	1
		2002..	70 709	X
332992	Small arms ammunition manufacturing	2004..	1 101 777	1
		2003..	998 406	1
		2002..	889 841	X
3329920	Small arms ammunition	2004..	1 101 777	1
		2003..	998 406	1
		2002..	889 841	X
332993	Ammunition (except small arms) manufacturing	2004..	1 143 590	7
		2003..	854 858	2
		2002..	798 819	X
3329931	Artillery ammunition (more than 30 mm, more than 1.18 in.)	2004..	474 155	12
		2003..	448 126	4
		2002..	460 977	X
3329933	All other miscellaneous ammunition (except for small arms)	2004..	662 625	9
		2003..	431 526	1
		2002..	332 492	X
332993W	Ammunition (except small arms) manufacturing, nsk, total	2004..	6 810	5
		2003..	5 207	1
		2002..	5 350	X
332994	Small arms manufacturing	2004..	1 703 668	2
		2003..	1 615 339	2
		2002..	1 566 473	X
3329941	Machine guns (30 mm or less, 1.18 in. or less)	2004..	D	S
		2003..	D	S
		2002..	D	X
3329944	Small arms (30 mm or less, 1.18 in. or less)	2004..	D	S
		2003..	D	S
		2002..	D	X
332994W	Small arms manufacturing, nsk, total	2004..	70 786	3
		2003..	57 523	17
		2002..	68 061	X
332995	Other ordnance and accessories manufacturing	2004..	1 423 483	1
		2003..	1 429 420	1
		2002..	1 345 928	X
3329951	Guns, howitzers, mortars, turrets, parts, and other related equipment (more than 30 mm (1.18 in.))	2004..	742 750	1
		2003..	859 203	2
		2002..	739 881	X
3329952	All other miscellaneous ordnance and accessories, including rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc. (including parts)	2004..	654 697	2
		2003..	550 565	1
		2002..	583 556	X
332995W	Other ordnance and accessories manufacturing, nsk, total	2004..	26 036	1
		2003..	19 653	2
		2002..	22 491	X
332996	Fabricated pipe and pipe fitting manufacturing	2004..	3 691 295	3
		2003..	3 459 823	4
		2002..	3 637 487	X
3329960	Fabricated pipe and pipe fittings made from purchased pipe	2004..	3 691 295	3
		2003..	3 459 823	4
		2002..	3 637 487	X
332997	Industrial pattern manufacturing	2004..	566 745	5
		2003..	577 185	5
		2002..	614 709	X
3329970	Industrial patterns	2004..	566 745	5
		2003..	577 185	5
		2002..	614 709	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332998	Enameled iron and metal sanitary ware manufacturing	2004..	1 222 194	3
		2003..	1 170 468	2
		2002..	1 197 439	X
3329980	Enameled iron and metal sanitary ware	2004..	1 222 194	3
		2003..	1 170 468	2
		2002..	1 197 439	X
332999	All other miscellaneous fabricated metal product manufacturing	2004..	12 001 164	3
		2003..	11 728 988	2
		2002..	11 666 547	X
3329992	Converted unmounted aluminum foil packaging products	2004..	804 136	4
		2003..	770 613	3
		2002..	736 476	X
3329995	Miscellaneous machinery products	2004..	1 144 805	6
		2003..	1 399 257	5
		2002..	1 327 506	X
3329997	Fabricated metal collapsible tubes	2004..	60 365	9
		2003..	69 753	11
		2002..	72 277	X
3329999	Flat metal strapping	2004..	327 282	14
		2003..	377 582	1
		2002..	395 971	X
332999B	Metal ladders	2004..	364 777	14
		2003..	337 637	1
		2002..	338 749	X
332999H	All other miscellaneous fabricated metal products	2004..	6 481 838	4
		2003..	5 572 103	3
		2002..	5 582 181	X
332999W	All other miscellaneous fabricated metal product manufacturing, nsk, total	2004..	2 817 959	10
		2003..	3 202 044	3
		2002..	3 213 387	X
333111	Farm machinery and equipment manufacturing	2004..	16 197 290	1
		2003..	14 518 306	2
		2002..	13 730 595	X
3331111	Farm-type (power take-off hp) wheel tractors (2- and 4-wheel drive) (sold with or without attachments) ²	2004..	D	S
		2003..	3 662 711	2
		2002..	3 662 954	X
3331114	Farm dairy equipment, sprayers and dusters (except aerial types), farm blowers, and attachments ²	2004..	D	S
		2003..	790 904	12
		2002..	662 506	X
3331117	Planting, seeding, and fertilizing machinery and attachments, excluding turf machinery ²	2004..	1 024 508	2
		2003..	903 128	3
		2002..	786 340	X
3331119	Harvesting machinery (except hay and straw) and attachments ²	2004..	2 397 709	2
		2003..	1 868 960	3
		2002..	1 809 554	X
333111A	Haying machinery and attachments ²	2004..	1 068 805	1
		2003..	1 187 575	1
		2002..	919 706	X
333111C	Parts for farm machinery, for sale separately ²	2004..	1 505 878	3
		2003..	1 363 846	8
		2002..	1 461 569	X
333111E	Farm plows (including plowshares, primary tillage), harrows, rollers, pulverizers, and cultivators and weeders, and attachments ²	2004..	442 646	3
		2003..	307 462	6
		2002..	346 152	X
333111G	All other farm machinery and equipment (excluding parts), including attachments ²	2004..	2 109 022	3
		2003..	2 123 686	6
		2002..	2 001 275	X
333111J	Commercial turf and grounds care equipment, including parts and attachments ²	2004..	1 891 857	1
		2003..	1 682 458	3
		2002..	1 551 951	X
333111W	Farm machinery and equipment manufacturing, nsk, total	2004..	625 353	1
		2003..	627 577	2
		2002..	528 588	X
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	2004..	6 890 107	1
		2003..	7 457 911	1
		2002..	6 475 889	X
3331121	Consumer nonriding lawn, garden, and snow equipment ²	2004..	3 274 826	3
		2003..	3 249 012	1
		2002..	2 809 875	X
3331123	Consumer riding lawn, garden, and snow equipment ²	2004..	2 609 480	1
		2003..	3 276 194	3
		2002..	2 827 539	X
3331127	Parts and attachments for consumer lawn, garden, and snow equipment ²	2004..	872 142	3
		2003..	841 815	1
		2002..	748 915	X
333112W	Lawn and garden tractor and home lawn and garden equipment manufacturing, nsk, total	2004..	133 660	1
		2003..	90 889	10
		2002..	89 560	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333120	Construction machinery manufacturing	2004..	22 858 280	1
		2003..	17 825 545	1
		2002..	16 580 139	X
3331201	Power cranes, excavation loaders, dozers, construction tractors, off-highway trucks and trailers, mixers, pavers, backhoes, and related equipment ²	2004..	16 636 989	1
		2003..	13 046 359	1
		2002..	12 008 630	X
3331208	Other construction machinery and equipment (excluding parts)	2004..	1 911 561	2
		2003..	1 644 521	4
		2002..	1 733 086	X
3331209	Parts for construction machinery and equipment, sold separately	2004..	3 712 708	1
		2003..	2 542 724	1
		2002..	2 269 625	X
333120W	Construction machinery manufacturing, nsk, total	2004..	597 022	3
		2003..	591 940	16
		2002..	568 798	X
333131	Mining machinery and equipment manufacturing	2004..	2 691 490	2
		2003..	2 057 702	1
		2002..	1 954 137	X
3331311	Underground mining machinery (except parts sold separately) ²	2004..	446 388	5
		2003..	411 727	2
		2002..	476 036	X
3331313	Mineral processing and beneficiation machinery (except parts sold separately)	2004..	D	S
		2003..	D	S
		2002..	D	X
3331315	Crushing, pulverizing, and screening machinery (except parts sold separately and portable crushing, screening, washing and combination plants) ²	2004..	347 012	7
		2003..	277 254	2
		2002..	242 615	X
3331317	Drills and other mining machinery (except parts sold separately) ²	2004..	D	S
		2003..	D	S
		2002..	D	X
3331319	Parts and attachments for mining machinery and equipment (sold separately)	2004..	930 745	2
		2003..	747 303	2
		2002..	635 535	X
333131W	Mining machinery and equipment manufacturing, nsk, total	2004..	132 218	22
		2003..	164 902	6
		2002..	166 312	X
333132	Oil and gas field machinery and equipment manufacturing	2004..	6 238 793	2
		2003..	5 204 206	3
		2002..	4 944 668	X
3331321	Rotary oil and gas field drilling machinery and equipment	2004..	1 810 928	4
		2003..	1 451 542	3
		2002..	1 367 421	X
3331323	Other oil and gas field drilling machinery and equipment	2004..	984 523	3
		2003..	688 437	11
		2002..	771 470	X
3331325	Oil and gas field production machinery and equipment (except pumps)	2004..	2 310 130	2
		2003..	2 070 808	4
		2002..	1 881 922	X
3331327	Portable drilling rigs and parts (above ground) ²	2004..	580 818	7
		2003..	476 780	7
		2002..	400 867	X
3331329	Oil and gas field derricks and well surveying machinery	2004..	111 872	8
		2003..	109 092	7
		2002..	103 898	X
333132W	Oil and gas field machinery and equipment manufacturing, nsk, total	2004..	440 521	25
		2003..	407 547	6
		2002..	419 090	X
333210	Sawmill and woodworking machinery manufacturing	2004..	932 302	5
		2003..	865 088	4
		2002..	859 838	X
3332103	Woodworking machinery, including parts, attachments, and accessories	2004..	792 043	5
		2003..	731 375	4
		2002..	726 620	X
3332105	Woodworking machinery for home workshops, garages, and service shops (excluding chainsaws and other power-driven handtools)	2004..	45 016	52
		2003..	72 134	2
		2002..	66 530	X
333210W	Sawmill and woodworking machinery manufacturing, nsk, total	2004..	95 243	10
		2003..	61 579	8
		2002..	66 688	X
333220	Plastics and rubber industry machinery manufacturing	2004..	2 676 891	5
		2003..	2 420 712	3
		2002..	2 668 687	X
3332201	Plastics-working machinery and equipment, excluding patterns and molds	2004..	2 379 620	3
		2003..	2 156 507	2
		2002..	2 303 059	X
3332203	Rubber-working machinery and equipment, excluding tire molds	2004..	146 227	19
		2003..	155 507	22
		2002..	231 301	X
333220W	Plastics and rubber industry machinery manufacturing, nsk, total	2004..	151 044	66
		2003..	108 698	18
		2002..	134 327	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333291	Paper industry machinery manufacturing	2004..	1 676 570	6
		2003..	1 764 331	4
		2002..	1 597 617	X
3332911	Paper industry machinery	2004..	959 342	8
		2003..	958 769	5
		2002..	833 516	X
3332913	Parts and attachments for paper industry machinery (sold separately)	2004..	638 758	5
		2003..	651 380	10
		2002..	585 957	X
333291W	Paper industry machinery manufacturing, nsk, total	2004..	78 469	80
		2003..	154 182	7
		2002..	178 144	X
333292	Textile machinery manufacturing	2004..	737 816	6
		2003..	782 649	5
		2002..	806 386	X
3332921	Textile machinery (except parts, attachments, and accessories)	2004..	447 970	7
		2003..	459 835	7
		2002..	501 013	X
3332923	Parts and attachments for textile machinery	2004..	251 679	8
		2003..	288 149	6
		2002..	269 175	X
333292W	Textile machinery manufacturing, nsk, total	2004..	38 167	44
		2003..	34 665	13
		2002..	36 198	X
333293	Printing machinery and equipment manufacturing	2004..	2 640 996	2
		2003..	2 538 305	3
		2002..	2 715 551	X
3332931	Printing presses, offset lithographic	2004..	502 699	7
		2003..	406 487	4
		2002..	377 997	X
3332933	Printing presses, other than lithographic	2004..	389 575	6
		2003..	286 873	8
		2002..	347 314	X
3332935	Typesetting machinery, excluding justifying typewriters	2004..	545	1
		2003..	800	1
		2002..	D	X
3332937	Binding machinery and equipment (including paper cutting, collating, and gathering machines)	2004..	320 937	6
		2003..	285 233	5
		2002..	D	X
3332939	All other miscellaneous printing trades machinery	2004..	1 161 820	2
		2003..	1 292 113	4
		2002..	1 452 066	X
333293W	Printing machinery and equipment manufacturing, nsk, total	2004..	265 420	13
		2003..	266 799	15
		2002..	280 617	X
333294	Food product machinery manufacturing	2004..	2 858 184	3
		2003..	2 654 963	2
		2002..	2 583 418	X
3332941	Dairy and milk products plant machinery and equipment (except bottling and packaging)	2004..	442 252	14
		2003..	360 628	6
		2002..	372 700	X
3332943	Commercial food products machinery (except packaging machinery and food cooking and warming equipment)	2004..	1 056 285	3
		2003..	1 057 338	3
		2002..	991 450	X
3332945	Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal and fowl feed	2004..	1 116 511	3
		2003..	963 835	3
		2002..	966 491	X
333294W	Food product machinery manufacturing, nsk, total	2004..	243 135	10
		2003..	273 161	9
		2002..	252 777	X
333295	Semiconductor machinery manufacturing	2004..	12 070 752	1
		2003..	9 877 736	1
		2002..	10 873 552	X
3332950	Semiconductor manufacturing equipment (except furnaces and ovens, instruments, and photographic)	2004..	12 070 752	1
		2003..	9 877 736	1
		2002..	10 873 552	X
333298	All other industrial machinery manufacturing	2004..	6 812 794	3
		2003..	6 677 451	2
		2002..	7 100 484	X
3332981	Chemical manufacturing machinery, equipment, and parts	2004..	1 087 363	5
		2003..	1 265 051	5
		2002..	1 376 444	X
3332983	Foundry machinery and equipment, excluding patterns and molds	2004..	370 792	7
		2003..	403 356	6
		2002..	387 893	X
3332985	Printed circuit board manufacturing machinery, except testing	2004..	727 379	2
		2003..	695 057	2
		2002..	978 179	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333298	All other industrial machinery manufacturing—Con.			
3332987	All other miscellaneous special industry machinery and equipment ²	2004..	4 115 425	4
		2003..	3 750 813	3
		2002..	3 734 971	X
333298W	All other industrial machinery manufacturing, nsk, total	2004..	511 836	23
		2003..	563 175	7
		2002..	622 997	X
333311	Automatic vending machine manufacturing	2004..	1 030 268	1
		2003..	1 136 801	3
		2002..	1 326 091	X
3333111	Automatic merchandising machines, coin-operated (vending) (excluding money changing machines and coin-operated mechanisms)	2004..	694 281	1
		2003..	801 263	2
		2002..	824 047	X
3333113	Automatic merchandising machines, coin-operated mechanisms, including time switches	2004..	78 644	14
		2003..	95 289	9
		2002..	124 903	X
3333114	Currency handling machines, including money changing and dispensing machines	2004..	193 729	4
		2003..	174 292	14
		2002..	317 889	X
333311W	Automatic vending machine manufacturing, nsk, total	2004..	63 614	1
		2003..	65 957	1
		2002..	59 252	X
333312	Commercial laundry, drycleaning, and pressing machine manufacturing	2004..	587 453	5
		2003..	552 082	1
		2002..	543 354	X
3333120	Commercial laundry, drycleaning, and pressing machines	2004..	587 453	5
		2003..	552 082	1
		2002..	543 354	X
333313	Office machinery manufacturing	2004..	1 902 627	2
		2003..	1 825 018	3
		2002..	2 507 486	X
3333131	Automatic typing and word processing machines, including parts and attachments ²	2004..	25 566	10
		2003..	17 691	1
		2002..	D	X
3333137	Duplicating machines, except parts and attachments ²	2004..	54 993	1
		2003..	38 984	1
		2002..	D	X
333313A	Mailing, letter handling, and addressing machines, except parts and attachments ²	2004..	1 066 299	1
		2003..	1 158 975	3
		2002..	2 044 821	X
333313E	Other electric office machines, including electric pencil sharpeners and electric staplers ²	2004..	90 650	24
		2003..	117 731	1
		2002..	77 721	X
333313H	Other office machinery manufacturing ²	2004..	157 293	1
		2003..	176 546	17
		2002..	85 316	X
333313J	All other miscellaneous parts and attachments for office machines ²	2004..	330 423	4
		2003..	253 819	9
		2002..	166 326	X
333313W	Office machinery manufacturing, nsk, total	2004..	177 403	21
		2003..	61 273	14
		2002..	64 316	X
333314	Optical instrument and lens manufacturing	2004..	3 136 159	2
		2003..	3 061 360	3
		2002..	2 843 439	X
3333141	Sighting, tracking, and fire-control equipment, optical-type ²	2004..	825 860	6
		2003..	785 210	4
		2002..	703 108	X
3333143	All other miscellaneous optical instruments and lenses ²	2004..	2 135 143	2
		2003..	1 913 401	3
		2002..	1 920 209	X
333314W	Optical instrument and lens manufacturing, nsk, total	2004..	175 156	19
		2003..	362 749	23
		2002..	220 122	X
333315	Photographic and photocopying equipment manufacturing	2004..	2 178 436	3
		2003..	2 157 211	3
		2002..	1 952 030	X
3333151	Still picture photographic equipment	2004..	669 988	1
		2003..	716 879	3
		2002..	673 368	X
3333153	Photocopying equipment, including diffusion transfer, dye transfer, electrostatic, light and heat sensitive types, etc.	2004..	794 310	4
		2003..	683 401	8
		2002..	591 676	X
3333155	Microfilming, blueprinting, and whiteprinting equipment	2004..	13 512	26
		2003..	22 830	2
		2002..	20 710	X
3333157	Motion picture equipment	2004..	456 884	5
		2003..	429 670	2
		2002..	386 057	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333315	Photographic and photocopying equipment manufacturing—Con.		
333315W	Photographic and photocopying equipment manufacturing, nsk, total	2004.. 243 742	21
		2003.. 304 433	4
		2002.. 280 219	X
333319	Other commercial and service industry machinery manufacturing	2004.. 10 803 863	1
		2003.. 10 196 506	2
		2002.. 10 372 363	X
3333191	Commercial cooking and food-warming equipment	2004.. 2 165 988	2
		2003.. 2 166 028	3
		2002.. 2 176 980	X
3333193	Commercial and industrial vacuum cleaners, including parts and attachments	2004.. 513 666	9
		2003.. 366 525	17
		2002.. 455 637	X
3333195	Automotive maintenance equipment, except handtools	2004.. 649 364	4
		2003.. 569 234	8
		2002.. 613 888	X
3333197	Electronic teaching machines, teaching aids, trainers, and simulators, including kits ²	2004.. 1 318 274	2
		2003.. 1 184 765	4
		2002.. 1 197 865	X
333319A	Miscellaneous machinery products (including flexible metal hose and tubing, metal bellows, etc.), except electrical	2004.. 5 587 428	1
		2003.. 5 369 256	2
		2002.. 5 321 824	X
333319W	Other commercial and service industry machinery manufacturing, nsk, total	2004.. 569 144	5
		2003.. 540 698	17
		2002.. 606 169	X
333411	Air purification equipment manufacturing	2004.. 1 983 348	3
		2003.. 2 081 614	3
		2002.. 2 038 235	X
3334111	Dust collection and other air purification equipment for industrial gas cleaning systems	2004.. 483 084	4
		2003.. 628 878	6
		2002.. 636 450	X
3334113	Dust collection and other air purification equipment for cleaning incoming air	2004.. 1 420 345	4
		2003.. 1 404 188	3
		2002.. 1 340 018	X
333411W	Air purification equipment manufacturing, nsk, total	2004.. 79 920	10
		2003.. 48 548	40
		2002.. 61 767	X
333412	Industrial and commercial fan and blower manufacturing	2004.. 1 538 179	4
		2003.. 1 645 929	6
		2002.. 1 718 368	X
3334120	Industrial and commercial fans and blowers	2004.. 1 538 179	4
		2003.. 1 645 929	6
		2002.. 1 718 368	X
333414	Heating equipment (except warm air furnaces) manufacturing	2004.. 4 203 703	2
		2003.. 3 931 160	2
		2002.. 3 902 373	X
3334141	Heating boilers, radiators, and convectors, cast iron, except parts	2004.. 725 907	7
		2003.. 705 990	1
		2002.. 689 301	X
3334143	Domestic heating stoves, except parts	2004.. 1 089 383	3
		2003.. 948 809	3
		2002.. 840 520	X
3334145	Heating boilers, steam and hot water, steel, 15 p.s.i. or less, except parts	2004.. 269 090	2
		2003.. 241 320	5
		2002.. 246 438	X
3334147	Furnaces (floor and wall), heaters (unit and infrared), and mechanical stokers (including parts)	2004.. 431 491	3
		2003.. 390 191	8
		2002.. 459 732	X
333414A	Heating equipment, other types (including parts for nonelectric heating equipment and oil burners) ²	2004.. 1 493 472	5
		2003.. 1 484 257	3
		2002.. 1 463 695	X
333414W	Heating equipment (except warm air furnaces) manufacturing, nsk, total	2004.. 194 359	7
		2003.. 160 593	15
		2002.. 202 687	X
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	2004.. 24 392 216	1
		2003.. 23 628 267	1
		2002.. 23 207 140	X
3334152	Heat transfer equipment (except electrically operated dehumidifiers), mechanically refrigerated, self-contained, except motor vehicle mechanical air-conditioning systems ²	2004.. 4 887 214	2
		2003.. 4 872 847	3
		2002.. 4 974 576	X
3334153	Commercial refrigerators and related equipment ²	2004.. 2 732 529	2
		2003.. 2 695 094	2
		2002.. 2 786 744	X
3334155	Refrigeration condensing units, all refrigerants, except ammonia (complete) ²	2004.. 279 379	8
		2003.. 301 437	6
		2002.. 263 476	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing—Con.		
3334156	Room air-conditioners and dehumidifiers, except portable dehumidifiers ²	2004.. 684 955 2003.. 819 629 2002.. 856 518	1 1 X
3334159	All other miscellaneous refrigeration and air-conditioning equipment	2004.. 1 176 488 2003.. 1 037 226 2002.. 937 865	5 2 X
333415A	Compressors and compressor units, all refrigerants, except automotives ²	2004.. 2 764 436 2003.. 2 565 273 2002.. 2 357 125	7 1 X
333415C	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating ²	2004.. 2 275 351 2003.. 2 098 782 2002.. 1 975 140	2 2 X
333415D	Parts and accessories for air-conditioning and heat transfer equipment	2004.. 1 546 960 2003.. 1 503 218 2002.. 1 528 139	3 4 X
333415E	Unitary air-conditioners, except air source heat pumps ²	2004.. 5 740 933 2003.. 5 616 958 2002.. 5 486 374	2 1 X
333415F	Air source heat pumps, except room air-conditioners ²	2004.. 1 440 474 2003.. 1 189 101 2002.. 1 033 540	2 1 X
333415G	Ground and ground water source heat pumps ²	2004.. 116 514 2003.. 124 208 2002.. 126 830	27 25 X
333415W	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing, nsk, total	2004.. 746 983 2003.. 804 494 2002.. 880 813	9 4 X
333511	Industrial mold manufacturing	2004.. 5 258 193 2003.. 5 442 205 2002.. 5 743 454	2 2 X
3335110	Industrial molds and mold boxes	2004.. 5 258 193 2003.. 5 442 205 2002.. 5 743 454	2 2 X
333512	Machine tool (metal cutting types) manufacturing	2004.. 2 837 720 2003.. 2 488 060 2002.. 2 520 225	3 3 X
3335121	Metal gear cutting machines ²	2004.. 137 253 2003.. 109 716 2002.. 80 556	9 3 X
3335122	Metal grinding, polishing, buffing, honing, and lapping machines, except gear-tooth grinding, lapping, polishing, and buffing machines ²	2004.. 274 455 2003.. 209 348 2002.. 299 044	6 8 X
3335123	Metal lathes (turning machines) numerically and nonnumerically controlled ²	2004.. 273 290 2003.. 249 977 2002.. 192 946	17 21 X
3335124	Metal milling machines (excluding machining centers) ²	2004.. 70 388 2003.. 98 824 2002.. 51 269	5 3 X
3335125	Machine tools for home workshops, laboratories, garages, etc. (metalworking and primarily metalworking only)	2004.. 28 164 2003.. 25 575 2002.. 28 009	5 8 X
3335126	Parts for metal cutting-type machine tools (sold separately), including rebuilt and remanufactured metal cutting machine tools ²	2004.. 584 683 2003.. 492 088 2002.. 550 915	3 4 X
3335127	Metal machining centers (multifunction numerically controlled machines) ²	2004.. 607 145 2003.. 402 536 2002.. 387 065	2 5 X
3335128	Metal station type machines ²	2004.. 100 568 2003.. 164 880 2002.. 154 398	5 8 X
3335129	Other metal cutting machine tools (except those designed primarily for home workshops, laboratories, garages, etc.) ²	2004.. 470 597 2003.. 420 659 2002.. 455 966	8 7 X
333512A	Metal boring machines and drilling machines (excluding machining centers) ²	2004.. 117 231 2003.. 161 999 2002.. 142 487	7 5 X
333512W	Machine tool (metal cutting types) manufacturing, nsk, total	2004.. 173 946 2003.. 152 457 2002.. 177 570	13 19 X
333513	Machine tool (metal forming types) manufacturing	2004.. 1 138 443 2003.. 1 171 339 2002.. 1 163 449	5 3 X
3335131	Metal punching and shearing machines (including power and manual) and bending and forming machines (power only) ²	2004.. 371 062 2003.. 313 232 2002.. 363 536	7 6 X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333513	Machine tool (metal forming types) manufacturing—Con.		
3335133	Metalworking presses (except forging and die-stamping presses) ²	2004.. 168 332	14
		2003.. 183 185	10
		2002.. 183 333	X
3335135	Other metal forming machine tools, including forging and die-stamping machines (except metalworking presses) ²	2004.. 227 419	11
		2003.. 255 310	8
		2002.. 240 884	X
3335137	Parts for metal forming machine tools (sold separately), including rebuilt and remanufactured metal forming machine tools ²	2004.. 271 100	7
		2003.. 288 223	5
		2002.. 242 298	X
333513W	Machine tool (metal forming types) manufacturing, nsk, total	2004.. 100 531	38
		2003.. 131 390	9
		2002.. 133 398	X
333514	Special die and tool, die set, jig, and fixture manufacturing	2004.. 7 416 309	2
		2003.. 7 431 872	2
		2002.. 7 593 897	X
3335140	Special dies, tools, jigs, and fixtures	2004.. 7 416 309	2
		2003.. 7 431 872	2
		2002.. 7 593 897	X
333515	Cutting tool and machine tool accessory manufacturing	2004.. 4 243 559	2
		2003.. 4 158 617	2
		2002.. 4 515 287	X
3335151	Small cutting tools for machine tools and metalworking machinery	2004.. 2 613 408	2
		2003.. 2 609 576	1
		2002.. 2 877 384	X
3335153	Other attachments and accessories for machine tools and metalworking machinery	2004.. 1 015 418	3
		2003.. 926 644	5
		2002.. 1 003 773	X
333515W	Cutting tool and machine tool accessory manufacturing, nsk, total	2004.. 614 733	10
		2003.. 622 396	6
		2002.. 634 130	X
333516	Rolling mill machinery and equipment manufacturing	2004.. 443 602	2
		2003.. 481 900	2
		2002.. 487 870	X
3335161	Hot rolling mill machinery (including combination hot and cold) (except tube rolling)	2004.. 61 512	8
		2003.. 118 133	1
		2002.. 127 880	X
3335163	Cold rolling mill machinery	2004.. 67 464	8
		2003.. 76 583	2
		2002.. 67 462	X
3335165	Other rolling mill machinery (including tube mill machinery) and parts for all rolling mill machinery	2004.. 286 796	2
		2003.. 260 486	3
		2002.. 263 965	X
333516W	Rolling mill machinery and equipment manufacturing, nsk, total	2004.. 27 831	1
		2003.. 26 698	15
		2002.. 28 563	X
333518	Other metalworking machinery manufacturing	2004.. 2 569 222	8
		2003.. 2 417 968	2
		2002.. 2 635 123	X
3335181	Assembly machines	2004.. 1 829 761	11
		2003.. 1 711 984	2
		2002.. 1 849 015	X
3335183	Other metalworking machinery (except handheld and ultrasonic)	2004.. 595 061	6
		2003.. 591 297	4
		2002.. 656 518	X
333518W	Other metalworking machinery manufacturing, nsk, total	2004.. 144 400	4
		2003.. 114 687	3
		2002.. 129 590	X
333611	Turbine and turbine generator set units manufacturing	2004.. 7 070 392	1
		2003.. 13 523 432	1
		2002.. 13 276 992	X
3336110	Turbines, turbine generators, and turbine generator sets (including parts)	2004.. 7 070 392	1
		2003.. 13 523 432	1
		2002.. 13 276 992	X
333612	Speed changer, industrial high-speed drive, and gear manufacturing	2004.. 1 803 017	2
		2003.. 1 885 721	4
		2002.. 1 935 245	X
3336123	Gears	2004.. 660 753	2
		2003.. 625 097	4
		2002.. 615 241	X
3336127	Speed changers and industrial high-speed drives	2004.. 1 059 131	2
		2003.. 1 178 360	6
		2002.. 1 243 241	X
333612W	Speed changer, industrial high-speed drive, and gear manufacturing, nsk, total	2004.. 83 133	2
		2003.. 82 264	8
		2002.. 76 763	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333613	Mechanical power transmission equipment manufacturing.....	2004..	2 654 795	2
		2003..	2 392 604	2
		2002..	2 609 158	X
3336131	Plain bearings and bushings	2004..	468 699	4
		2003..	414 550	1
		2002..	484 529	X
3336133	Mechanical power transmission equipment, except speed changers, drives, and gears.....	2004..	2 177 168	2
		2003..	1 969 900	2
		2002..	2 119 434	X
333613W	Mechanical power transmission equipment manufacturing, nsk, total	2004..	8 928	4
		2003..	8 154	12
		2002..	5 195	X
333618	Other engine equipment manufacturing	2004..	22 722 278	1
		2003..	19 603 383	1
		2002..	18 360 263	X
3336181	Gasoline and gas-gasoline engines (except aircraft, automobile, highway truck, bus, tank, and outboard marine) ²	2004..	3 285 182	1
		2003..	2 929 731	2
		2002..	2 575 274	X
3336183	Diesel, semidiesel, and dual-fuel engines (except automobile, highway truck, bus, and tank) ²	2004..	2 883 275	1
		2003..	2 362 867	1
		2002..	2 491 594	X
3336185	Diesel, semidiesel, and dual-fuel engines for automobiles, highway trucks, and buses ²	2004..	8 980 993	1
		2003..	7 217 300	1
		2002..	5 915 792	X
3336189	Piston-type natural gas engines, including LPG (liquefied petroleum gas) engines (excluding gas turbines)	2004..	370 211	1
		2003..	326 874	17
		2002..	283 130	X
333618B	All other miscellaneous engine equipment.....	2004..	1 013 697	6
		2003..	1 018 092	9
		2002..	1 030 658	X
333618F	Parts and accessories for internal combustion engines, except aircraft and gas automotive engines and turbines	2004..	5 983 686	4
		2003..	5 484 370	2
		2002..	5 876 981	X
333618W	Other engine equipment manufacturing, nsk, total	2004..	205 234	1
		2003..	264 149	17
		2002..	186 834	X
333911	Pump and pumping equipment manufacturing	2004..	7 530 538	1
		2003..	7 305 297	1
		2002..	6 389 694	X
3339111	Pump and pumping equipment ²	2004..	5 944 581	1
		2003..	5 793 737	2
		2002..	5 034 104	X
3339115	Parts and attachments for pumps and pumping equipment (except hydraulic fluid power, and air and gas compressors), including locomotive and packaged pumps ²	2004..	1 211 730	2
		2003..	1 211 759	2
		2002..	1 054 291	X
333911W	Pump and pumping equipment manufacturing, nsk, total	2004..	374 227	9
		2003..	299 801	10
		2002..	301 299	X
333912	Air and gas compressor manufacturing	2004..	5 051 158	5
		2003..	4 397 252	5
		2002..	4 243 398	X
3339121	Air and gas compressors and vacuum pumps ²	2004..	2 827 079	9
		2003..	2 645 288	8
		2002..	2 621 884	X
3339125	Parts and attachments for air and gas compressors (except refrigeration, ice making, and air-conditioning equipment), including packaged compressors ²	2004..	765 178	2
		2003..	705 737	12
		2002..	592 670	X
3339127	Industrial spraying equipment	2004..	1 289 738	4
		2003..	823 229	8
		2002..	845 631	X
333912W	Air and gas compressor manufacturing, nsk, total	2004..	169 163	26
		2003..	222 998	16
		2002..	183 213	X
333913	Measuring and dispensing pump manufacturing	2004..	871 954	2
		2003..	904 473	1
		2002..	867 814	X
3339130	Measuring and dispensing pumps.....	2004..	871 954	2
		2003..	904 473	1
		2002..	867 814	X
333921	Elevator and moving stairway manufacturing	2004..	1 962 510	2
		2003..	1 930 382	3
		2002..	1 878 410	X
3339211	Elevators and moving stairways	2004..	1 553 930	3
		2003..	1 455 738	3
		2002..	1 494 911	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333921	Elevator and moving stairway manufacturing—Con.		
3339213	Parts and attachments for elevators and moving stairways (sold separately)	2004.. 340 615	5
		2003.. 407 514	8
		2002.. 319 591	X
333921W	Elevator and moving stairway manufacturing, nsk, total	2004.. 67 966	1
		2003.. 67 131	10
		2002.. 63 908	X
333922	Conveyor and conveying equipment manufacturing	2004.. 5 044 416	5
		2003.. 4 846 272	2
		2002.. 4 997 700	X
3339221	Unit handling conveyors and conveying systems, except hoists and farm elevators	2004.. 2 298 837	10
		2003.. 2 268 653	3
		2002.. 2 170 057	X
3339223	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately)	2004.. 230 411	5
		2003.. 244 280	8
		2002.. 229 482	X
3339228	Bulk material handling conveyors and conveying systems, except hoists and farm elevators ²	2004.. 1 495 017	5
		2003.. 1 468 963	3
		2002.. 1 615 263	X
3339229	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately)	2004.. 565 265	3
		2003.. 503 433	6
		2002.. 571 327	X
333922W	Conveyor and conveying equipment manufacturing, nsk, total	2004.. 454 887	16
		2003.. 360 944	9
		2002.. 411 571	X
333923	Overhead traveling crane, hoist, and monorail system manufacturing	2004.. 3 018 437	3
		2003.. 2 872 503	2
		2002.. 3 011 424	X
3339231	Hoists	2004.. 483 015	2
		2003.. 405 118	4
		2002.. 455 161	X
3339233	Overhead traveling cranes and monorail systems	2004.. 359 484	9
		2003.. 456 348	6
		2002.. 443 862	X
3339237	Winches, aerial work platforms, and automotive wrecker hoists ²	2004.. 2 094 566	4
		2003.. 1 877 919	2
		2002.. 2 047 903	X
333923W	Overhead traveling crane, hoist, and monorail system manufacturing, nsk, total	2004.. 81 372	34
		2003.. 133 118	6
		2002.. 64 498	X
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing	2004.. 6 679 362	1
		2003.. 5 679 148	2
		2002.. 5 105 899	X
3339242	Industrial trucks, tractors, mobile straddle carriers and cranes, and automatic stacking machines	2004.. 5 595 580	1
		2003.. 4 678 620	2
		2002.. 3 965 772	X
3339243	Parts and attachments for industrial trucks and tractors (sold separately)	2004.. 891 013	4
		2003.. 828 966	3
		2002.. 1 001 330	X
333924W	Industrial truck, tractor, trailer, and stacker machinery manufacturing, nsk, total	2004.. 192 769	7
		2003.. 171 562	6
		2002.. 138 797	X
333991	Power-driven handtool manufacturing	2004.. 2 703 950	2
		2003.. 3 079 978	2
		2002.. 3 445 842	X
3339911	Power-driven handtools, pneumatic, hydraulic, and power-actuated	2004.. 1 011 878	3
		2003.. 1 074 422	3
		2002.. 1 085 869	X
3339913	Power-driven handtools, internal combustion engine driven (including parts)	2004.. 295 303	1
		2003.. 281 597	1
		2002.. 241 686	X
3339917	Power-driven handtools, battery-powered (cordless), including parts	2004.. 231 793	1
		2003.. 316 189	1
		2002.. 589 603	X
3339919	Power-driven handtools, electric (except battery-powered), including parts	2004.. 1 094 640	3
		2003.. 1 188 248	2
		2002.. 1 379 805	X
333991W	Power-driven handtool manufacturing, nsk, total	2004.. 70 336	1
		2003.. 219 522	29
		2002.. 148 879	X
333992	Welding and soldering equipment manufacturing	2004.. 3 953 866	2
		2003.. 3 719 615	2
		2002.. 3 535 187	X
3339921	Arc welding machines, components, and accessories (except electrodes), except stud welding equipment	2004.. 1 273 322	4
		2003.. 1 037 776	1
		2002.. 1 218 553	X
3339923	Arc welding electrodes, metal	2004.. 781 445	1
		2003.. 786 717	1
		2002.. 682 211	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333992	Welding and soldering equipment manufacturing—Con.	2004..	861 867	3
3339927	Resistance welders, components, accessories, and electrodes	2003..	900 915	4
		2002..	820 817	X
3339929	Gas welding and cutting equipment, parts, attachments, and accessories	2004..	367 010	6
		2003..	350 013	11
		2002..	311 733	X
333992A	Other welding equipment, components, and accessories (except arc, resistance, and gas welding equipment)	2004..	607 496	4
		2003..	571 772	3
		2002..	499 588	X
333992W	Welding and soldering equipment manufacturing, nsk, total	2004..	62 725	34
		2003..	72 422	18
		2002..	2 285	X
333993	Packaging machinery manufacturing	2004..	3 584 273	2
		2003..	3 904 596	3
		2002..	3 764 299	X
3339931	Packing, packaging, and bottling machinery (except parts)	2004..	2 754 651	2
		2003..	3 054 884	4
		2002..	3 004 546	X
3339935	Parts for packing, packaging, and bottling machinery	2004..	710 441	2
		2003..	713 915	4
		2002..	658 544	X
333993W	Packaging machinery manufacturing, nsk, total	2004..	119 181	51
		2003..	135 798	17
		2002..	101 209	X
333994	Industrial process furnace and oven manufacturing	2004..	1 440 822	4
		2003..	1 504 777	6
		2002..	1 521 064	X
3339940	Industrial furnaces and ovens, and electric industrial heating equipment	2004..	1 440 822	4
		2003..	1 504 777	6
		2002..	1 521 064	X
333995	Fluid power cylinder and actuator manufacturing	2004..	3 444 020	3
		2003..	3 274 052	2
		2002..	3 124 019	X
3339951	Nonaerospace type hydraulic fluid power cylinders and actuators, linear and rotary ²	2004..	1 151 757	2
		2003..	1 061 456	3
		2002..	962 343	X
3339953	Nonaerospace type pneumatic fluid power cylinders and actuators, linear and rotary ²	2004..	508 923	3
		2003..	556 839	1
		2002..	545 716	X
3339955	Parts for nonaerospace type hydraulic and pneumatic fluid power cylinders and actuators, including accumulators, cushions, etc. ²	2004..	589 136	8
		2003..	450 713	3
		2002..	413 513	X
3339957	Aerospace type fluid power cylinders and actuators, hydraulic and pneumatic ²	2004..	1 071 176	4
		2003..	1 069 007	3
		2002..	1 002 645	X
333995W	Fluid power cylinder and actuator manufacturing, nsk, total	2004..	123 028	64
		2003..	136 037	25
		2002..	199 802	X
333996	Fluid power pump and motor manufacturing	2004..	2 936 580	3
		2003..	2 552 878	2
		2002..	2 413 938	X
3339961	Nonaerospace type reciprocating fluid power pumps ²	2004..	661 954	3
		2003..	542 659	1
		2002..	566 848	X
3339963	Nonaerospace type rotary and other fluid power pumps ²	2004..	590 275	6
		2003..	525 392	1
		2002..	504 654	X
3339965	Nonaerospace type fluid power motors ²	2004..	599 434	1
		2003..	540 702	1
		2002..	514 352	X
3339967	Aerospace type fluid power pumps and motors ²	2004..	249 655	6
		2003..	300 311	12
		2002..	252 051	X
3339969	Parts for fluid power pumps, motors, and hydrostatic transmissions ²	2004..	538 550	2
		2003..	564 494	3
		2002..	504 523	X
333996W	Fluid power pump and motor manufacturing, nsk, total	2004..	296 711	24
		2003..	79 320	3
		2002..	71 510	X
333997	Scale and balance (except laboratory) manufacturing	2004..	600 338	3
		2003..	661 129	4
		2002..	622 423	X
3339971	Vehicle and industrial scales	2004..	289 224	6
		2003..	302 285	5
		2002..	316 506	X
3339973	Retail, commercial, household, and mailing scales	2004..	157 623	2
		2003..	213 745	7
		2002..	195 336	X
3339975	Parts, attachments, and accessories for scales and balances, except laboratory	2004..	120 633	4
		2003..	112 001	2
		2002..	98 878	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333997	Scale and balance (except laboratory) manufacturing—Con.		
333997W	Scale and balance (except laboratory) manufacturing, nsk, total	2004.. 32 857	5
		2003.. 33 097	46
		2002.. 11 703	X
333999	All other miscellaneous general purpose machinery manufacturing	2004.. 8 680 558	4
		2003.. 8 578 144	3
		2002.. 8 835 114	X
3339991	Filters and strainers, except fluid power	2004.. 2 274 819	4
		2003.. 2 282 909	2
		2002.. 2 346 145	X
3339993	Filters for hydraulic fluid power systems, nonaerospace ²	2004.. 425 527	2
		2003.. 417 069	2
		2002.. 372 465	X
3339994	Filters for pneumatic fluid power systems, nonaerospace ²	2004.. 117 075	1
		2003.. 120 019	1
		2002.. 110 818	X
3339996	Filters for hydraulic and pneumatic fluid power systems, aerospace ²	2004.. 147 438	1
		2003.. 154 606	1
		2002.. 137 483	X
3339997	All other miscellaneous general industrial machinery ²	2004.. 3 407 095	2
		2003.. 3 261 769	4
		2002.. 3 244 366	X
333999A	All other miscellaneous machinery products, except electrical	2004.. 987 838	3
		2003.. 921 119	6
		2002.. 880 139	X
333999W	All other miscellaneous general purpose machinery manufacturing, nsk, total	2004.. 1 320 768	22
		2003.. 1 420 653	12
		2002.. 1 743 698	X
334111	Electronic computer manufacturing	2004.. 40 202 666	1
		2003.. 39 232 248	1
		2002.. 40 999 346	X
3341111	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, PC servers) ²	2004.. 12 944 601	1
		2003.. 12 405 880	1
		2002.. 12 975 408	X
3341117	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, portable computers) ²	2004.. 25 460 576	1
		2003.. 25 003 923	1
		2002.. 26 376 547	X
334111D	Other computers (array, analog, hybrid, and special-use computers) ²	2004.. 567 680	1
		2003.. 850 596	3
		2002.. 805 508	X
334111W	Electronic computer manufacturing, nsk, total	2004.. 1 229 809	1
		2003.. 971 849	2
		2002.. 841 883	X
334112	Computer storage device manufacturing	2004.. 6 632 690	2
		2003.. 7 332 790	2
		2002.. 7 628 413	X
3341121	Computer storage devices (except parts, attachments, and accessories) ²	2004.. 5 150 589	2
		2003.. 5 360 979	1
		2002.. 5 461 472	X
3341124	Parts, attachments, and accessories for computer storage devices ²	2004.. 1 113 275	1
		2003.. 1 199 464	1
		2002.. 1 686 810	X
334112W	Computer storage device manufacturing, nsk, total	2004.. 368 826	20
		2003.. 772 348	21
		2002.. 480 131	X
334113	Computer terminal manufacturing	2004.. 399 668	3
		2003.. 486 210	1
		2002.. 428 822	X
3341131	Computer terminals (except point-of-sale and funds-transfer devices, parts, attachments, and accessories) ²	2004.. 300 285	4
		2003.. 360 985	1
		2002.. 312 336	X
3341134	Parts, attachments, and accessories for computer terminals (except point-of-sale and funds-transfer devices) ²	2004.. 41 434	1
		2003.. 49 336	4
		2002.. 81 889	X
334113W	Computer terminal manufacturing, nsk, total	2004.. 57 949	1
		2003.. 75 888	7
		2002.. 34 597	X
334119	Other computer peripheral equipment manufacturing	2004.. 15 026 551	2
		2003.. 14 303 080	2
		2002.. 16 671 647	X
3341191	All other miscellaneous computer peripheral (input/output) equipment (except parts, attachments, and accessories) ²	2004.. 10 275 255	2
		2003.. 9 606 199	2
		2002.. 10 490 208	X
3341194	Parts, subassemblies, and accessories for computer peripheral equipment ²	2004.. 2 488 213	1
		2003.. 1 947 615	12
		2002.. 2 261 179	X
3341197	Point of sale terminals and fund-transfer devices. ²	2004.. 669 974	18
		2003.. 740 425	15
		2002.. 797 272	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

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Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334119	Other computer peripheral equipment manufacturing—Con.		
334119D	Parts and attachments for point of sale terminals and fund-transfer devices ²	2004.. 100 805	5
		2003.. 83 466	2
		2002.. 81 089	X
334119W	Other computer peripheral equipment manufacturing, nsk, total	2004.. 1 492 304	14
		2003.. 1 925 376	8
		2002.. 3 041 899	X
334210	Telephone apparatus manufacturing	2004.. 20 668 305	2
		2003.. 20 823 264	1
		2002.. 26 015 531	X
3342101	Telephone switching and switchboard equipment ²	2004.. 4 896 447	1
		2003.. 4 335 389	2
		2002.. 7 095 863	X
3342104	Telephone and telegraph (wire) apparatus, carrier line equipment (office and line repeaters and line terminating carrier equipment) and nonconsumer modems, including auxiliary sets ²	2004.. 3 061 752	3
		2003.. 3 077 555	1
		2002.. 4 162 776	X
3342107	Other telephone and telegraph (wire) apparatus, including telephone sets, telephone answering, and fax machines ²	2004.. 11 431 684	2
		2003.. 12 051 544	1
		2002.. 12 875 107	X
334210W	Telephone apparatus manufacturing, nsk, total	2004.. 1 278 422	17
		2003.. 1 358 775	17
		2002.. 1 881 785	X
334220	Radio and television broadcasting and wireless communications equipment manufacturing	2004.. 32 074 813	1
		2003.. 31 815 830	3
		2002.. 30 167 006	X
3342201	Communication systems and equipment, including microwave equipment, and space satellites (except broadcast) ²	2004.. 27 191 470	1
		2003.. 26 437 011	3
		2002.. 24 627 117	X
3342202	Broadcast, studio, and related electronic equipment ²	2004.. 2 606 573	2
		2003.. 2 800 323	5
		2002.. 3 202 941	X
334220W	Radio and television broadcasting and wireless communications equipment manufacturing, nsk, total	2004.. 2 276 771	12
		2003.. 2 578 496	3
		2002.. 2 336 948	X
334290	Other communications equipment manufacturing	2004.. 4 266 876	2
		2003.. 4 545 719	2
		2002.. 4 907 563	X
3342901	Alarm systems, including electric sirens and horns ²	2004.. 2 343 188	2
		2003.. 2 370 610	1
		2002.. 3 037 297	X
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments ²	2004.. 949 803	3
		2003.. 996 439	5
		2002.. 894 294	X
3342903	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph ²	2004.. 438 502	4
		2003.. 425 113	5
		2002.. 304 308	X
334290W	Other communications equipment manufacturing, nsk, total	2004.. 535 383	9
		2003.. 753 557	6
		2002.. 671 664	X
334310	Audio and video equipment manufacturing	2004.. 10 014 470	1
		2003.. 9 828 869	2
		2002.. 9 436 032	X
3343101	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations ²	2004.. 2 335 088	1
		2003.. 2 443 542	1
		2002.. 2 477 692	X
3343102	Television receivers, including combination models ²	2004.. 3 797 320	1
		2003.. 3 500 208	5
		2002.. 3 391 132	X
3343104	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment ²	2004.. 1 621 948	3
		2003.. 1 822 997	2
		2002.. 2 170 414	X
3343105	Other consumer audio and video equipment, including audio and video recorders and players (camcorders) ²	2004.. 1 561 509	3
		2003.. 1 516 082	6
		2002.. 1 016 296	X
334310W	Audio and video equipment manufacturing, nsk, total	2004.. 698 605	5
		2003.. 546 039	4
		2002.. 380 498	X
334411	Electron tube manufacturing	2004.. 1 790 646	1
		2003.. 2 311 469	1
		2002.. 3 248 301	X
3344111	Transmittal, industrial, and special-purpose electron tubes (except X-ray) ²	2004.. 599 443	1
		2003.. 633 699	1
		2002.. 584 845	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334411	Electron tube manufacturing—Con.		
3344114	Receiving-type electron tubes, including cathode ray (new and rebuilt) ²	2004.. 1 046 036	1
		2003.. 1 527 805	1
		2002.. 2 515 608	X
3344117	Electron tube parts ²	2004.. 78 589	10
		2003.. 78 211	5
		2002.. 87 642	X
334411W	Electron tube manufacturing, nsk, total	2004.. 66 578	1
		2003.. 71 754	1
		2002.. 60 206	X
334412	Bare printed circuit board manufacturing	2004.. 5 751 401	2
		2003.. 5 779 185	4
		2002.. 6 590 255	X
3344120	Bare printed circuit boards ²	2004.. 5 751 401	2
		2003.. 5 779 185	4
		2002.. 6 590 255	X
334413	Semiconductor and related device manufacturing	2004.. 71 406 538	1
		2003.. 65 226 909	1
		2002.. 59 658 662	X
3344131	Integrated microcircuits, including semiconductor networks, microprocessors, and MOS memories ²	2004.. 61 199 735	1
		2003.. 54 639 221	1
		2002.. 49 483 874	X
3344134	Transistors ²	2004.. 634 080	2
		2003.. 637 736	3
		2002.. 861 073	X
3344137	Diodes and rectifiers ²	2004.. 329 606	7
		2003.. 390 241	6
		2002.. 454 387	X
334413A	Other semiconductor devices, including semiconductor parts such as chips, wafers, and heat sinks ²	2004.. 7 849 659	4
		2003.. 7 319 348	2
		2002.. 6 836 388	X
334413W	Semiconductor and related device manufacturing, nsk, total	2004.. 1 393 458	20
		2003.. 2 240 363	1
		2002.. 2 022 940	X
334414	Electronic capacitor manufacturing	2004.. 1 149 279	3
		2003.. 1 237 650	4
		2002.. 1 365 970	X
3344140	Capacitors for electronic circuitry ²	2004.. 1 149 279	3
		2003.. 1 237 650	4
		2002.. 1 365 970	X
334415	Electronic resistor manufacturing	2004.. 778 374	2
		2003.. 682 624	2
		2002.. 681 181	X
3344150	Resistors for electronic circuitry ²	2004.. 778 374	2
		2003.. 682 624	2
		2002.. 681 181	X
334416	Electronic coil, transformer, and other inductor manufacturing	2004.. 1 202 279	3
		2003.. 1 186 313	3
		2002.. 1 174 227	X
3344160	Electronic coils, transformers, and other inductors ²	2004.. 1 202 279	3
		2003.. 1 186 313	3
		2002.. 1 174 227	X
334417	Electronic connector manufacturing	2004.. 3 703 669	3
		2003.. 3 883 747	2
		2002.. 3 840 305	X
3344171	Coaxial (RF) connectors for electronic circuitry ²	2004.. 419 978	1
		2003.. 446 948	2
		2002.. 487 894	X
3344174	Cylindrical connectors for electronic circuitry ²	2004.. 585 578	3
		2003.. 569 391	2
		2002.. 525 616	X
3344177	Rack and panel (rectangular) connectors for electronic circuitry ²	2004.. 288 869	3
		2003.. 308 525	9
		2002.. 281 953	X
334417A	Printed circuit connectors for electronic circuitry ²	2004.. 1 012 264	2
		2003.. 805 007	2
		2002.. 771 576	X
334417D	Other connectors for electronic circuitry, including parts ²	2004.. 1 098 463	4
		2003.. 1 537 271	3
		2002.. 1 555 450	X
334417W	Electronic connector manufacturing, nsk, total	2004.. 298 516	29
		2003.. 216 604	4
		2002.. 217 816	X
334418	Printed circuit assembly (electronic assembly) manufacturing	2004.. 20 712 013	2
		2003.. 22 942 727	2
		2002.. 22 936 486	X
3344184	External modems, consumer ²	2004.. 281 610	6
		2003.. 725 869	41
		2002.. 429 309	X

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Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334418	Printed circuit assembly (electronic assembly) manufacturing—Con.		
334418B	Printed circuit assemblies, loaded boards and modules (printed circuit boards with inserted electronic components) ²	2004.. 19 237 417	2
		2003.. 21 034 285	2
		2002.. 21 279 167	X
334418W	Printed circuit assembly (electronic assembly) manufacturing, nsk, total	2004.. 1 192 987	14
		2003.. 1 182 572	7
		2002.. 1 228 010	X
334419	Other electronic component manufacturing	2004.. 9 043 982	2
		2003.. 9 422 943	2
		2002.. 10 135 639	X
3344191	Crystals, filters, piezoelectric, and other related electronic devices (except microwave filters) ²	2004.. 686 275	6
		2003.. 711 370	8
		2002.. 775 910	X
3344194	All other miscellaneous transducers, including electrical-electronic input/output transducers ²	2004.. 1 492 750	2
		2003.. 1 199 325	3
		2002.. 1 218 862	X
3344197	Switches, mechanical, for electronic circuitry ²	2004.. 775 676	3
		2003.. 804 268	2
		2002.. 861 312	X
334419A	Microwave components and devices, except antennae, tubes, and semiconductors ²	2004.. 1 312 570	4
		2003.. 1 511 072	2
		2002.. 1 574 424	X
334419E	All other miscellaneous electronic components ²	2004.. 3 958 579	3
		2003.. 4 217 384	3
		2002.. 4 526 037	X
334419W	Other electronic component manufacturing, nsk, total	2004.. 818 133	9
		2003.. 979 525	6
		2002.. 1 179 094	X
334510	Electromedical and electrotherapeutic apparatus manufacturing	2004.. 16 994 171	2
		2003.. 16 106 062	1
		2002.. 14 962 039	X
3345101	Electromedical equipment, including diagnostic, therapeutic, and patient monitoring equipment (excluding ionizing radiation equipment) ²	2004.. 15 461 972	1
		2003.. 14 582 358	1
		2002.. 13 577 423	X
3345103	Electronic hearing aids, complete units ²	2004.. 962 531	2
		2003.. 1 034 980	6
		2002.. 878 613	X
334510W	Electromedical and electrotherapeutic apparatus manufacturing, nsk, total	2004.. 569 668	33
		2003.. 488 724	2
		2002.. 506 003	X
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2004.. 34 854 526	11
		2003.. 31 711 950	1
		2002.. 30 291 288	X
3345111	Aeronautical, nautical, and navigational instruments, not sending or receiving radio signals (except engine instruments) ²	2004.. 2 556 110	2
		2003.. 2 166 050	4
		2002.. 2 719 439	X
3345113	Search, detection, navigation, and guidance systems and equipment ²	2004.. 30 734 426	12
		2003.. 28 559 618	1
		2002.. 26 787 072	X
334511W	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing, nsk, total	2004.. 1 563 990	6
		2003.. 986 282	12
		2002.. 784 777	X
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	2004.. 2 362 896	2
		2003.. 2 333 258	2
		2002.. 2 505 684	X
3345120	Automatic environmental controls for monitoring residential, commercial, and appliance use ²	2004.. 2 362 896	2
		2003.. 2 333 258	2
		2002.. 2 505 684	X
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	2004.. 6 906 373	1
		2003.. 6 350 854	2
		2002.. 6 782 211	X
3345130	Process control instruments ²	2004.. 6 906 373	1
		2003.. 6 350 854	2
		2002.. 6 782 211	X
334514	Totalizing fluid meter and counting device manufacturing	2004.. 5 284 467	1
		2003.. 5 406 619	1
		2002.. 5 237 782	X
3345141	Integrating and totalizing meters for gas and liquids ²	2004.. 1 487 565	1
		2003.. 1 448 402	1
		2002.. 1 421 203	X
3345143	Counting devices, excluding motor vehicle instruments ²	2004.. 537 800	3
		2003.. 501 853	1
		2002.. 466 265	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334514	Totalizing fluid meter and counting device manufacturing—Con.			
3345145	Motor vehicle instruments ²	2004..	2 983 602	2
		2003..	3 212 989	1
		2002..	3 106 983	X
334514W	Totalizing fluid meter and counting device manufacturing, nsk, total	2004..	275 500	1
		2003..	243 375	5
		2002..	243 331	X
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2004..	11 692 774	4
		2003..	9 703 104	1
		2002..	9 490 633	X
3345151	Electrical integrating instruments ²	2004..	803 682	7
		2003..	675 489	2
		2002..	665 297	X
3345153	Test equipment for testing electrical, radio, and communication circuits, and motors (except portable instrument transformers) ²	2004..	9 879 431	4
		2003..	8 018 677	2
		2002..	7 794 502	X
3345155	Other instruments to measure electricity ²	2004..	414 700	9
		2003..	325 526	19
		2002..	374 339	X
334515W	Instrument manufacturing for measuring and testing electricity and electrical signals, nsk, total	2004..	594 961	10
		2003..	683 412	5
		2002..	656 495	X
334516	Analytical laboratory instrument manufacturing	2004..	7 887 715	4
		2003..	7 371 715	2
		2002..	7 130 177	X
3345160	Analytical and scientific instruments, except optical ²	2004..	7 887 715	4
		2003..	7 371 715	2
		2002..	7 130 177	X
334517	Irradiation apparatus manufacturing	2004..	4 379 424	4
		2003..	4 136 759	2
		2002..	4 512 657	X
3345170	Irradiation (ionizing radiation) equipment ²	2004..	4 379 424	4
		2003..	4 136 759	2
		2002..	4 512 657	X
334518	Watch, clock, and part manufacturing	2004..	591 744	3
		2003..	554 066	4
		2002..	618 512	X
3345182	Watches, watchcases, movements, and modules (including watch parts)	2004..	82 901	4
		2003..	96 148	4
		2002..	99 646	X
3345184	Clocks, timing mechanisms, time recording and time stamp devices, time switches, clock movements, and clock cases (including parts)	2004..	493 505	3
		2003..	445 853	5
		2002..	501 975	X
334518W	Watch, clock, and part manufacturing, nsk, total	2004..	15 338	9
		2003..	12 064	10
		2002..	16 891	X
334519	Other measuring and controlling device manufacturing	2004..	5 351 676	2
		2003..	5 103 061	2
		2002..	5 224 883	X
3345192	Aircraft engine instruments, except flight ²	2004..	825 525	2
		2003..	874 131	1
		2002..	877 026	X
3345194	Physical properties testing and inspection equipment and kinematic testing and measuring equipment ²	2004..	1 802 669	2
		2003..	1 701 282	3
		2002..	1 736 386	X
3345195	Nuclear radiation detection and monitoring instruments ²	2004..	627 974	6
		2003..	522 917	8
		2002..	537 392	X
3345197	Commercial, geophysical, meteorological, and general-purpose instruments and equipment, except medical thermometers ²	2004..	1 400 705	5
		2003..	1 322 965	5
		2002..	1 416 410	X
3345199	Survey and drafting instruments and apparatus, including photogrammetric equipment ²	2004..	248 548	11
		2003..	213 577	2
		2002..	237 744	X
334519W	Other measuring and controlling device manufacturing, nsk, total	2004..	446 255	12
		2003..	468 188	8
		2002..	419 925	X
334611	Software reproducing.....	2004..	609 540	5
		2003..	606 457	7
		2002..	636 073	X
3346110	Software reproducing.....	2004..	609 540	5
		2003..	606 457	7
		2002..	636 073	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334612	Prerecorded compact disc (except software), tape, and record reproducing.....	2004..	3 970 896	2
		2003..	4 516 147	5
		2002..	4 248 930	X
3346120	Reproduction of recording media.....	2004..	3 970 896	2
		2003..	4 516 147	5
		2002..	4 248 930	X
334613	Magnetic and optical recording media manufacturing	2004..	2 256 908	2
		2003..	2 366 353	1
		2002..	2 564 267	X
3346130	Magnetic and optical recording media ²	2004..	2 256 908	2
		2003..	2 366 353	1
		2002..	2 564 267	X
335110	Electric lamp bulb and part manufacturing.....	2004..	2 383 455	2
		2003..	2 499 227	1
		2002..	2 483 905	X
3351101	Electric lamp bulbs and tubes (including sealed beam lamp bulbs)	2004..	2 101 946	2
		2003..	2 176 403	1
		2002..	2 155 760	X
3351103	Electric lamp (bulbs and tubes) components (including bases, supports, lead-ins, filaments, etc.), except lamp bulb blanks	2004..	278 931	3
		2003..	311 723	9
		2002..	319 360	X
335110W	Electric lamp bulb and part manufacturing, nsk, total	2004..	2 578	1
		2003..	11 101	1
		2002..	8 785	X
335121	Residential electric lighting fixture manufacturing.....	2004..	1 880 071	3
		2003..	1 879 754	4
		2002..	1 944 915	X
3351211	Residential-type electric lighting fixtures (except portable), including parts and accessories	2004..	1 322 135	4
		2003..	1 279 465	4
		2002..	1 251 934	X
3351214	Residential-type portable lighting fixtures, including parts and accessories.....	2004..	467 798	5
		2003..	525 546	7
		2002..	623 196	X
335121W	Residential electric lighting fixture manufacturing, nsk, total	2004..	90 137	4
		2003..	74 743	6
		2002..	69 785	X
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing.....	2004..	3 558 790	2
		2003..	3 481 121	2
		2002..	3 895 005	X
3351221	Commercial and institutional-type electric lighting fixtures, including parts and accessories	2004..	2 464 058	2
		2003..	2 441 907	3
		2002..	2 640 366	X
3351222	Industrial-type electric lighting fixtures, including parts and accessories	2004..	979 643	4
		2003..	930 289	4
		2002..	1 132 034	X
335122W	Commercial, industrial, and institutional electric lighting fixture manufacturing, nsk, total	2004..	115 088	3
		2003..	108 924	10
		2002..	122 605	X
335129	Other lighting equipment manufacturing	2004..	3 531 010	2
		2003..	3 261 132	4
		2002..	3 508 838	X
3351291	Outdoor lighting equipment (including parts and accessories)	2004..	2 002 437	1
		2003..	1 825 653	3
		2002..	1 885 794	X
3351294	All other miscellaneous electric and nonelectric lighting equipment, including hand portable, parts and accessories	2004..	1 450 996	3
		2003..	1 360 014	9
		2002..	1 555 007	X
335129W	Other lighting equipment manufacturing, nsk, total	2004..	77 577	7
		2003..	75 465	1
		2002..	68 037	X
335211	Electric housewares and household fan manufacturing	2004..	1 825 737	1
		2003..	1 937 859	1
		2002..	2 103 830	X
3352111	Electric fans, except industrial type ²	2004..	605 754	1
		2003..	587 520	2
		2002..	614 029	X
3352114	Small electric household appliances, except fans and wall and baseboard heating units for permanent installation	2004..	1 066 704	1
		2003..	1 152 063	2
		2002..	1 309 978	X
3352115	Parts and attachments for small household electric appliances ²	2004..	53 488	1
		2003..	68 258	1
		2002..	70 880	X
335211W	Electric housewares and household fan manufacturing, nsk, total	2004..	99 791	1
		2003..	130 017	1
		2002..	108 943	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
335212	Household vacuum cleaner manufacturing	2004..	1 520 119	1
		2003..	1 766 354	1
		2002..	1 857 630	X
3352121	Household vacuum cleaners, upright-stick type, including parts	2004..	D	S
		2003..	D	S
		2002..	D	X
3352122	Floor waxing and floor polishing machines and parts ²	2004..	D	S
		2003..	D	S
		2002..	D	X
335212W	Household vacuum cleaner manufacturing, nsk, total	2004..	90 285	1
		2003..	91 967	1
		2002..	55 001	X
335221	Household cooking appliance manufacturing	2004..	4 242 477	1
		2003..	4 369 141	1
		2002..	4 129 322	X
3352211	Electric (including microwave) household ranges, ovens, surface cooking units, and equipment ²	2004..	2 117 205	1
		2003..	2 139 321	1
		2002..	1 927 586	X
3352213	Gas household ranges, ovens, surface cooking units, and equipment (including parts and accessories) ²	2004..	1 176 761	1
		2003..	1 120 186	3
		2002..	997 912	X
3352215	Other household ranges and cooking equipment ²	2004..	921 131	2
		2003..	1 064 857	2
		2002..	1 172 107	X
335221W	Household cooking appliance manufacturing, nsk, total	2004..	27 380	1
		2003..	44 777	1
		2002..	31 717	X
335222	Household refrigerator and home freezer manufacturing	2004..	5 760 810	1
		2003..	5 757 764	1
		2002..	5 354 924	X
3352221	Household refrigerators, including combination refrigerator-freezers ²	2004..	5 193 042	1
		2003..	5 169 190	1
		2002..	4 768 642	X
3352222	Household food freezers, complete units ²	2004..	389 196	1
		2003..	D	S
		2002..	D	X
3352223	Parts and attachments for household refrigerators and freezers ²	2004..	178 572	6
		2003..	D	S
		2002..	D	X
335222W	Household refrigerator and home freezer manufacturing, nsk, total	2004..	—	1
		2003..	4 249	1
		2002..	275	X
335224	Household laundry equipment manufacturing	2004..	4 986 523	1
		2003..	4 658 154	1
		2002..	4 352 179	X
3352240	Household laundry equipment ²	2004..	4 986 523	1
		2003..	4 658 154	1
		2002..	4 352 179	X
335228	Other major household appliance manufacturing	2004..	3 565 345	1
		2003..	3 215 821	3
		2002..	3 126 360	X
3352281	Household water heaters, electric, for permanent installation ²	2004..	545 932	1
		2003..	473 996	7
		2002..	560 599	X
3352283	Household water heaters, except electric ²	2004..	878 103	1
		2003..	840 062	6
		2002..	661 196	X
3352285	All other miscellaneous household appliances ²	2004..	2 140 147	1
		2003..	1 900 495	3
		2002..	1 903 363	X
335228W	Other major household appliance manufacturing, nsk, total	2004..	1 163	1
		2003..	1 268	1
		2002..	1 202	X
335311	Power, distribution, and specialty transformer manufacturing	2004..	3 649 592	1
		2003..	3 758 867	1
		2002..	3 942 016	X
3353111	Power and distribution transformers, except parts	2004..	2 039 719	2
		2003..	2 182 496	1
		2002..	2 276 686	X
3353113	Specialty transformers, except fluorescent lamp ballast	2004..	300 985	7
		2003..	312 250	2
		2002..	284 817	X
3353115	Fluorescent lamp ballasts ²	2004..	355 047	1
		2003..	357 778	1
		2002..	329 257	X
3353117	Commercial, institutional, and industrial general-purpose transformers, all voltages	2004..	280 168	8
		2003..	270 887	6
		2002..	263 434	X
3353119	Power regulators, boosters, and other transformers and parts for all transformers	2004..	460 234	3
		2003..	422 288	12
		2002..	547 747	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
335311	Power, distribution, and specialty transformer manufacturing—Con.		
335311W	Power, distribution, and specialty transformer manufacturing, nsk, total	2004.. 213 438	1
		2003.. 213 167	4
		2002.. 240 075	X
335312	Motor and generator manufacturing	2004.. 10 212 241	2
		2003.. 9 184 473	1
		2002.. 8 963 224	X
3353121	Fractional horsepower motors (rated at less than 746 watts) (except hermetics) ²	2004.. 2 969 529	2
		2003.. 3 075 427	1
		2002.. 2 978 276	X
3353123	Integral horsepower motors and generators other than for land transportation equipment (rated at 746 watts or more) (except hematics) ²	2004.. 1 691 393	8
		2003.. 1 609 004	1
		2002.. 1 639 960	X
3353125	Land transportation motors, generators, and control equipment (except parts) ²	2004.. 277 296	5
		2003.. 226 012	1
		2002.. 196 625	X
3353127	Prime mover generator sets, except steam and hydraulic turbine ²	2004.. 2 113 426	1
		2003.. 1 366 535	2
		2002.. 1 378 351	X
3353129	Fractional motor generator sets and other rotating equipment (including hermetics) ²	2004.. 971 610	4
		2003.. 765 541	2
		2002.. 761 816	X
335312A	Integral motor generator sets and other rotating equipment (including hermetics) ²	2004.. 797 345	3
		2003.. 682 839	2
		2002.. 642 846	X
335312C	Parts and supplies for motors, generators, generator sets, and other rotating equipment, excluding motors for built-in jobs ²	2004.. 773 876	2
		2003.. 780 870	3
		2002.. 728 297	X
335312E	Armature rewinding on a factory basis	2004.. 44 410	1
		2003.. 69 238	8
		2002.. 71 984	X
335312W	Motor and generator manufacturing, nsk, total	2004.. 573 356	14
		2003.. 609 006	4
		2002.. 565 069	X
335313	Switchgear and switchboard apparatus manufacturing	2004.. 7 605 957	1
		2003.. 7 669 466	1
		2002.. 7 742 158	X
3353131	Power circuit breakers, all voltages ²	2004.. 595 619	8
		2003.. 644 069	3
		2002.. 695 604	X
3353133	Low voltage panelboards and distribution boards and other switching and interrupting devices, 1000 volts or less ²	2004.. 2 486 324	2
		2003.. 2 450 056	2
		2002.. 2 265 741	X
3353135	Fuses and fuse equipment less than 2300 volts (except power distribution cut-outs) ²	2004.. 431 860	2
		2003.. 396 750	3
		2002.. 475 349	X
3353137	Molded case circuit breakers, 1000 volts or less ²	2004.. 928 091	4
		2003.. 1 233 936	1
		2002.. 1 322 162	X
3353139	Duct, including plug-in units and accessories, 1000 volts or less ²	2004.. 194 295	1
		2003.. 196 246	1
		2002.. 209 795	X
335313A	Switchgear, except ducts and relays ²	2004.. 2 309 983	3
		2003.. 2 222 476	1
		2002.. 2 254 341	X
335313W	Switchgear and switchboard apparatus manufacturing, nsk, total	2004.. 659 785	5
		2003.. 525 933	17
		2002.. 519 166	X
335314	Relay and industrial control manufacturing	2004.. 8 317 443	3
		2003.. 8 046 505	1
		2002.. 8 599 304	X
3353141	Relays for electronic circuitry, industrial control overload, and switchgear type ²	2004.. 634 038	6
		2003.. 701 511	7
		2002.. 719 129	X
3353143	Specific-purpose industrial controls ²	2004.. 2 780 459	4
		2003.. 2 567 181	3
		2002.. 2 641 375	X
3353146	General-purpose industrial controls ²	2004.. 3 823 444	5
		2003.. 3 626 591	1
		2002.. 3 779 667	X
3353147	Parts for industrial controls and motor-control accessories ²	2004.. 402 712	5
		2003.. 457 000	3
		2002.. 506 566	X
335314W	Relay and industrial control manufacturing, nsk, total	2004.. 676 791	20
		2003.. 694 221	3
		2002.. 952 567	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
335911	Storage battery manufacturing	2004..	3 326 230	1
		2003..	3 358 515	1
		2002..	3 393 395	X
3359111	Storage batteries, lead acid type, BCI dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller)	2004..	2 177 987	1
		2003..	2 077 456	1
		2002..	2 117 762	X
3359114	Storage batteries, lead acid type, larger than BCI dimensional size group 8D (1.5 cu ft (.042 cu m))	2004..	858 021	1
		2003..	940 246	3
		2002..	884 684	X
3359117	Storage batteries (except lead acid), including parts for all storage batteries	2004..	197 426	8
		2003..	226 108	8
		2002..	262 935	X
335911W	Storage battery manufacturing, nsk, total	2004..	92 796	13
		2003..	114 705	8
		2002..	128 014	X
335912	Primary battery manufacturing	2004..	2 461 195	1
		2003..	2 773 072	3
		2002..	2 860 187	X
3359120	Primary batteries	2004..	2 461 195	1
		2003..	2 773 072	3
		2002..	2 860 187	X
335921	Fiber optic cable manufacturing	2004..	1 044 775	4
		2003..	1 067 186	8
		2002..	1 450 302	X
3359210	Fiber optic cable ²	2004..	1 044 775	4
		2003..	1 067 186	8
		2002..	1 450 302	X
335929	Other communication and energy wire manufacturing	2004..	10 150 357	1
		2003..	8 779 194	2
		2002..	9 240 349	X
3359291	Power wire and cable, made from nonferrous metals (purchased wire) ²	2004..	1 877 764	2
		2003..	1 832 126	5
		2002..	1 586 108	X
335929A	Electronic wire and cable, made of nonferrous metals (purchased wire) ²	2004..	2 323 259	2
		2003..	2 305 514	4
		2002..	2 611 581	X
335929B	Telephone and telegraph wire and cable, made of nonferrous metals (purchased wire) ²	2004..	1 035 920	3
		2003..	1 178 647	2
		2002..	1 202 493	X
335929C	Control and signal wire and cable, made of nonferrous metals (purchased wire) ²	2004..	300 322	4
		2003..	259 830	2
		2002..	251 955	X
335929D	Building wire and cable, made of nonferrous metals (purchased wire) ²	2004..	3 627 834	1
		2003..	2 164 870	1
		2002..	2 388 710	X
335929E	Other insulated wire and cable, including automotive, made of nonferrous metals (purchased wire) ²	2004..	748 433	12
		2003..	568 691	5
		2002..	615 943	X
335929W	Other communication and energy wire manufacturing, nsk, total	2004..	236 825	35
		2003..	469 518	14
		2002..	583 559	X
335931	Current-carrying wiring device manufacturing	2004..	5 766 489	1
		2003..	5 639 161	1
		2002..	5 782 529	X
3359311	Current-carrying lampholders ²	2004..	102 378	16
		2003..	101 180	3
		2002..	110 599	X
3359313	Current-carrying general-and special-purpose convenience and power outlets (excluding pin-and-sleeve type) ²	2004..	412 519	8
		2003..	387 263	1
		2002..	365 296	X
3359315	Current-carrying switches for electrical circuitry (including vehicular switches) ²	2004..	1 743 336	2
		2003..	1 920 815	1
		2002..	1 980 376	X
3359317	Current-carrying metal contacts, including precious metal ²	2004..	215 820	9
		2003..	241 337	2
		2002..	219 027	X
3359319	Current-carrying wire connectors for electrical circuitry ²	2004..	1 566 477	2
		2003..	1 361 180	2
		2002..	1 329 807	X
335931B	All other miscellaneous current-carrying wiring devices (attachments, plug caps, connector bodies, lightning arrestors, etc.) ²	2004..	1 477 322	2
		2003..	1 377 567	2
		2002..	1 541 434	X
335931W	Current-carrying wiring device manufacturing, nsk, total	2004..	248 637	1
		2003..	249 818	4
		2002..	235 990	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
335932	Noncurrent-carrying wiring device manufacturing.....	2004..	3 884 950	1
		2003..	3 421 956	1
		2002..	3 359 603	X
3359321	Noncurrent-carrying pole and transmission line hardware ²	2004..	696 927	4
		2003..	601 288	5
		2002..	626 212	X
3359323	Noncurrent-carrying electrical conduit and conduit fittings, including plastics conduit and conduit fittings ²	2004..	1 959 037	2
		2003..	1 656 308	1
		2002..	1 733 647	X
3359326	Other noncurrent-carrying wiring devices and supplies (boxes, covers, bar hangers, etc.) ²	2004..	1 180 791	1
		2003..	1 121 163	1
		2002..	955 167	X
335932W	Noncurrent-carrying wiring device manufacturing, nsk, total.....	2004..	48 195	2
		2003..	43 196	1
		2002..	44 577	X
335991	Carbon and graphite product manufacturing.....	2004..	1 700 893	3
		2003..	1 582 635	2
		2002..	1 625 808	X
3359911	Carbon and graphite electrodes for electric furnaces and electrolytic cell use.....	2004..	713 910	3
		2003..	660 597	3
		2002..	741 843	X
3359913	All other carbon and graphite products.....	2004..	906 976	2
		2003..	833 932	2
		2002..	810 221	X
335991W	Carbon and graphite product manufacturing, nsk, total.....	2004..	80 007	47
		2003..	88 106	1
		2002..	73 744	X
335999	All other miscellaneous electrical equipment and component manufacturing.....	2004..	7 649 021	1
		2003..	6 993 002	2
		2002..	7 161 840	X
3359991	Capacitors, industrial use (except for electronic circuitry).....	2004..	301 466	8
		2003..	316 453	2
		2002..	318 913	X
3359993	Rectifying apparatus.....	2004..	1 476 834	2
		2003..	1 640 868	4
		2002..	1 592 904	X
3359996	Other electrical equipment, industrial use (except for electronic circuitry).....	2004..	607 875	5
		2003..	531 319	9
		2002..	509 693	X
3359997	Laser generator power supplies and components ²	2004..	1 108 175	2
		2003..	877 068	1
		2002..	937 513	X
3359999	Laser systems and equipment, all other types.....	2004..	373 555	2
		2003..	207 082	2
		2002..	129 984	X
335999A	Ultrasonic equipment, except medical and dental ²	2004..	241 701	4
		2003..	218 342	2
		2002..	206 199	X
335999B	Apparatus wire and cord and flexible cord sets (except wiring harnesses and fiber optic), made from purchased insulated wire.....	2004..	341 193	3
		2003..	363 587	1
		2002..	380 353	X
335999E	All other miscellaneous electrical equipment and components (except for industrial use).....	2004..	87 947	30
		2003..	118 501	21
		2002..	164 957	X
335999F	All other miscellaneous electronic systems and equipment (including automatic garage door openers, and amplifiers) ²	2004..	1 886 971	2
		2003..	1 536 304	2
		2002..	1 606 592	X
335999W	All other miscellaneous electrical equipment and component manufacturing, nsk, total.....	2004..	1 223 303	6
		2003..	1 183 476	6
		2002..	1 314 732	X
336111	Automobile manufacturing.....	2004..	81 286 462	1
		2003..	79 002 545	1
		2002..	85 891 080	X
3361110	Automobile manufacturing.....	2004..	81 286 462	1
		2003..	79 002 545	1
		2002..	85 891 080	X
336112	Light truck and utility vehicle manufacturing.....	2004..	154 111 999	1
		2003..	165 115 260	1
		2002..	134 672 974	X
3361120	Light truck and utility vehicle manufacturing.....	2004..	154 111 999	1
		2003..	165 115 260	1
		2002..	134 672 974	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336120	Heavy duty truck manufacturing	2004..	21 365 455	1
		2003..	15 268 684	1
		2002..	16 060 325	X
3361201	Trucks, truck tractors, and bus chassis (chassis of own manufacture), 14,001 to 33,000 lb	2004..	3 817 181	1
		2003..	3 266 797	1
		2002..	3 400 995	X
3361202	Trucks, truck tractors, and bus chassis (chassis of own manufacture), 33,001 lb or more	2004..	14 673 951	1
		2003..	9 488 138	1
		2002..	10 059 669	X
3361203	Buses (chassis of own manufacture), including military and firefighting vehicles	2004..	2 545 095	1
		2003..	2 351 235	1
		2002..	2 413 770	X
336120W	Heavy duty truck manufacturing, nsk, total	2004..	329 228	1
		2003..	162 513	14
		2002..	185 891	X
336211	Motor vehicle body manufacturing	2004..	8 617 569	2
		2003..	8 321 860	2
		2002..	7 743 179	X
3362112	Bus bodies and truck cabs, sold separately	2004..	1 390 760	7
		2003..	1 464 959	6
		2002..	1 408 027	X
3362114	Van bodies, sold separately	2004..	739 564	6
		2003..	542 755	19
		2002..	433 591	X
3362115	Other truck and vehicle bodies (including dump truck lifting mechanisms and kit cars), sold separately, nsk	2004..	2 165 342	3
		2003..	2 014 893	1
		2002..	1 961 882	X
3362117	Buses and firefighting vehicles, complete, produced on purchased chassis	2004..	1 723 645	4
		2003..	1 625 442	2
		2002..	1 669 285	X
3362119	Trucks and vehicles, other types, complete, produced on purchased chassis	2004..	1 873 818	3
		2003..	1 846 004	7
		2002..	1 507 158	X
336211W	Motor vehicle body manufacturing, nsk, total	2004..	724 441	4
		2003..	827 808	4
		2002..	763 236	X
336212	Truck trailer manufacturing	2004..	5 539 270	2
		2003..	4 398 694	2
		2002..	3 888 169	X
3362121	Truck trailers and chassis, axle rating 10,000 lb or more	2004..	4 933 241	2
		2003..	3 862 529	2
		2002..	3 410 404	X
3362123	Truck trailers and chassis, axle rating less than 10,000 lb	2004..	281 216	11
		2003..	221 145	14
		2002..	186 775	X
336212W	Truck trailer manufacturing, nsk, total	2004..	324 814	1
		2003..	315 020	2
		2002..	290 990	X
336213	Motor home manufacturing	2004..	6 244 862	1
		2003..	5 655 236	3
		2002..	5 345 438	X
3362130	Motor homes, produced on purchased chassis	2004..	6 244 862	1
		2003..	5 655 236	3
		2002..	5 345 438	X
336214	Travel trailer and camper manufacturing	2004..	8 611 869	1
		2003..	6 974 181	2
		2002..	6 777 023	X
3362141	Travel trailers	2004..	4 737 637	1
		2003..	3 659 462	1
		2002..	3 432 267	X
3362143	Trailers, automobile and light truck	2004..	2 151 591	3
		2003..	1 785 565	7
		2002..	1 769 468	X
3362145	Camping trailers, campers, and pickup covers (including parts)	2004..	1 137 869	4
		2003..	1 044 328	3
		2002..	1 068 137	X
336214W	Travel trailer and camper manufacturing, nsk, total	2004..	584 772	7
		2003..	484 827	8
		2002..	507 151	X
336311	Carburetor, piston, piston ring, and valve manufacturing	2004..	2 319 135	3
		2003..	2 471 567	2
		2002..	2 298 886	X
3363111	Carburetors, all types, new and rebuilt	2004..	332 948	10
		2003..	367 850	1
		2002..	395 966	X
3363113	Pistons, piston rings, and piston pins (engine)	2004..	1 504 894	4
		2003..	1 566 697	1
		2002..	1 411 813	X
3363115	Valves, engine intake and exhaust	2004..	435 471	1
		2003..	488 075	5
		2002..	416 684	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336311 336311W	Carburetor, piston, piston ring, and valve manufacturing—Con. Carburetor, piston, piston ring, and valve manufacturing, nsk, total	2004..	45 822	34
		2003..	48 946	59
		2002..	74 423	X
336312	Gasoline engine and engine parts manufacturing	2004..	30 865 204	1
		2003..	30 019 950	1
		2002..	31 205 443	X
3363121	Gasoline engine and engine parts, motor vehicles, new	2004..	29 247 526	1
		2003..	28 737 515	1
		2002..	29 712 579	X
3363123	Gasoline engines and engine parts, motor vehicles, rebuilt	2004..	510 707	8
		2003..	439 273	27
		2002..	593 058	X
336312W	Gasoline engine and engine parts manufacturing, nsk, total	2004..	1 106 971	10
		2003..	843 162	3
		2002..	899 806	X
336321	Vehicular lighting equipment manufacturing	2004..	2 603 518	3
		2003..	2 832 474	1
		2002..	2 670 886	X
3363210	Vehicular lighting equipment	2004..	2 603 518	3
		2003..	2 832 474	1
		2002..	2 670 886	X
336322	Other motor vehicle electrical and electronic equipment manufacturing	2004..	15 909 593	1
		2003..	17 241 610	2
		2002..	17 635 997	X
3363221	Ignition wiring harness and electrical cable sets	2004..	1 116 734	4
		2003..	1 064 500	1
		2002..	1 072 283	X
3363223	Alternators, generators, and regulators, battery charging	2004..	1 113 349	5
		2003..	1 558 987	2
		2002..	1 625 122	X
3363225	Cranking motors (starters)	2004..	1 939 325	1
		2003..	2 075 282	1
		2002..	2 064 157	X
3363227	Spark plugs, internal combustion engines	2004..	453 956	1
		2003..	410 720	1
		2002..	507 283	X
3363229	Electrical engine equipment, all other types, complete	2004..	4 433 866	1
		2003..	4 542 189	1
		2002..	4 732 683	X
336322A	Parts for electrical and electronic engine equipment	2004..	334 563	3
		2003..	413 587	2
		2002..	352 019	X
336322D	Electrical and electronic equipment, motor vehicles ²	2004..	5 583 533	1
		2003..	6 152 097	7
		2002..	6 225 496	X
336322W	Other motor vehicle electrical and electronic equipment manufacturing, nsk, total	2004..	934 268	18
		2003..	1 024 248	13
		2002..	1 056 954	X
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2004..	10 716 523	2
		2003..	10 633 831	1
		2002..	10 688 643	X
3363301	Motor vehicle steering and suspension components, new	2004..	10 239 059	2
		2003..	10 259 875	1
		2002..	10 356 320	X
3363303	Motor vehicle steering and suspension components, rebuilt	2004..	281 188	1
		2003..	215 629	4
		2002..	182 073	X
336330W	Motor vehicle steering and suspension component (except spring) manufacturing, nsk, total	2004..	196 276	1
		2003..	158 326	3
		2002..	150 250	X
336340	Motor vehicle brake system manufacturing	2004..	12 526 818	1
		2003..	12 099 577	1
		2002..	12 461 956	X
3363401	Motor vehicle brake parts and assemblies, new	2004..	11 916 007	1
		2003..	11 570 489	1
		2002..	11 888 669	X
3363403	Motor vehicle brake parts and assemblies, rebuilt	2004..	438 160	5
		2003..	370 505	5
		2002..	407 363	X
336340W	Motor vehicle brake system manufacturing, nsk, total	2004..	172 651	4
		2003..	158 583	4
		2002..	165 924	X
336350	Motor vehicle transmission and power train parts manufacturing	2004..	36 457 120	1
		2003..	35 488 420	3
		2002..	35 522 798	X
3363501	Motor vehicle drive train components, new	2004..	34 827 818	1
		2003..	34 028 155	3
		2002..	34 195 727	X
3363503	Motor vehicle drive train components, rebuilt	2004..	1 209 496	5
		2003..	1 073 293	9
		2002..	945 328	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336350	Motor vehicle transmission and power train parts manufacturing—Con.	2004..	419 805	1
336350W	Motor vehicle transmission and power train parts manufacturing, nsk, total	2003..	386 973	5
		2002..	381 743	X
336360	Motor vehicle seating and interior trim manufacturing	2004..	15 957 511	1
		2003..	16 286 417	1
		2002..	16 316 496	X
3363601	Automobile trimmings	2004..	3 893 807	1
		2003..	4 119 301	3
		2002..	4 026 002	X
3363602	Fabricated seat and safety belts, including shoulder harnesses (except leather)	2004..	590 896	2
		2003..	609 553	1
		2002..	624 883	X
3363603	Seats, public conveyance and aircraft	2004..	9 213 522	1
		2003..	9 376 506	1
		2002..	9 486 352	X
3363605	Fabricated automobile covers, seat and tire	2004..	703 152	2
		2003..	570 358	4
		2002..	614 987	X
3363607	Motor vehicle seat frames, metal	2004..	1 138 208	7
		2003..	1 211 601	3
		2002..	1 210 746	X
336360W	Motor vehicle seating and interior trim manufacturing, nsk, total	2004..	417 927	9
		2003..	399 098	2
		2002..	353 526	X
336370	Motor vehicle metal stamping	2004..	24 922 676	1
		2003..	24 869 147	2
		2002..	24 788 841	X
3363700	Automotive job stampings (truck, bus, and passenger car)	2004..	24 922 676	1
		2003..	24 869 147	2
		2002..	24 788 841	X
336391	Motor vehicle air-conditioning manufacturing	2004..	4 384 884	3
		2003..	4 694 445	1
		2002..	4 931 096	X
3363917	Motor vehicle air-conditioning systems, mechanical ²	2004..	2 704 208	1
		2003..	2 977 685	1
		2002..	3 153 303	X
336391B	Automotive air-conditioning compressors (open-type, with or without motor) ²	2004..	1 657 573	7
		2003..	1 700 034	1
		2002..	1 760 804	X
336391W	Motor vehicle air-conditioning manufacturing, nsk, total	2004..	23 103	1
		2003..	16 726	29
		2002..	16 989	X
336399	All other motor vehicle parts manufacturing	2004..	38 018 887	1
		2003..	37 222 231	1
		2002..	37 519 098	X
3363991	Filters, new, internal combustion engines and motor vehicles	2004..	2 847 177	5
		2003..	2 873 100	2
		2002..	2 918 741	X
3363993	Exhaust system parts, new	2004..	6 884 111	1
		2003..	6 962 099	2
		2002..	7 230 999	X
3363995	Motor vehicle wheels, new	2004..	2 753 630	2
		2003..	2 543 942	2
		2002..	2 674 942	X
3363996	Trailer hitches (including travel, automobile, and light duty truck)	2004..	366 521	7
		2003..	355 998	4
		2002..	366 636	X
3363998	All other motor vehicle parts and accessories, new and rebuilt	2004..	22 484 799	2
		2003..	22 029 290	2
		2002..	21 519 009	X
336399W	All other motor vehicle parts manufacturing, nsk, total	2004..	2 682 649	13
		2003..	2 457 803	6
		2002..	2 808 771	X
336411	Aircraft manufacturing	2004..	60 745 182	1
		2003..	60 597 597	1
		2002..	61 184 222	X
3364112	Aircraft, military (including U.S. military and aircraft built to military specifications)	2004..	15 638 750	1
		2003..	14 827 130	1
		2002..	14 395 959	X
3364113	Aircraft, civilian ²	2004..	31 550 890	1
		2003..	32 469 302	1
		2002..	35 432 149	X
3364115	Modification, conversion, and overhaul of previously accepted aircraft	2004..	6 427 100	9
		2003..	5 961 750	2
		2002..	6 162 278	X
3364117	All other aeronautical services on complete aircraft	2004..	6 957 970	1
		2003..	7 172 845	1
		2002..	4 853 434	X
336411W	Aircraft manufacturing, nsk, total	2004..	170 471	32
		2003..	166 570	36
		2002..	340 402	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336412	Aircraft engine and engine parts manufacturing	2004..	21 333 651	1
		2003..	20 604 727	1
		2002..	20 630 937	X
3364121	Aircraft engines, military (including engines built to military specifications)	2004..	1 982 347	1
		2003..	1 849 466	1
		2002..	1 796 734	X
3364123	Aircraft engines, civilian ²	2004..	5 760 182	1
		2003..	5 832 206	1
		2002..	5 878 030	X
3364125	Aeronautical services on aircraft engines	2004..	3 645 343	1
		2003..	3 605 208	1
		2002..	3 412 413	X
3364127	Aircraft engine parts and accessories	2004..	9 479 245	1
		2003..	8 931 960	1
		2002..	9 122 479	X
336412W	Aircraft engine and engine parts manufacturing, nsk, total	2004..	466 535	4
		2003..	385 888	2
		2002..	421 281	X
336413	Other aircraft parts and auxiliary equipment manufacturing	2004..	21 729 146	1
		2003..	21 066 712	1
		2002..	21 110 014	X
3364131	Aircraft propellers and helicopter rotors	2004..	1 691 767	1
		2003..	1 605 761	3
		2002..	1 492 067	X
3364133	Research and development on aircraft parts, except engines	2004..	734 620	3
		2003..	700 983	2
		2002..	603 960	X
3364136	Aircraft parts and auxiliary equipment, except hydraulic and pneumatic subassemblies and engines	2004..	18 365 084	1
		2003..	17 922 854	1
		2002..	17 910 316	X
336413W	Other aircraft parts and auxiliary equipment manufacturing, nsk, total	2004..	937 676	10
		2003..	837 114	15
		2002..	1 103 671	X
336414	Guided missile and space vehicle manufacturing	2004..	10 963 802	1
		2003..	11 584 568	3
		2002..	10 346 707	X
3364141	Complete guided missiles	2004..	4 010 112	1
		2003..	3 644 476	1
		2002..	3 796 806	X
3364143	Research and development on complete guided missiles	2004..	1 316 441	1
		2003..	D	S
		2002..	785 535	X
3364145	Other services on complete guided missiles	2004..	D	S
		2003..	D	S
		2002..	55 445	X
3364147	Complete space vehicles, except propulsion systems	2004..	4 177 899	1
		2003..	5 291 811	3
		2002..	4 473 244	X
3364149	Research and development on complete space vehicles	2004..	197 764	1
		2003..	D	S
		2002..	D	X
336414A	All other services on complete space vehicles	2004..	D	S
		2003..	1 116 226	24
		2002..	D	X
336414W	Guided missile and space vehicle manufacturing, nsk, total	2004..	1 937	1
		2003..	2 133	1
		2002..	2 340	X
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2004..	3 816 938	1
		2003..	3 930 749	1
		2002..	3 139 844	X
3364151	Complete missiles, space vehicle engines, and propulsion units	2004..	2 507 582	1
		2003..	2 296 347	1
		2002..	2 041 604	X
3364153	Research and development on complete missiles, space vehicle engines, and propulsion units	2004..	761 384	1
		2003..	819 240	1
		2002..	583 875	X
3364155	Other services on complete missiles, space vehicle engines, and propulsion units	2004..	277 287	1
		2003..	288 792	1
		2002..	286 978	X
3364157	Missile and space vehicle engine and propulsion parts and accessories	2004..	263 124	1
		2003..	519 878	1
		2002..	221 516	X
336415W	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing, nsk, total	2004..	7 561	2
		2003..	6 492	9
		2002..	5 871	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2004..	2 615 349	4
		2003..	3 204 937	3
		2002..	2 864 900	X
3364191	Missile and space vehicle components, parts, and subassemblies	2004..	2 173 148	4
		2003..	D	S
		2002..	2 607 751	X
3364193	Research and development on missile and space vehicle parts and components	2004..	392 736	1
		2003..	D	S
		2002..	205 509	X
336419W	Other guided missile and space vehicle parts and auxiliary equipment manufacturing, nsk, total	2004..	49 466	1
		2003..	50 546	1
		2002..	51 640	X
336510	Railroad rolling stock manufacturing	2004..	6 358 714	2
		2003..	6 031 372	1
		2002..	6 413 312	X
3365101	Locomotives, new and rebuilt, including parts	2004..	2 802 043	3
		2003..	2 457 815	1
		2002..	2 618 077	X
3365103	Train and train cars, freight and passenger, new, except parts	2004..	1 075 847	2
		2003..	1 143 784	1
		2002..	1 111 439	X
3365105	Cars (street, subway, trolley, and rapid transit), rebuilt (including parts) and railway maintenance of equipment and parts (including parts and other work and service)	2004..	2 213 298	1
		2003..	2 205 182	2
		2002..	2 463 368	X
336510W	Railroad rolling stock manufacturing, nsk, total	2004..	267 526	25
		2003..	224 591	1
		2002..	220 428	X
336611	Ship building and repairing	2004..	13 373 893	1
		2003..	13 144 185	1
		2002..	12 310 845	X
3366111	Ships, barges, and platforms, nonpropelled, new construction	2004..	725 157	5
		2003..	693 046	4
		2002..	755 895	X
3366113	Ships (including combat ships, troop transport vessels, fleet auxiliaries, and service craft), self-propelled, military, new construction	2004..	D	S
		2003..	D	S
		2002..	D	X
3366116	Ships, self-propelled, nonmilitary, new construction	2004..	1 622 858	4
		2003..	1 502 000	3
		2002..	1 494 878	X
3366118	Ship repair, military	2004..	2 957 883	1
		2003..	2 835 650	1
		2002..	2 347 899	X
336611A	Ship repair, nonmilitary	2004..	D	S
		2003..	D	S
		2002..	D	X
336611W	Ship building and repairing, nsk, total	2004..	681 392	1
		2003..	574 515	5
		2002..	585 294	X
336612	Boat building	2004..	9 325 280	2
		2003..	7 926 279	2
		2002..	7 844 696	X
3366121	Motorboats, outboard, including commercial and military (except sailboats and lifeboats)	2004..	2 943 628	3
		2003..	2 399 967	5
		2002..	2 604 144	X
3366123	Motorboats, inboard, including commercial and military (except sailboats and lifeboats)	2004..	2 898 001	2
		2003..	2 449 417	2
		2002..	2 366 467	X
3366125	Inboard-outdrive boats, including commercial and military (except sailboats and lifeboats)	2004..	2 151 468	2
		2003..	1 773 309	3
		2002..	1 589 964	X
3366128	Boats, all other types, except military and commercial	2004..	596 301	6
		2003..	518 617	3
		2002..	504 368	X
336612W	Boat building, nsk, total	2004..	735 882	12
		2003..	784 970	5
		2002..	779 753	X
336991	Motorcycle, bicycle, and parts manufacturing	2004..	4 803 336	1
		2003..	4 400 583	2
		2002..	4 265 922	X
3369912	Bicycles, including parts (except children's two-wheel sidewalk cycles with solid or semipneumatic tires)	2004..	896 596	1
		2003..	850 263	4
		2002..	820 662	X
3369913	Motorcycles, including three-wheel, motorbikes, motor scooters, mopeds, and parts (including sidecars)	2004..	3 581 982	1
		2003..	3 361 725	1
		2002..	3 232 726	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336991	Motorcycle, bicycle, and parts manufacturing—Con.			
336991W	Motorcycle, bicycle, and parts manufacturing, nsk, total	2004..	324 758	6
		2003..	188 595	19
		2002..	212 534	X
336992	Military armored vehicle, tank, and tank component manufacturing	2004..	1 849 823	3
		2003..	1 809 929	1
		2002..	1 766 247	X
3369920	Military armored vehicles, tanks, and tank components	2004..	1 849 823	3
		2003..	1 809 929	1
		2002..	1 766 247	X
336999	All other transportation equipment manufacturing	2004..	7 710 095	1
		2003..	6 987 285	3
		2002..	6 971 959	X
3369991	Self-propelled golf carts and industrial in-plant personnel carriers, including parts	2004..	869 089	1
		2003..	862 015	8
		2002..	970 214	X
3369995	All other miscellaneous transportation equipment, including all-terrain vehicles.....	2004..	6 559 784	1
		2003..	5 908 019	3
		2002..	5 747 395	X
336999W	All other transportation equipment manufacturing, nsk, total	2004..	281 221	5
		2003..	217 250	10
		2002..	254 350	X
337110	Wood kitchen cabinet and countertop manufacturing	2004..	16 393 717	1
		2003..	14 642 811	1
		2002..	13 769 263	X
337110H	Wood kitchen cabinets, bathroom vanities, and related cabinetwork, custom, for permanent installation, sold directly to the customer at retail	2004..	3 356 397	2
		2003..	3 157 241	2
		2002..	2 921 538	X
3371101	Wood kitchen cabinets and related cabinetwork, stock line, for permanent installation.....	2004..	6 079 808	1
		2003..	5 270 942	1
		2002..	4 804 881	X
3371104	Wood kitchen cabinets and related cabinetwork, custom, other types (except kitchen cabinets and related cabinetwork sold directly to the customer at retail), for permanent installation	2004..	1 880 913	4
		2003..	1 550 148	3
		2002..	1 441 939	X
3371107	Wood bathroom vanities and related cabinetwork (except custom bathroom vanities and related cabinetwork), for permanent installation, sold directly to the customer at retail	2004..	1 333 826	1
		2003..	1 190 013	2
		2002..	958 169	X
337110B	Wood kitchen cabinet tops, wood and plastics laminated	2004..	782 837	5
		2003..	685 023	7
		2002..	728 326	X
337110F	Wood bathroom vanity tops, wood and plastics laminated	2004..	144 205	10
		2003..	162 474	10
		2002..	235 480	X
337110W	Wood kitchen cabinet and countertop manufacturing, nsk, total	2004..	2 815 731	5
		2003..	2 626 970	2
		2002..	2 678 930	X
337121	Upholstered household furniture manufacturing	2004..	10 249 977	1
		2003..	10 020 025	1
		2002..	10 216 683	X
3371211	Upholstered household furniture, except stock line dual-purpose sleep furniture, wood	2004..	8 711 535	1
		2003..	8 362 032	1
		2002..	8 708 520	X
3371213	Upholstered household furniture, except wood.....	2004..	268 574	10
		2003..	226 591	3
		2002..	107 838	X
3371214	Dual-purpose sleep furniture (including convertible sofas, jackknife sofa and chair beds, studio couches, and futons shipped with frames), except custom sold directly to the customer at retail	2004..	544 580	9
		2003..	537 041	3
		2002..	486 305	X
337121W	Upholstered household furniture manufacturing, nsk, total	2004..	725 287	13
		2003..	894 361	2
		2002..	914 020	X
337122	Nonupholstered wood household furniture manufacturing	2004..	9 736 331	1
		2003..	9 396 383	1
		2002..	10 441 977	X
3371221	Nonupholstered wood household furniture (including den, library, family and living room), except custom sold directly to the customer at retail	2004..	2 517 076	3
		2003..	2 317 703	4
		2002..	2 545 477	X
3371224	Nonupholstered wood dining room and kitchen furniture (except kitchen cabinets), except custom sold directly to the customer at retail	2004..	1 381 285	3
		2003..	1 227 361	4
		2002..	1 571 645	X
3371228	Nonupholstered wood bedroom furniture, except custom sold directly to the customer at retail	2004..	2 574 438	2
		2003..	2 517 645	1
		2002..	2 882 229	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
337122	Nonupholstered wood household furniture manufacturing—Con.		
337122A	Nonupholstered wood infants' and children's furniture, except custom sold directly to the customer at retail	2004.. 330 221	5
		2003.. 376 410	2
		2002.. 454 193	X
337122E	Nonupholstered wood furniture, other types, except custom	2004.. 1 588 736	3
		2003.. 1 614 554	4
		2002.. 1 842 094	X
337122H	Nonupholstered wood household furniture (except kitchen cabinets, bathroom vanities, and related cabinetwork), custom sold directly to the customer at retail	2004.. 153 486	17
		2003.. 114 261	7
		2002.. 116 026	X
337122W	Nonupholstered wood household furniture manufacturing, nsk, total	2004.. 1 191 090	7
		2003.. 1 228 449	4
		2002.. 1 030 313	X
337124	Metal household furniture manufacturing	2004.. 1 863 720	3
		2003.. 1 676 403	3
		2002.. 1 923 215	X
3371241	Metal household furniture, dining room and kitchen, including padded and plain chairs and stools	2004.. 162 908	21
		2003.. 224 153	8
		2002.. 247 844	X
3371244	Metal household furniture, outdoor and casual (including beach, lawn, garden, and porch)	2004.. 778 252	2
		2003.. 525 495	7
		2002.. 682 306	X
3371248	Metal household furniture, other types, nonupholstered	2004.. 673 776	1
		2003.. 708 623	2
		2002.. 708 928	X
337124W	Metal household furniture manufacturing, nsk, total	2004.. 248 784	15
		2003.. 218 131	15
		2002.. 284 137	X
337125	Household furniture (except wood and metal) manufacturing	2004.. 679 656	3
		2003.. 744 431	4
		2002.. 702 621	X
3371250	Household furniture, except wood and metal, nonupholstered	2004.. 679 656	3
		2003.. 744 431	4
		2002.. 702 621	X
337127	Institutional furniture manufacturing	2004.. 4 315 297	3
		2003.. 4 125 101	2
		2002.. 4 165 684	X
3371271	School furniture (except library), except stone and concrete	2004.. 824 924	3
		2003.. 882 112	4
		2002.. 813 253	X
3371274	Public building and related furniture (except bar, bowling center, cafeteria, restaurant, and school)	2004.. 1 142 047	4
		2003.. 1 229 628	5
		2002.. 1 282 560	X
3371278	Public furniture (bar, bowling center, cafeteria, and restaurant)	2004.. 1 057 453	10
		2003.. 819 447	4
		2002.. 895 509	X
337127A	Institutional furniture, other types	2004.. 781 254	4
		2003.. 710 327	4
		2002.. 693 327	X
337127W	Institutional furniture manufacturing, nsk, total	2004.. 509 619	8
		2003.. 483 587	3
		2002.. 481 035	X
337129	Wood television, radio, and sewing machine cabinet manufacturing	2004.. 243 210	7
		2003.. 332 460	2
		2002.. 372 553	X
3371290	Wood cabinets (television, radio, and sewing machine), used as housings	2004.. 243 210	7
		2003.. 332 460	2
		2002.. 372 553	X
337211	Wood office furniture manufacturing	2004.. 3 114 122	2
		2003.. 3 096 855	1
		2002.. 2 957 507	X
3372111	Wood office seating, including upholstered	2004.. 594 824	4
		2003.. 606 732	2
		2002.. 578 286	X
3372114	Wood office desks and desk extensions	2004.. 613 993	2
		2003.. 604 563	2
		2002.. 653 112	X
3372117	Wood office files, storage units, and tables	2004.. 815 683	3
		2003.. 696 579	3
		2002.. 665 164	X
337211A	Wood office furniture, other types (including panel and desking systems)	2004.. 886 836	2
		2003.. 940 793	2
		2002.. 803 563	X
337211W	Wood office furniture manufacturing, nsk, total	2004.. 202 787	23
		2003.. 248 188	2
		2002.. 257 382	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
337212	Custom architectural woodwork and millwork manufacturing	2004..	3 936 300	3
		2003..	3 690 991	2
		2002..	3 888 084	X
3372120	Custom architectural woodwork, millwork, and fixtures	2004..	3 936 300	3
		2003..	3 690 991	2
		2002..	3 888 084	X
337214	Office furniture (except wood) manufacturing	2004..	7 779 193	1
		2003..	7 126 280	2
		2002..	7 158 873	X
3372141	Office seating, including upholstered, except wood	2004..	1 718 071	1
		2003..	1 641 786	1
		2002..	1 657 007	X
3372144	Office desks and desk extensions, except wood	2004..	229 629	5
		2003..	197 688	15
		2002..	251 158	X
3372147	Office files, storage units, and tables, except wood	2004..	2 731 966	1
		2003..	2 512 089	1
		2002..	2 651 884	X
337214A	Office furniture, other types (including panel and desking systems), except wood	2004..	2 776 179	1
		2003..	2 566 985	3
		2002..	2 329 009	X
337214W	Office furniture (except wood) manufacturing, nsk, total	2004..	323 347	1
		2003..	207 733	28
		2002..	269 815	X
337215	Showcase, partition, shelving, and locker manufacturing	2004..	7 834 430	3
		2003..	7 893 162	2
		2002..	8 121 808	X
3372151	Lockers, partitions, and shelving (except custom), wood	2004..	180 307	5
		2003..	177 376	4
		2002..	166 677	X
3372155	Fixtures (bank, office, and store), wood, except custom	2004..	1 253 767	4
		2003..	1 505 908	5
		2002..	1 488 473	X
3372157	Partitions, prefabricated, assembled and knock-down, except wood	2004..	233 017	3
		2003..	237 893	6
		2002..	257 969	X
337215A	Shelving and lockers, except wood	2004..	771 426	5
		2003..	1 069 842	3
		2002..	1 062 168	X
337215E	Storage racks and accessories, except wood	2004..	1 109 052	6
		2003..	1 000 191	3
		2002..	958 124	X
337215G	Fixtures (bank, office, and store), except wood	2004..	1 478 176	4
		2003..	1 396 459	5
		2002..	1 383 440	X
337215J	Frames, furniture, wood	2004..	281 847	7
		2003..	256 062	7
		2002..	300 038	X
337215L	Furniture dimensions, fully machined ready for assembly, hardwood and softwood	2004..	796 155	5
		2003..	1 050 715	2
		2002..	898 106	X
337215W	Showcase, partition, shelving, and locker manufacturing, nsk, total	2004..	1 730 683	14
		2003..	1 198 717	10
		2002..	1 606 813	X
337910	Mattress manufacturing	2004..	5 752 416	2
		2003..	5 133 926	3
		2002..	4 933 086	X
3379101	Mattresses, innerspring (including polyurethane, rubber topper pads, and mattresses sold as part of Hollywood beds), except crib-size	2004..	3 311 217	1
		2003..	3 061 906	4
		2002..	2 820 056	X
3379104	Mattresses, other types	2004..	506 146	16
		2003..	508 699	6
		2002..	486 185	X
3379107	Foundations, except innerspring units and foundations incorporated into hybrid-type flotation sleep ensembles and electric adjustable sleep ensembles	2004..	1 441 563	2
		2003..	1 202 704	7
		2002..	1 234 994	X
337910A	Sleep system ensembles and mattresses, except conventional waterbeds	2004..	147 056	2
		2003..	122 181	5
		2002..	97 632	X
337910W	Mattress manufacturing, nsk, total	2004..	346 434	1
		2003..	238 435	15
		2002..	294 219	X
337920	Blind and shade manufacturing	2004..	2 502 149	3
		2003..	2 370 998	2
		2002..	2 507 097	X
3379202	Window shades, including accessories and rollers	2004..	789 243	3
		2003..	626 816	4
		2002..	609 578	X
3379204	Venetian blinds, including components and parts	2004..	701 165	4
		2003..	832 886	3
		2002..	929 737	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class	Year	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
337920	Blind and shade manufacturing—Con.			
3379208	Blinds and shades, other types (including curtain and drapery fixtures, poles, and rods)	2004..	838 251	3
		2003..	758 117	3
		2002..	785 026	X
337920W	Blind and shade manufacturing, nsk, total	2004..	173 490	27
		2003..	153 179	15
		2002..	182 756	X
339111	Laboratory apparatus and furniture manufacturing	2004..	5 172 727	1
		2003..	5 013 579	4
		2002..	4 622 088	X
3391114	Hospital beds	2004..	800 269	1
		2003..	909 011	24
		2002..	765 977	X
3391116	Hospital furniture	2004..	1 054 779	3
		2003..	905 436	1
		2002..	882 281	X
3391118	Laboratory apparatus and furniture ²	2004..	3 097 575	2
		2003..	2 981 009	1
		2002..	2 801 907	X
339111W	Laboratory apparatus and furniture manufacturing, nsk, total	2004..	220 104	18
		2003..	218 123	7
		2002..	171 923	X
339112	Surgical and medical instrument manufacturing	2004..	22 840 637	2
		2003..	21 430 779	3
		2002..	20 450 459	X
3391120	Surgical and medical instruments	2004..	22 840 637	2
		2003..	21 430 779	3
		2002..	20 450 459	X
339113	Surgical appliance and supplies manufacturing	2004..	25 027 618	1
		2003..	24 719 591	1
		2002..	22 088 291	X
3391132	Surgical appliances and supplies, including orthopedic, prosthetic, and therapeutic	2004..	20 194 374	1
		2003..	20 135 399	2
		2002..	17 992 253	X
3391136	Personal safety equipment and clothing, industrial and nonindustrial	2004..	3 404 166	1
		2003..	3 191 888	3
		2002..	2 797 747	X
339113W	Surgical appliance and supplies manufacturing, nsk, total	2004..	1 429 078	3
		2003..	1 392 304	5
		2002..	1 298 291	X
339114	Dental equipment and supplies manufacturing	2004..	3 394 706	2
		2003..	3 085 453	1
		2002..	2 970 171	X
3391141	Dental equipment and supplies, professional	2004..	2 313 621	1
		2003..	1 976 268	1
		2002..	1 958 379	X
3391143	Dental equipment and supplies, laboratory	2004..	754 959	4
		2003..	769 127	3
		2002..	741 052	X
339114W	Dental equipment and supplies manufacturing, nsk, total	2004..	326 126	16
		2003..	340 058	5
		2002..	270 740	X
339115	Ophthalmic goods manufacturing	2004..	4 549 332	2
		2003..	4 491 501	5
		2002..	4 277 169	X
3391151	Ophthalmic fronts and temples	2004..	166 521	8
		2003..	160 544	1
		2002..	167 114	X
3391153	Ophthalmic focal lenses, glass	2004..	44 862	8
		2003..	36 767	1
		2002..	43 083	X
3391155	Ophthalmic focal lenses, plastics	2004..	890 662	3
		2003..	856 171	8
		2002..	823 909	X
3391157	Ophthalmic focal lenses, contact	2004..	1 954 771	1
		2003..	1 931 245	9
		2002..	1 852 962	X
339115B	Ophthalmic goods, other types, including prescription ground eyeglass lenses	2004..	1 151 386	3
		2003..	1 059 872	2
		2002..	1 019 069	X
339115W	Ophthalmic goods manufacturing, nsk, total	2004..	341 130	17
		2003..	446 904	22
		2002..	371 032	X
339116	Dental laboratories	2004..	3 576 389	3
		2003..	3 439 218	4
		2002..	3 096 988	X
3391160	Dental laboratories	2004..	3 576 389	3
		2003..	3 439 218	4
		2002..	3 096 988	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
339911	Jewelry (except costume) manufacturing	2004..	5 920 732	2
		2003..	5 803 953	1
		2002..	5 515 121	X
3399111	Jewelry, gold and platinum, except gold and platinum clad or plated to silver and nonprecious metals	2004..	3 699 572	2
		2003..	3 669 956	1
		2002..	3 478 305	X
3399113	Jewelry, silver (including gold and platinum clad or plated to silver), except silver clad or plated to nonprecious metals	2004..	941 821	4
		2003..	830 107	3
		2002..	758 630	X
3399115	Jewelry, other metals and types, except costume	2004..	607 057	4
		2003..	662 065	2
		2002..	644 423	X
3399117	Stamped metal coins, including tokens	2004..	35 907	2
		2003..	32 913	9
		2002..	35 048	X
339911W	Jewelry (except costume) manufacturing, nsk, total	2004..	636 376	8
		2003..	608 912	7
		2002..	598 715	X
339912	Silverware and hollowware manufacturing	2004..	325 715	5
		2003..	348 089	4
		2002..	424 771	X
3399122	Hollowware (including baby goods, ecclesiastical ware, novelties, toiletware, and trophies), precious metal and pewter	2004..	126 173	10
		2003..	145 188	10
		2002..	122 197	X
3399125	Silverware (flatware and cutlery) (including knives, forks, spoons, and carving sets made wholly of metal), precious metal and pewter	2004..	151 747	1
		2003..	163 116	1
		2002..	266 453	X
339912W	Silverware and hollowware manufacturing, nsk, total	2004..	47 795	23
		2003..	39 786	8
		2002..	36 121	X
339913	Jewelers' material and lapidary work manufacturing	2004..	1 107 659	4
		2003..	1 077 348	1
		2002..	1 051 634	X
3399132	Lapidary work (including cutting, engraving, and polishing precious stones, semiprecious stones, natural or cultured pearls, and diamonds for jewelry and industrial purposes), except for watch jewels	2004..	444 098	1
		2003..	373 688	1
		2002..	346 217	X
3399133	Jewelers' findings and materials, precious metal (excluding gold, platinum, and silver plated to nonprecious metal)	2004..	529 020	4
		2003..	563 791	1
		2002..	581 336	X
3399135	Other jewelers' findings and materials, including gold, platinum, and silver plated to nonprecious metal	2004..	46 950	7
		2003..	55 711	9
		2002..	45 480	X
339913W	Jewelers' material and lapidary work manufacturing, nsk, total	2004..	87 590	49
		2003..	84 158	9
		2002..	78 601	X
339914	Costume jewelry and novelty manufacturing	2004..	783 325	5
		2003..	838 871	7
		2002..	836 011	X
3399140	Costume jewelry and novelties	2004..	783 325	5
		2003..	838 871	7
		2002..	836 011	X
339920	Sporting and athletic goods manufacturing	2004..	10 932 472	1
		2003..	11 158 759	1
		2002..	10 778 755	X
3399201	Fishing tackle and equipment	2004..	707 436	4
		2003..	646 135	4
		2002..	652 590	X
3399203	Golf equipment, except apparel and shoes	2004..	2 650 693	2
		2003..	2 976 276	1
		2002..	2 813 177	X
3399205	Playground equipment	2004..	874 134	4
		2003..	829 692	2
		2002..	861 858	X
3399207	Gymnasium and exercise equipment	2004..	2 632 057	1
		2003..	2 720 152	4
		2002..	2 270 713	X
339920A	Other sporting and athletic goods	2004..	3 201 930	2
		2003..	3 107 542	3
		2002..	3 377 637	X
339920W	Sporting and athletic goods manufacturing, nsk, total	2004..	866 223	14
		2003..	878 962	4
		2002..	802 780	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
339931	Doll and stuffed toy manufacturing	2004..	142 536	10
		2003..	202 409	9
		2002..	272 644	X
3399310	Dolls, toy animals, action figures, and stuffed toys (including parts and accessories)	2004..	142 536	10
		2003..	202 409	9
		2002..	272 644	X
339932	Game, toy, and children's vehicle manufacturing	2004..	3 037 898	3
		2003..	3 094 849	1
		2002..	3 227 861	X
3399322	Baby carriages and children's vehicles (including parts for children's vehicles sold separately), excluding bicycles with pneumatic tires	2004..	209 037	1
		2003..	174 580	2
		2002..	170 332	X
3399327	Nonelectronic games and puzzles, including parts	2004..	345 577	8
		2003..	409 927	4
		2002..	393 756	X
3399326	Models (operating and static), craft kits and supplies, natural science kits and sets, and collectors' miniatures	2004..	536 709	10
		2003..	483 603	2
		2002..	495 042	X
3399329	Other electronic toys and games (including home video games), except cartridges, disks, and tapes	2004..	831 519	8
		2003..	784 559	1
		2002..	747 123	X
3399328	Other nonelectronic toys, including parts	2004..	836 434	5
		2003..	963 980	2
		2002..	1 168 912	X
339932W	Game, toy, and children's vehicle manufacturing, nsk, total	2004..	278 621	5
		2003..	278 200	6
		2002..	252 696	X
339941	Pen and mechanical pencil manufacturing	2004..	1 309 448	2
		2003..	1 329 944	1
		2002..	1 332 462	X
3399411	Ballpoint and roller pens	2004..	599 832	2
		2003..	634 026	1
		2002..	623 804	X
3399413	Markers	2004..	491 762	2
		2003..	472 313	1
		2002..	488 173	X
3399415	Other pens, mechanical pencils, and parts for pens, markers, and mechanical pencils	2004..	185 053	7
		2003..	185 270	2
		2002..	192 772	X
339941W	Pen and mechanical pencil manufacturing, nsk, total	2004..	32 801	3
		2003..	38 335	12
		2002..	27 713	X
339942	Lead pencil and art good manufacturing	2004..	951 050	2
		2003..	1 104 981	5
		2002..	1 162 902	X
3399421	Nonmechanical (wood-cased) pencils, graphite and colored sticks, chalk, crayons, and blackboards	2004..	411 174	1
		2003..	497 143	3
		2002..	505 638	X
3399423	Artists' equipment and materials	2004..	335 752	3
		2003..	446 411	8
		2002..	406 327	X
3399427	Nonelectric office machines (including gummed tape moisteners, paper cutters and trimmers, pencil sharpeners, perforators, punches, scalers for gummed tape, staple removers, and staplers) ²	2004..	105 777	17
		2003..	98 513	47
		2002..	170 810	X
339942W	Lead pencil and art good manufacturing, nsk, total	2004..	98 346	2
		2003..	62 915	19
		2002..	80 127	X
339943	Marking device manufacturing	2004..	522 603	7
		2003..	527 608	4
		2002..	520 021	X
3399430	Marking devices	2004..	522 603	7
		2003..	527 608	4
		2002..	520 021	X
339944	Carbon paper and inked ribbon manufacturing	2004..	534 437	5
		2003..	544 214	2
		2002..	636 563	X
3399441	Inked ribbons	2004..	423 906	6
		2003..	437 839	2
		2002..	506 799	X
3399443	Carbon paper and stencil paper	2004..	82 190	1
		2003..	72 290	4
		2002..	90 137	X
339944W	Carbon paper and inked ribbon manufacturing, nsk, total	2004..	28 340	45
		2003..	34 085	8
		2002..	39 627	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
339950	Sign manufacturing	2004..	8 866 136	2
		2003..	8 987 500	1
		2002..	8 812 077	X
3399501	Electric signs	2004..	2 806 958	3
		2003..	2 665 243	2
		2002..	2 577 775	X
3399503	Nonelectric signs and displays, including counter, floor, and point-of-purchase displays	2004..	3 268 963	3
		2003..	3 206 648	2
		2002..	3 149 985	X
3399505	Advertising specialties	2004..	1 053 490	4
		2003..	1 268 956	4
		2002..	1 305 863	X
339950W	Sign manufacturing, nsk, total	2004..	1 736 725	9
		2003..	1 846 653	3
		2002..	1 778 454	X
339991	Gasket, packing, and sealing device manufacturing	2004..	5 092 282	2
		2003..	4 829 144	2
		2002..	5 006 382	X
3399911	Packing, compression type	2004..	320 920	4
		2003..	329 077	21
		2002..	310 725	X
3399913	Gaskets and gasketing, nonmetallic	2004..	1 593 269	2
		2003..	1 438 721	4
		2002..	1 486 565	X
3399915	Packing and seals, molded	2004..	1 299 491	4
		2003..	1 258 722	2
		2002..	1 215 591	X
3399917	Gaskets and seals, metallic and machined	2004..	785 748	5
		2003..	724 347	2
		2002..	761 102	X
3399918	Seals, axial, mechanical face, including parts	2004..	191 607	7
		2003..	204 432	3
		2002..	207 334	X
3399919	Seals, rotary oil	2004..	459 458	5
		2003..	465 509	9
		2002..	558 796	X
339991W	Gasket, packing, and sealing device manufacturing, nsk, total	2004..	441 790	10
		2003..	408 335	5
		2002..	466 269	X
339992	Musical instrument manufacturing	2004..	1 609 888	2
		2003..	1 669 730	4
		2002..	1 705 905	X
3399921	Pianos, nonelectronic	2004..	149 100	16
		2003..	173 245	1
		2002..	173 794	X
3399923	Organs	2004..	98 824	2
		2003..	83 549	14
		2002..	105 608	X
3399925	Pianos (nonelectronic) and organs, parts, except benches	2004..	32 953	3
		2003..	32 952	1
		2002..	49 941	X
3399927	Musical instruments, other types, including parts	2004..	1 257 631	2
		2003..	1 304 241	5
		2002..	1 308 744	X
339992W	Musical instrument manufacturing, nsk, total	2004..	71 379	2
		2003..	75 743	10
		2002..	67 818	X
339993	Fastener, button, needle, and pin manufacturing	2004..	624 272	4
		2003..	607 297	3
		2002..	629 636	X
3399931	Buttons and button parts, including button backs, blanks, and molds (excluding buttons and button parts made of precious metals and precious and semiprecious stones)	2004..	188 511	8
		2003..	207 126	6
		2002..	203 639	X
3399933	Zippers and slide fasteners, excluding zippers and slide fasteners made of precious metals and precious and semiprecious stones	2004..	149 745	1
		2003..	125 153	2
		2002..	133 255	X
3399935	Buckles, fasteners (except slide fasteners), needles, and pins, excluding those made of precious metals and precious and semiprecious stones	2004..	209 596	4
		2003..	206 258	5
		2002..	222 580	X
339993W	Fastener, button, needle, and pin manufacturing, nsk, total	2004..	76 420	21
		2003..	68 760	1
		2002..	70 162	X
339994	Broom, brush, and mop manufacturing	2004..	2 032 250	2
		2003..	2 035 381	6
		2002..	2 049 503	X
3399941	Brooms, mops, and dusters	2004..	565 751	4
		2003..	545 444	21
		2002..	546 110	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2004 and Earlier Years—Con.

[Includes value of product shipments produced by (1) establishments classified in the NAICS industry that matches the first six digits of the product code (primary products), and (2) establishments classified in other industries (secondary products). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
339994	Broom, brush, and mop manufacturing—Con.			
3399943	Brushes and holders, pads, roller frames and rollers (including replacement rollers), paint and varnish	2004..	551 453	3
		2003..	475 402	1
		2002..	490 584	X
3399945	Brushes, other types	2004..	788 675	2
		2003..	877 297	3
		2002..	862 496	X
339994W	Broom, brush, and mop manufacturing, nsk, total	2004..	126 372	7
		2003..	137 237	4
		2002..	150 313	X
339995	Burial casket manufacturing	2004..	813 763	4
		2003..	922 240	1
		2002..	1 188 319	X
3399951	Burial caskets and coffins, completely lined and trimmed, adult sizes only, metal	2004..	526 548	5
		2003..	470 565	2
		2002..	778 673	X
3399953	Burial caskets and coffins, completely lined and trimmed, adult sizes only, wood	2004..	184 944	7
		2003..	305 880	2
		2002..	273 709	X
3399955	Burial caskets and coffins, other types (including burial boxes and vaults (except concrete and stone), casket shells, casket shipping cases and containers, and children's)	2004..	51 606	24
		2003..	90 681	4
		2002..	81 462	X
339995W	Burial casket manufacturing, nsk, total	2004..	50 664	1
		2003..	55 114	2
		2002..	54 475	X
339999	All other miscellaneous manufacturing	2004..	12 960 925	2
		2003..	13 262 890	1
		2002..	12 417 920	X
3399991	Fire extinguishing equipment, hand-portable and fixed-system (except water sprinkler systems), including parts and attachments	2004..	691 619	1
		2003..	664 979	3
		2002..	627 804	X
3399993	Coin-operated amusement machines, except jukeboxes	2004..	1 498 377	4
		2003..	1 463 822	1
		2002..	1 198 531	X
3399995	Candles, including tapers	2004..	1 231 114	2
		2003..	1 343 069	2
		2002..	1 266 915	X
3399997	Umbrellas and parasols, including parts	2004..	66 115	1
		2003..	68 252	3
		2002..	70 201	X
3399999	Artificial trees, flowers, fruits, and wreaths, including feathers and plumes	2004..	249 214	3
		2003..	274 594	3
		2002..	260 711	X
339999E	Mirror and picture frames and framed pictures	2004..	1 088 756	7
		2003..	1 198 745	4
		2002..	1 435 148	X
339999K	Other miscellaneous fabricated products	2004..	5 458 590	2
		2003..	5 429 516	1
		2002..	5 022 212	X
339999W	All other miscellaneous manufacturing, nsk, total	2004..	2 677 140	10
		2003..	2 819 914	3
		2002..	2 536 398	X

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

²Additional data are available for this product class in the Current Industrial Report (CIR) series. See Appendix F for CIR survey number and title.

³This product class is primary to more than one industry. See industry 325110, product class 3251101.

⁴This product class is primary to more than one industry. See industry 324110, product class 324110T.

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. Products Primary to More Than One Industry—Value of Shipments by Product Class: 2004 and Earlier Years

[Product codes that include an "XX" are nonstandard codes used to present totals of products' primary relationships. These totals include data of more than one 7-digit product class. All products of the product classes presented in this table may not be primary to more than one industry. For detailed product data, see the 2002 Economic Census, Manufacturing Product Summary, Table 4. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311XXAA	Pork, processed or cured, not canned or made into sausage	2004..	8 793 588	3
		2003..	8 306 425	2
		2002..	7 502 517	X
311611G	Pork, processed or cured, not canned or made into sausage, made in slaughtering plants	2004..	2 567 131	7
		2003..	2 217 026	5
		2002..	2 273 712	X
3116121	Pork, processed or cured, not canned or made into sausage, made from purchased carcasses	2004..	6 226 457	2
		2003..	6 089 399	3
		2002..	5 228 805	X
311XXBB	Sausage and similar products, except canned	2004..	9 361 017	2
		2003..	9 065 089	2
		2002..	8 314 969	X
311611J	Sausage and similar products, except canned, made in slaughtering plants	2004..	2 225 387	2
		2003..	2 295 302	4
		2002..	2 006 968	X
3116124	Sausage and similar products, except canned, made from purchased carcasses	2004..	7 135 630	2
		2003..	6 769 787	2
		2002..	6 308 001	X
311XXCC	Canned meats (except dog, cat, and baby food)	2004..	1 837 705	1
		2003..	1 537 483	3
		2002..	1 317 130	X
311611M	Canned meats (except dog, cat, and baby food), made in slaughtering plants	2004..	191 711	1
		2003..	195 077	8
		2002..	169 049	X
3116127	Canned meats (except dog, cat, and baby food), made from purchased carcasses	2004..	1 645 994	1
		2003..	1 342 406	3
		2002..	1 148 081	X
311XXDD	Prepared flour mixes (including refrigerated and frozen doughs and batters)	2004..	6 257 584	5
		2003..	5 656 064	1
		2002..	5 110 950	X
311211A	Prepared flour mixes, including refrigerated and frozen doughs and batters, made in flour mills	2004..	734 927	1
		2003..	630 270	1
		2002..	565 584	X
3118220	Prepared flour mixes, including refrigerated and frozen doughs and batters, made from purchased flour	2004..	5 522 657	5
		2003..	5 025 794	1
		2002..	4 545 366	X
311XXEE	Chocolate and chocolate-type confectionery products	2004..	10 101 407	3
		2003..	9 250 550	1
		2002..	9 150 679	X
3113204	Chocolate and chocolate-type confectionery products, made from cacao beans	2004..	1 988 736	15
		2003..	1 674 214	1
		2002..	2 028 528	X
3113301	Chocolate and chocolate-type confectionery products, made from purchased chocolate not retailed at manufacturing establishment	2004..	7 830 650	1
		2003..	7 312 891	1
		2002..	6 919 670	X
3113302	Chocolate and chocolate-type confectionery products, made from purchased chocolate retailed at manufacturing establishment	2004..	282 021	6
		2003..	263 445	2
		2002..	202 481	X
313XXAA	Textured, crimped, and bulked filament yarns	2004..	8 821 582	2
		2003..	9 306 574	1
		2002..	9 326 138	X
3131125	Yarns, textured, crimped, and bulked, filament, including stretch, made from purchased yarn	2004..	2 575 602	2
		2003..	2 354 265	1
		2002..	2 615 028	X
3252210	Rayon, acetate, and lyocell manufactured fibers	2004..	1 082 381	1
		2003..	1 009 042	1
		2002..	969 543	X
3252221	Nylon and other polyamide manufactured fibers	2004..	2 381 782	5
		2003..	2 866 954	1
		2002..	2 644 689	X
3252224	Polyolefin manufactured fibers	2004..	425 162	1
		2003..	426 685	3
		2002..	420 089	X
3252227	Polyester manufactured fibers	2004..	1 883 420	1
		2003..	1 779 999	1
		2002..	1 811 506	X
325222A	Other manufactured noncellulosic fibers (excluding glass, carbon, and graphite)	2004..	473 236	11
		2003..	869 628	1
		2002..	865 283	X

See footnotes at end of table.

Table 2. Products Primary to More Than One Industry—Value of Shipments by Product Class: 2004 and Earlier Years—Con.

[Product codes that include an "XX" are nonstandard codes used to present totals of products' primary relationships. These totals include data of more than one 7-digit product class. All products of the product classes presented in this table may not be primary to more than one industry. For detailed product data, see the 2002 Economic Census, Manufacturing Product Summary, Table 4. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
313XXBB	Finished cotton broadwoven fabrics	2004..	1 717 968	3
		2003..	2 107 958	2
		2002..	2 287 046	X
3132109	Broadwoven fabrics, cotton, finished in weaving mills	2004..	333 256	10
		2003..	466 890	1
		2002..	538 804	X
3133111	Broadwoven fabrics, cotton, finished in finishing mills	2004..	1 384 713	3
		2003..	1 641 067	3
		2002..	1 748 242	X
313XXCC	Fabricated textile products	2004..	6 379 415	2
		2003..	6 396 454	1
		2002..	6 983 545	X
313210D	Fabricated textile products, made in weaving mills ²	2004..	1 029 641	8
		2003..	1 200 272	1
		2002..	1 362 943	X
3141293	Sheets and pillowcases, made from purchased materials	2004..	1 116 193	3
		2003..	1 151 776	1
		2002..	1 363 386	X
3141291	Bedspreads, made from purchased materials	2004..	189 281	8
		2003..	183 535	2
		2002..	185 292	X
3141295	Towels and washcloths, made from purchased materials	2004..	597 691	2
		2003..	597 115	1
		2002..	587 024	X
3141296	Other household furnishings, made from purchased materials ²	2004..	3 446 609	2
		2003..	3 263 756	1
		2002..	3 484 900	X
313XXDD	Finished manmade fiber and silk broadwoven fabrics	2004..	2 920 253	2
		2003..	3 421 004	2
		2002..	3 605 138	X
313210P	Broadwoven fabrics, manmade fiber and silk, finished in weaving mills	2004..	1 294 583	2
		2003..	1 308 477	1
		2002..	1 394 156	X
3133115	Broadwoven fabrics, manmade fiber and silk, finished in finishing mills	2004..	1 625 670	4
		2003..	2 112 527	4
		2002..	2 210 982	X
315XXAA	Men's and boys' knit dress and sport shirts (including polo, tank tops, sweat and t-shirts)	2004..	1 157 280	4
		2003..	1 233 172	5
		2002..	1 536 360	X
3151917	Shirts, dress and sport (including polo, tank tops, sweat and t-shirts), knit, men's and boys', made in knitting mills	2004..	254 027	14
		2003..	380 518	2
		2002..	454 825	X
3152231	Men's and boys' knit dress and sport shirts (including polo, tank tops, sweat and t-shirts), made from purchased fabrics	2004..	903 253	4
		2003..	852 654	7
		2002..	1 081 535	X
315XXBB	Men's and boys' knit underwear, nightwear, and robes (including thermal, undershirts, undershorts and briefs, and woven boxer shorts)	2004..	D	S
		2003..	D	S
		2002..	584 383	X
3151921	Underwear, nightwear, and robes, men's and boys', knit, made in knitting mills	2004..	D	S
		2003..	D	S
		2002..	338 232	X
3152210	Men's and boys' knit underwear, nightwear, and robes, made from purchased fabrics	2004..	150 264	14
		2003..	178 269	23
		2002..	246 151	X
315XXCC	Women's, girls', and infants' knit underwear and nightwear	2004..	1 613 732	1
		2003..	1 797 233	2
		2002..	2 246 740	X
3151924	Underwear and nightwear, women's, girls', and infants', knit, made in knitting mills	2004..	178 578	1
		2003..	215 899	4
		2002..	434 039	X
3152311	Women's and girls' underwear, except foundation garments, made from purchased fabrics	2004..	253 078	3
		2003..	225 244	13
		2002..	367 037	X
3152313	Women's and girls' nightwear, except robes, made from purchased fabrics	2004..	206 500	4
		2003..	234 959	3
		2002..	256 728	X
3152315	Women's and girls' brassieres, bra-lettes, and bandeaux, made from purchased fabrics	2004..	857 570	1
		2003..	1 021 217	2
		2002..	1 065 703	X
3152318	Women's and girls' corsets (except surgical), girdles, and combinations, made from purchased fabrics	2004..	54 819	1
		2003..	42 280	10
		2002..	56 450	X
3152319	Women's and girls' robes and dressing gowns, made from purchased fabrics	2004..	63 186	1
		2003..	57 634	4
		2002..	66 783	X

See footnotes at end of table.

Table 2. Products Primary to More Than One Industry—Value of Shipments by Product Class: 2004 and Earlier Years—Con.

[Product codes that include an "XX" are nonstandard codes used to present totals of products' primary relationships. These totals include data of more than one 7-digit product class. All products of the product classes presented in this table may not be primary to more than one industry. For detailed product data, see the 2002 Economic Census, Manufacturing Product Summary, Table 4. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315XXCC 3152910	Women's, girls', and infants' knit underwear and nightwear—Con. Infants' apparel, made from purchased fabrics ²	2004..	95 727	6
		2003..	134 789	9
		2002..	240 606	X
315XXDD	Gloves and mittens	2004..	164 414	5
		2003..	141 686	21
		2002..	173 465	X
315191G	Gloves and mittens, made in knitting mills	2004..	47 329	16
		2003..	47 957	4
		2002..	54 562	X
3159921	Gloves and mittens, made from purchased fabrics	2004..	39 099	3
		2003..	35 442	83
		2002..	58 979	X
3159923	Gloves and mittens, leather-and-fabric combinations, made from purchased leather and fabrics	2004..	13 293	5
		2003..	13 385	2
		2002..	13 317	X
3159925	Gloves and mittens, all leather, made from purchased leather	2004..	64 693	5
		2003..	44 902	1
		2002..	46 607	X
321XXAA	Hardwood lumber	2004..	6 204 871	4
		2003..	5 612 318	4
		2002..	4 864 817	X
3211131	Hardwood lumber, made in sawmills	2004..	4 637 453	4
		2003..	4 249 055	2
		2002..	3 780 678	X
3219121	Hardwood lumber, made from purchased lumber	2004..	1 567 418	9
		2003..	1 363 263	15
		2002..	1 084 139	X
321XXBB	Softwood lumber.....	2004..	16 268 437	1
		2003..	13 324 473	1
		2002..	12 852 493	X
3211133	Softwood lumber, made in sawmills	2004..	14 131 941	1
		2003..	11 525 832	1
		2002..	11 128 870	X
3219123	Softwood lumber, made from purchased lumber	2004..	2 136 496	3
		2003..	1 798 642	1
		2002..	1 723 623	X
322XXAA	Disposable diapers and similar disposable products	2004..	D	S
		2003..	D	S
		2002..	D	X
322121K	Disposable diapers and similar disposable products, made in paper mills.....	2004..	D	S
		2003..	D	S
		2002..	D	X
3222912	Disposable diapers and similar disposable products, made from purchased sanitary paper stock or wadding	2004..	4 342 874	2
		2003..	4 655 310	1
		2002..	4 843 482	X
322XXBB	Sanitary tissue paper products	2004..	14 336 702	1
		2003..	15 420 425	1
		2002..	16 410 863	X
322121N	Sanitary tissue paper products, made in paper mills	2004..	11 463 401	1
		2003..	12 067 739	1
		2002..	12 560 475	X
3222915	Sanitary tissue paper products, made from purchased sanitary paper stock or wadding	2004..	2 873 301	1
		2003..	3 352 686	1
		2002..	3 850 388	X
324XXAA	Petroleum lubricating oils and greases	2004..	9 558 731	2
		2003..	8 791 942	3
		2002..	7 758 070	X
324110G	Petroleum lubricating oils and greases, made in a refinery	2004..	2 034 397	3
		2003..	1 478 311	1
		2002..	1 332 180	X
3241910	Petroleum lubricating oils and greases, made from refined petroleum	2004..	7 524 334	2
		2003..	7 313 631	3
		2002..	6 425 890	X
324XXBB	Liquefied refinery gases (aliphatics)	2004..	26 467 340	1
		2003..	18 852 205	1
		2002..	14 711 543	X
324110P	Liquefied refinery gases (aliphatics), made in a refinery	2004..	10 501 869	1
		2003..	8 212 915	1
		2002..	6 548 475	X
3251104	Liquefied refinery gases (aliphatics), made in petrochemical plants	2004..	15 965 471	1
		2003..	10 639 290	1
		2002..	8 163 068	X

See footnotes at end of table.

Table 2. Products Primary to More Than One Industry—Value of Shipments by Product Class: 2004 and Earlier Years—Con.

[Product codes that include an "XX" are nonstandard codes used to present totals of products' primary relationships. These totals include data of more than one 7-digit product class. All products of the product classes presented in this table may not be primary to more than one industry. For detailed product data, see the 2002 Economic Census, Manufacturing Product Summary, Table 4. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
324XXDD	Other finished petroleum products, including waxes	2004..	13 485 350	1
		2003..	10 327 908	2
		2002..	9 001 599	X
324110T	Other finished petroleum products, including waxes, made in a refinery ³	2004..	12 279 685	1
		2003..	8 957 541	2
		2002..	7 695 467	X
3241992	All other petroleum and coal products (excluding coke oven products), made in coke oven establishments	2004..	1 205 665	3
		2003..	1 370 367	5
		2002..	1 306 132	X
325XXAA	Mixed fertilizers	2004..	3 390 065	2
		2003..	3 136 983	2
		2002..	2 997 357	X
3253127	Mixed fertilizers, made in plants which manufacture fertilizer materials	2004..	228 251	8
		2003..	217 944	1
		2002..	219 998	X
3253140	Mixed fertilizers, mixing only	2004..	3 161 814	2
		2003..	2 919 039	2
		2002..	2 777 359	X
327XXAA	Other glass products	2004..	7 937 759	2
		2003..	7 217 122	2
		2002..	7 165 341	X
3272114	Other glass products, made by flat glass producers	2004..	834 819	2
		2003..	781 829	3
		2002..	683 748	X
327215B	Other glass products, made from purchased glass ²	2004..	7 102 940	2
		2003..	6 435 294	2
		2002..	6 481 593	X
327XXBB	Machine-made pressed and blown table, kitchen, art, and novelty glassware	2004..	1 090 240	2
		2003..	1 515 978	1
		2002..	1 624 806	X
3272123	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made by glass producers	2004..	942 409	1
		2003..	880 491	1
		2002..	970 555	X
3272151	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made from purchased glass	2004..	147 831	16
		2003..	635 487	3
		2002..	654 251	X
327XXCC	Machine-made pressed and blown glassware (excluding table, kitchen, art, and novelty)	2004..	2 288 493	4
		2003..	2 322 957	1
		2002..	2 884 545	X
3272125	Machine-made pressed and blown lighting, automotive, and electronic glassware, made by glass producers	2004..	544 300	3
		2003..	741 404	1
		2002..	1 399 910	X
3272127	All other machine-made pressed and blown glassware (including technical and scientific glassware, glass blocks, and lens blanks), made by glass producers	2004..	783 565	7
		2003..	734 707	1
		2002..	629 964	X
3272153	All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made from purchased glass	2004..	960 627	9
		2003..	846 846	3
		2002..	854 671	X
327XXDD	Handmade pressed and blown glassware	2004..	247 536	4
		2003..	240 465	4
		2002..	253 462	X
3272129	Handmade pressed and blown glassware, made by glass producers	2004..	133 734	1
		2003..	112 040	8
		2002..	118 784	X
3272155	Handmade pressed and blown glassware, made from purchased glass	2004..	113 802	8
		2003..	128 425	1
		2002..	134 678	X
331XXAA	Coke oven and blast furnace products	2004..	1 748 386	3
		2003..	1 765 184	2
		2002..	1 489 347	X
3311111	Coke oven and blast furnace products, made in steel mills	2004..	1 092 051	5
		2003..	1 187 379	2
		2002..	947 986	X
3241991	Coke oven and blast furnace products, made in coke oven establishments	2004..	656 335	1
		2003..	577 805	1
		2002..	541 361	X
331XXBB	Steel wire, including galvanized and other coated wire	2004..	2 729 691	2
		2003..	2 194 526	1
		2002..	2 348 481	X
3311119	Steel wire, including galvanized and other coated wire, made in steel mills producing wire rods or hot rolled bars	2004..	947 330	5
		2003..	557 202	2
		2002..	591 422	X
3312225	Steel wire, including galvanized and other coated wire, made in plants that draw wire	2004..	1 782 362	3
		2003..	1 637 324	2
		2002..	1 757 059	X

See footnotes at end of table.

Table 2. Products Primary to More Than One Industry—Value of Shipments by Product Class: 2004 and Earlier Years—Con.

[Product codes that include an "XX" are nonstandard codes used to present totals of products' primary relationships. These totals include data of more than one 7-digit product class. All products of the product classes presented in this table may not be primary to more than one industry. For detailed product data, see the 2002 Economic Census, Manufacturing Product Summary, Table 4. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331XXCC	Steel pipes and tubes	2004..	11 197 729	1
		2003..	8 207 351	1
		2002..	8 843 411	X
331111B	Steel pipes and tubes, made in steel mills producing semifinished shapes or plate	2004..	2 983 774	3
		2003..	1 577 394	4
		2002..	1 885 144	X
3312100	Iron and steel pipes and tubes, made from purchased iron and steel	2004..	8 213 955	1
		2003..	6 629 958	2
		2002..	6 958 267	X
331XXDD	Cold rolled steel sheet and strip	2004..	21 350 824	2
		2003..	14 418 807	1
		2002..	13 387 431	X
331111D	Cold rolled steel sheet and strip, made in steel mills producing hot rolled sheet or strip	2004..	15 138 433	1
		2003..	10 414 026	1
		2002..	9 373 406	X
3312211	Cold rolled steel sheet and strip, made from purchased steel	2004..	6 212 391	6
		2003..	4 004 781	2
		2002..	4 014 025	X
331XXEE	Cold finished steel bars and bar shapes	2004..	2 190 906	4
		2003..	1 699 939	2
		2002..	1 742 308	X
331111F	Cold finished steel bars and bar shapes, made in steel mills producing hot rolled bars and bar shapes	2004..	868 662	6
		2003..	654 832	1
		2002..	629 132	X
3312213	Cold finished steel bars and bar shapes, made from purchased steel	2004..	1 322 244	6
		2003..	1 045 107	3
		2002..	1 113 176	X
331XXFF	Seamless rolled ring forgings, ferrous	2004..	364 171	6
		2003..	357 679	5
		2002..	373 229	X
331111H	Seamless rolled ring forgings, ferrous, made in steel mills	2004..	70 417	9
		2003..	83 639	19
		2002..	75 703	X
3321115	Seamless rolled ring forgings, ferrous, made from purchased iron and steel	2004..	293 754	7
		2003..	274 040	4
		2002..	297 526	X
331XXGG	Open die and smith forgings (hammer and press), ferrous	2004..	843 022	5
		2003..	688 971	3
		2002..	710 869	X
331111J	Open die and smith forgings (hammer and press), ferrous, made in steel mills	2004..	291 376	7
		2003..	208 687	4
		2002..	182 850	X
3321117	Open die and smith forgings (hammer and press), ferrous, made from purchased iron and steel	2004..	551 646	7
		2003..	480 284	4
		2002..	528 019	X
331XXHH	Noninsulated ferrous wire rope, cable, forms, and strand	2004..	1 502 152	3
		2003..	1 393 861	2
		2002..	1 403 395	X
3312221	Noninsulated ferrous wire rope, cable, and fabricated wire rope assemblies (including lifting slings), made in plants that draw wire	2004..	894 863	4
		2003..	820 557	2
		2002..	868 100	X
3326181	Noninsulated ferrous wire rope, cable, forms, and strand, made from purchased wire	2004..	607 288	6
		2003..	573 304	4
		2002..	535 295	X
331XXJJ	Steel nails, staples, tacks, spikes, and brads	2004..	593 036	5
		2003..	613 233	5
		2002..	640 635	X
3312223	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire	2004..	232 599	12
		2003..	257 939	11
		2002..	266 261	X
3326189	Steel nails, staples, tacks, spikes, and brads, made from purchased wire	2004..	360 437	2
		2003..	355 293	1
		2002..	374 374	X
331XXKK	Steel fencing and fence gates	2004..	727 385	5
		2003..	544 939	5
		2002..	527 376	X
3312227	Steel fencing and fence gates, made in plants that draw wire	2004..	390 607	4
		2003..	306 924	6
		2002..	299 653	X
3326187	Steel fencing and fence gates, made from purchased wire	2004..	336 778	9
		2003..	238 015	9
		2002..	227 723	X

See footnotes at end of table.

Table 2. Products Primary to More Than One Industry—Value of Shipments by Product Class: 2004 and Earlier Years—Con.

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Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331XXMM	Ferrous wire cloth and other ferrous woven wire products	2004..	212 957	5
		2003..	204 656	12
		2002..	217 421	X
3312229	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire	2004..	59 695	1
		2003..	60 616	1
		2002..	62 598	X
3326183	Ferrous wire cloth and other ferrous woven wire products, made from purchased wire	2004..	153 262	7
		2003..	144 040	17
		2002..	154 823	X
331XXNN	Other ferrous wire products (excluding springs)	2004..	3 289 874	2
		2003..	3 218 048	3
		2002..	3 335 867	X
331222B	Other ferrous wire products (excluding springs), made in plants that draw wire	2004..	632 769	4
		2003..	664 586	5
		2002..	680 911	X
332618B	Other ferrous wire products (excluding springs), made from purchased wire	2004..	2 657 105	3
		2003..	2 553 462	3
		2002..	2 654 956	X
331XXPP	Aluminum ingot, including billet	2004..	8 795 153	1
		2003..	7 660 688	1
		2002..	7 942 859	X
3313120	Aluminum ingot, including billet, made in primary aluminum reduction plants	2004..	5 029 221	1
		2003..	4 493 786	1
		2002..	4 685 751	X
3313142	Aluminum ingot, including billet, made by secondary smelters	2004..	3 507 060	1
		2003..	2 944 438	1
		2002..	2 952 464	X
331319D	Aluminum ingot, including billet, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2004..	258 872	9
		2003..	222 464	1
		2002..	304 644	X
331XXQQ	Apparatus wire and cord and flexible cord sets (except wiring harnesses and fiber optic)	2004..	2 050 336	1
		2003..	1 965 547	1
		2002..	2 175 623	X
331319E	Aluminum insulated wire and cable	2004..	334 070	7
		2003..	426 335	1
		2002..	476 064	X
3314224	Copper wire and cable, including apparatus wire, cord, and flexible cord sets, made in copper wire drawing plants	2004..	1 323 765	1
		2003..	1 110 968	3
		2002..	1 257 062	X
331491F	Apparatus wire and cord and flexible cord sets (except aluminum, copper, wiring harnesses and fiber optic), made in plants that draw wire	2004..	51 308	3
		2003..	64 656	1
		2002..	62 144	X
335999B	Apparatus wire and cord and flexible cord sets (except wiring harnesses and fiber optic), made from purchased insulated wire	2004..	341 193	3
		2003..	363 587	1
		2002..	380 353	X
331XXRR	Smelting and refining of copper	2004..	3 764 614	1
		2003..	2 742 825	2
		2002..	2 831 159	X
3314110	Primary smelting and refining of copper	2004..	3 162 186	1
		2003..	2 039 673	1
		2002..	2 205 347	X
3314230	Secondary smelting, refining, and alloying of copper	2004..	602 428	5
		2003..	703 151	9
		2002..	625 812	X
331XXTT	Smelting and refining of zinc	2004..	553 491	7
		2003..	485 625	3
		2002..	416 030	X
3314193	Primary smelting and refining of zinc	2004..	392 480	9
		2003..	325 447	4
		2002..	246 553	X
3314927	Secondary smelting, refining, and alloying of zinc	2004..	161 010	2
		2003..	160 178	2
		2002..	169 477	X
331XXYY	Precious metals and precious metal alloys	2004..	946 969	3
		2003..	847 275	4
		2002..	924 083	X
3314197	Primary precious metals and precious metal alloys	2004..	624 675	5
		2003..	515 914	4
		2002..	646 552	X
3314929	Secondary precious metals and precious metal alloys	2004..	322 294	3
		2003..	331 361	8
		2002..	277 531	X

See footnotes at end of table.

Table 2. Products Primary to More Than One Industry—Value of Shipments by Product Class: 2004 and Earlier Years—Con.

[Product codes that include an "XX" are nonstandard codes used to present totals of products' primary relationships. These totals include data of more than one 7-digit product class. All products of the product classes presented in this table may not be primary to more than one industry. For detailed product data, see the 2002 Economic Census, Manufacturing Product Summary, Table 4. 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]

Product class code	Product class		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331XXZZ	All other miscellaneous nonferrous metals	2004..	2 901 233	2
		2003..	2 336 818	2
		2002..	2 320 043	X
331419A	All other miscellaneous primary nonferrous metals	2004..	1 895 394	2
		2003..	1 550 689	2
		2002..	1 519 949	X
331492B	All other miscellaneous secondary nonferrous metals	2004..	1 005 839	6
		2003..	786 129	2
		2002..	800 094	X

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

²Additional data are available for this product class in the Current Industrial Report (CIR) series. See Appendix F for CIR survey number and title.

³This product class is primary to more than one industry. See industry 325110, product class 3251101.

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.

Appendix A.

Explanation of Terms

PRODUCT CODES AND CLASSES OF PRODUCTS

North American Industry Classification System (NAICS) United States industries are identified by a six-digit code. The longer code accommodates the large number of sectors and allows more flexibility in designing subsectors.

In the manufacturing sector for 2002, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). Product classes of the manufacturing industries have been assigned codes based on the industry from which they originate. There are 1,450 product classes (seven-digit codes).

Manufacturing activity involves 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.

Manufacturing activities include:

1. fabricating, processing, and assembling;
2. maintenance of plant and equipment;
3. warehousing and storage;
4. research;
5. recordkeeping;
6. health and safety; and
7. cafeteria and other services if operated as separate establishments.

Manufacturing activities exclude:

1. sales branches and sales offices;
2. research laboratories;
3. retail stores;
4. mining activities; and
5. general administrative offices.

As in previous censuses, data were collected for most industries on the value of individual products shipped. However, several product classes report value of production rather than value of shipments. The value of production should equal the selling value f.o.b. plant (after discounts and allowances and excluding freight charges) of all products made during the survey year whether sold, transferred, added to inventory, or used in further processing.

VALUE OF PRODUCT SHIPMENTS

Includes the total value of all products produced and shipped by all producers, not just those with values of \$100,000 or more. However, for selected products, this can represent value of receipts, value of production, or value of work done. Industries that are published on these unique basis are separately identified.

Appendix B.

NAICS Codes, Titles, and Descriptions

Not applicable for this report.

Appendix C.

Methodology

SOURCES OF THE DATA

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ESTABLISHMENT BASIS OF REPORTING

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

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

RELIABILITY OF DATA

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

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

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

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

DISCLOSURE

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

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

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan and Micropolitan Statistical Areas

Not applicable for this report.

Appendix F.

Current Industrial Reports by Product Class Codes

Product class code	CIR survey	CIR description
3112218	M311K	Fats and Oils: Production, Consumption, and Stocks
3112221	M311K	Fats and Oils: Production, Consumption, and Stocks
3112224	M311J	Fats and Oils: Oilseed Crushings
3112231	M311J	Fats and Oils: Oilseed Crushings
3112234	M311K	Fats and Oils: Production, Consumption, and Stocks
3112237	M311J	Fats and Oils: Oilseed Crushings
311223A	M311J	Fats and Oils: Oilseed Crushings
311223D	M311K	Fats and Oils: Production, Consumption, and Stocks
311223G	M311K	Fats and Oils: Production, Consumption, and Stocks
311223J	M311J	Fats and Oils: Oilseed Crushings
3112252	M311K	Fats and Oils: Production, Consumption, and Stocks
3112254	M311K	Fats and Oils: Production, Consumption, and Stocks
3113201	MA311D	Confectionery
3113204	MA311D	Confectionery
3113207	MA311D	Confectionery
3113301	MA311D	Confectionery
3113401	MA311D	Confectionery
3113404	MA311D	Confectionery
3116131	M311K	Fats and Oils: Production, Consumption, and Stocks
3116135	M311K	Fats and Oils: Production, Consumption, and Stocks
3131111	MA313F	Yarn Production
3131113	MA313F	Yarn Production
3131115	MA313F	Yarn Production
3131116	MA313F	Yarn Production
3131119	MA313F	Yarn Production
3131125	MA313F	Yarn Production
3132101	MQ313T	Broadwoven Fabrics
3132103	MQ313T	Broadwoven Fabrics
3132105	MQ313T	Broadwoven Fabrics
3132107	MQ313T	Broadwoven Fabrics
313210D	MQ314X	Bed and Bath Furnishings
313210E	MQ313T	Broadwoven Fabrics
313210G	MQ313T	Broadwoven Fabrics
313210H	MQ313T	Broadwoven Fabrics
313210J	MQ313T	Broadwoven Fabrics
313210L	MQ313T	Broadwoven Fabrics
313210M	MQ313T	Broadwoven Fabrics
313210N	MQ313T	Broadwoven Fabrics
313210T	MQ313T	Broadwoven Fabrics
3132411	MA313K	Knit Fabric Production
3132491	MA313K	Knit Fabric Production
3141101	MA314Q	Carpets and Rugs
3141103	MA314Q	Carpets and Rugs
3141105	MA314Q	Carpets and Rugs
3141291	MQ314X	Bed and Bath Furnishings
3141293	MQ314X	Bed and Bath Furnishings
3141295	MQ314X	Bed and Bath Furnishings
3141296	MQ314X	Bed and Bath Furnishings
3149920	MQ313T	Broadwoven Fabrics
3151912	MQ315A	Apparel
3151914	MQ315A	Apparel
3151917	MQ315A	Apparel
315191B	MQ315A	Apparel
315191G	MA315D	Gloves and Mittens
3151921	MQ315A	Apparel
3151924	MQ315A	Apparel
3152210	MQ315A	Apparel
3152222	MQ315A	Apparel
3152224	MQ315A	Apparel
3152226	MQ315A	Apparel
3152231	MQ315A	Apparel
3152233	MQ315A	Apparel
3152242	MQ315A	Apparel
3152244	MQ315A	Apparel
3152251	MQ315A	Apparel
3152254	MQ315A	Apparel
3152282	MQ315A	Apparel
3152284	MQ315A	Apparel
3152286	MQ315A	Apparel
3152311	MQ315A	Apparel
3152313	MQ315A	Apparel
3152315	MQ315A	Apparel
3152318	MQ315A	Apparel
3152319	MQ315A	Apparel
3152321	MQ315A	Apparel
3152323	MQ315A	Apparel
3152330	MQ315A	Apparel
3152342	MQ315A	Apparel
3152344	MQ315A	Apparel
3152346	MQ315A	Apparel
3152348	MQ315A	Apparel
3152392	MQ315A	Apparel
3152394	MQ315A	Apparel
3152396	MQ315A	Apparel
3152398	MQ315A	Apparel
315239A	MQ315A	Apparel
315239C	MQ315A	Apparel
315239E	MQ315A	Apparel
3152910	MQ315A	Apparel

Product class code	CIR survey	CIR description
3152991	MQ315A	Apparel
3152993	MQ315A	Apparel
3152997	MQ315A	Apparel
3159921	MA315D	Gloves and Mittens
3159923	MA315D	Gloves and Mittens
3159925	MA315D	Gloves and Mittens
3162111	MA316A	Footwear
3162114	MA316A	Footwear
3162120	MA316A	Footwear
3162130	MA316A	Footwear
3162140	MA316A	Footwear
3162190	MA316A	Footwear
3251201	MQ325C	Industrial Gases
3251204	MQ325C	Industrial Gases
3251207	MQ325C	Industrial Gases
325120A	MQ325C	Industrial Gases
325120C	MQ325C	Industrial Gases
3251311	MQ325A	Inorganic Chemicals
3251811	MQ325A	Inorganic Chemicals
3251814	MQ325A	Inorganic Chemicals
3251881	MQ325B	Fertilizer Materials
3251884	MQ325A	Inorganic Chemicals
3251887	MQ325A	Inorganic Chemicals
325188A	MQ325A	Inorganic Chemicals
3253111	MQ325B	Fertilizer Materials
3253114	MQ325B	Fertilizer Materials
3253121	MQ325B	Fertilizer Materials
3253124	MQ325B	Fertilizer Materials
3254111	MA325G	Pharmaceutical Preparations
3254121	MA325G	Pharmaceutical Preparations
3254124	MA325G	Pharmaceutical Preparations
3254127	MA325G	Pharmaceutical Preparations
325412A	MA325G	Pharmaceutical Preparations
325412D	MA325G	Pharmaceutical Preparations
325412G	MA325G	Pharmaceutical Preparations
325412L	MA325G	Pharmaceutical Preparations
325412P	MA325G	Pharmaceutical Preparations
325412T	MA325G	Pharmaceutical Preparations
3255101	MA325F	Paint and Allied Products
3255104	MA325F	Paint and Allied Products
3255107	MA325F	Paint and Allied Products
325510B	MA325F	Paint and Allied Products
3256121	MQ325A	Inorganic Chemicals
325998J	MQ325A	Inorganic Chemicals
3271210	MQ327D	Clay Construction Products
3271220	MQ327D	Clay Construction Products
3271231	MQ327D	Clay Construction Products
3271234	MA327C	Refractories
3271240	MA327C	Refractories
3271250	MA327C	Refractories
3272111	MA327A	Flat Glass
3272123	MA327E	Glassware
3272125	MA327E	Glassware
3272127	MA327E	Glassware
3272129	MA327E	Glassware
3272130	M327G	Glass Containers
3272151	MA327E	Glassware
3272153	MA327E	Glassware
3272155	MA327E	Glassware
3272159	MA327E	Glassware
327215B	MA327E	Glassware
3279920	MA327C	Refractories
3311113	MA331B	Steel Mill Products
3311115	MA331B	Steel Mill Products
3311117	MA331B	Steel Mill Products
3311119	MA331B	Steel Mill Products
331111B	MA331B	Steel Mill Products
331111D	MA331B	Steel Mill Products
331111F	MA331B	Steel Mill Products
331111L	MA331B	Steel Mill Products
3312100	MA331B	Steel Mill Products
3312211	MA331B	Steel Mill Products
3312213	MA331B	Steel Mill Products
3312221	MA331B	Steel Mill Products
3312223	MA331B	Steel Mill Products
3312225	MA331B	Steel Mill Products
3312227	MA331B	Steel Mill Products
3312229	MA331B	Steel Mill Products
331222B	MA331B	Steel Mill Products
3313110	MQ325A	Inorganic Chemicals
3314225	MA335J	Insulated Wire and Cable
331491F	MA335J	Insulated Wire and Cable
331491H	MA335J	Insulated Wire and Cable
3315111	MA331A	Iron and Steel Castings
3315113	MA331A	Iron and Steel Castings
3315115	MA331A	Iron and Steel Castings
3315117	MA331A	Iron and Steel Castings
3315119	MA331A	Iron and Steel Castings
331511A	MA331A	Iron and Steel Castings
331511C	MA331A	Iron and Steel Castings
331511E	MA331A	Iron and Steel Castings
3315120	MA331A	Iron and Steel Castings
3315131	MA331A	Iron and Steel Castings
3315133	MA331A	Iron and Steel Castings
3315135	MA331A	Iron and Steel Castings
3315210	MA331E	Nonferrous Castings
3315220	MA331E	Nonferrous Castings
3315240	MA331E	Nonferrous Castings
3315250	MA331E	Nonferrous Castings
3315280	MA331E	Nonferrous Castings

Product class code	CIR survey	CIR description
332911F	MA334B	Measurement Instruments and Related Products
332911H	MA334B	Measurement Instruments and Related Products
3329121	MA333N	Fluid Power Products
3329123	MA333N	Fluid Power Products
3329125	MA333N	Fluid Power Products
3329127	MA333N	Fluid Power Products
3329129	MA333N	Fluid Power Products
332912B	MA333N	Fluid Power Products
332912D	MA333N	Fluid Power Products
332912F	MA333N	Fluid Power Products
332912H	MA333N	Fluid Power Products
332912J	MA333N	Fluid Power Products
332912L	MA333N	Fluid Power Products
332912N	MA333N	Fluid Power Products
3329911	MA332Q	Antifriction Bearings
3329913	MA332Q	Antifriction Bearings
3329915	MA332Q	Antifriction Bearings
3329917	MA332Q	Antifriction Bearings
3329919	MA332Q	Antifriction Bearings
3331111	MA333A	Farm Machinery and Lawn and Garden Equipment
3331114	MA333A	Farm Machinery and Lawn and Garden Equipment
3331117	MA333A	Farm Machinery and Lawn and Garden Equipment
3331119	MA333A	Farm Machinery and Lawn and Garden Equipment
333111A	MA333A	Farm Machinery and Lawn and Garden Equipment
333111C	MA333A	Farm Machinery and Lawn and Garden Equipment
333111E	MA333A	Farm Machinery and Lawn and Garden Equipment
333111G	MA333A	Farm Machinery and Lawn and Garden Equipment
333111J	MA333A	Farm Machinery and Lawn and Garden Equipment
3331121	MA333A	Farm Machinery and Lawn and Garden Equipment
3331123	MA333A	Farm Machinery and Lawn and Garden Equipment
3331127	MA333A	Farm Machinery and Lawn and Garden Equipment
3331201	MA333D	Construction Machinery
3331311	MA333F	Mining Machinery
3331315	MA333F	Mining Machinery
3331317	MA333F	Mining Machinery
3331327	MA333F	Mining Machinery
3332987	MA333A	Farm Machinery and Lawn and Garden Equipment
3333131	MA334R	Computers and Office Machines
3333137	MA334R	Computers and Office Machines
333313A	MA334R	Computers and Office Machines
333313E	MA334R	Computers and Office Machines
333313J	MA334R	Computers and Office Machines
3333141	MA334B	Measurement Instruments and Related Products
3333143	MA334B	Measurement Instruments and Related Products
3333197	MA334P	Communication and Other Electronic Equipment
333414A	MA335E	Electric Housewares and Fans
3334152	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
3334153	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
3334155	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
3334156	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
333415A	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
333415C	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
333415E	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
333415F	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
333415G	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
3335121	MQ333W	Metalworking Machinery
3335122	MQ333W	Metalworking Machinery
3335123	MQ333W	Metalworking Machinery
3335124	MQ333W	Metalworking Machinery
3335126	MQ333W	Metalworking Machinery
3335127	MQ333W	Metalworking Machinery
3335128	MQ333W	Metalworking Machinery
3335129	MQ333W	Metalworking Machinery
333512A	MQ333W	Metalworking Machinery
3335131	MQ333W	Metalworking Machinery
3335133	MQ333W	Metalworking Machinery
3335135	MQ333W	Metalworking Machinery
3335137	MQ333W	Metalworking Machinery
3336181	MA333L	Internal Combustion Engines
3336183	MA333L	Internal Combustion Engines
3336185	MA333L	Internal Combustion Engines
3339111	MA333P	Pumps and Compressors
3339115	MA333P	Pumps and Compressors
3339121	MA333P	Pumps and Compressors
3339125	MA333P	Pumps and Compressors
3339228	MA333A	Farm Machinery and Lawn and Garden Equipment
3339237	MA333D	Construction Machinery
3339951	MA333N	Fluid Power Products
3339953	MA333N	Fluid Power Products
3339955	MA333N	Fluid Power Products
3339957	MA333N	Fluid Power Products
3339961	MA333N	Fluid Power Products
3339963	MA333N	Fluid Power Products
3339965	MA333N	Fluid Power Products
3339967	MA333N	Fluid Power Products
3339969	MA333N	Fluid Power Products
3339993	MA333N	Fluid Power Products
3339994	MA333N	Fluid Power Products
3339996	MA333N	Fluid Power Products
3339997	MA333N	Fluid Power Products
3341111	MA334R	Computers and Office Machines
3341117	MA334R	Computers and Office Machines
334111D	MA334R	Computers and Office Machines
3341121	MA334R	Computers and Office Machines
3341124	MA334R	Computers and Office Machines
3341131	MA334R	Computers and Office Machines
3341134	MA334R	Computers and Office Machines
3341191	MA334R	Computers and Office Machines
3341194	MA334R	Computers and Office Machines
3341197	MA334R	Computers and Office Machines

Product class code	CIR survey	CIR description
334119D	MA334R	Computers and Office Machines
3342101	MA334P	Communication and Other Electronic Equipment
3342104	MA334P	Communication and Other Electronic Equipment
3342107	MA334P	Communication and Other Electronic Equipment
3342201	MA334P	Communication and Other Electronic Equipment
3342202	MA334P	Communication and Other Electronic Equipment
3342901	MA334P	Communication and Other Electronic Equipment
3342902	MA334P	Communication and Other Electronic Equipment
3342903	MA334P	Communication and Other Electronic Equipment
3343101	MA334M	Consumer Electronics
3343102	MA334M	Consumer Electronics
3343105	MA334M	Consumer Electronics
3343104	MA334M	Consumer Electronics
3344111	MA334Q	Semiconductors and Electronic Components
3344114	MA334Q	Semiconductors and Electronic Components
3344117	MA334Q	Semiconductors and Electronic Components
3344120	MA334Q	Semiconductors and Electronic Components
3344131	MA334Q	Semiconductors and Electronic Components
3344134	MA334Q	Semiconductors and Electronic Components
3344137	MA334Q	Semiconductors and Electronic Components
334413A	MA334Q	Semiconductors and Electronic Components
3344140	MA334Q	Semiconductors and Electronic Components
3344150	MA334Q	Semiconductors and Electronic Components
3344160	MA334Q	Semiconductors and Electronic Components
3344171	MA334Q	Semiconductors and Electronic Components
3344174	MA334Q	Semiconductors and Electronic Components
3344177	MA334Q	Semiconductors and Electronic Components
334417A	MA334Q	Semiconductors and Electronic Components
334417D	MA334Q	Semiconductors and Electronic Components
3344184	MA334Q	Semiconductors and Electronic Components
334418B	MA334Q	Semiconductors and Electronic Components
3344191	MA334Q	Semiconductors and Electronic Components
3344194	MA334Q	Semiconductors and Electronic Components
3344197	MA334Q	Semiconductors and Electronic Components
334419A	MA334Q	Semiconductors and Electronic Components
334419E	MA334Q	Semiconductors and Electronic Components
3345101	MA334S	Electromedical and Irradiation Equipment
3345103	MA334S	Electromedical and Irradiation Equipment
3345111	MA334B	Measurement Instruments and Related Products
3345113	MA334B	Measurement Instruments and Related Products
3345120	MA334B	Measurement Instruments and Related Products
3345130	MA334B	Measurement Instruments and Related Products
3345141	MA334B	Measurement Instruments and Related Products
3345143	MA334B	Measurement Instruments and Related Products
3345145	MA334B	Measurement Instruments and Related Products
3345151	MA334B	Measurement Instruments and Related Products
3345153	MA334B	Measurement Instruments and Related Products
3345155	MA334B	Measurement Instruments and Related Products
3345160	MA334B	Measurement Instruments and Related Products
3345170	MA334S	Electromedical and Irradiation Equipment
3345192	MA334B	Measurement Instruments and Related Products
3345194	MA334B	Measurement Instruments and Related Products
3345195	MA334B	Measurement Instruments and Related Products
3345197	MA334B	Measurement Instruments and Related Products
3345199	MA334B	Measurement Instruments and Related Products
3346130	MA334R	Computers and Office Machines
3352111	MA335E	Electric Housewares and Fans
3352115	MA335E	Electric Housewares and Fans
3352122	MA335F	Major Household Appliances
3352211	MA335F	Major Household Appliances
3352213	MA335F	Major Household Appliances
3352215	MA335F	Major Household Appliances
3352221	MA335F	Major Household Appliances
3352222	MA335F	Major Household Appliances
3352223	MA335F	Major Household Appliances
3352240	MA335F	Major Household Appliances
3352281	MA335F	Major Household Appliances
3352283	MA335F	Major Household Appliances
3352285	MA335F	Major Household Appliances
3353115	MQ335C	Fluorescent Lamp Ballasts
3353121	MA335H	Motors and Generators
3353123	MA335H	Motors and Generators
3353125	MA335H	Motors and Generators
3353127	MA335H	Motors and Generators
3353129	MA335H	Motors and Generators
335312A	MA335H	Motors and Generators
335312C	MA335H	Motors and Generators
3353131	MA335A	Switchgear and Industrial Controls
3353133	MA335A	Switchgear and Industrial Controls
3353135	MA335A	Switchgear and Industrial Controls
3353137	MA335A	Switchgear and Industrial Controls
3353139	MA335A	Switchgear and Industrial Controls
335313A	MA335A	Switchgear and Industrial Controls
3353141	MA335A	Switchgear and Industrial Controls
3353143	MA335A	Switchgear and Industrial Controls
3353147	MA335A	Switchgear and Industrial Controls
3359210	MA335J	Insulated Wire and Cable
3359291	MA335J	Insulated Wire and Cable
335929A	MA335J	Insulated Wire and Cable
335929B	MA335J	Insulated Wire and Cable
335929C	MA335J	Insulated Wire and Cable
335929D	MA335J	Insulated Wire and Cable
335929E	MA335J	Insulated Wire and Cable
3359311	MA335K	Wiring Devices and Supplies
3359313	MA335K	Wiring Devices and Supplies
3359315	MA335K	Wiring Devices and Supplies
3359317	MA335K	Wiring Devices and Supplies
3359319	MA335K	Wiring Devices and Supplies
335931B	MA335K	Wiring Devices and Supplies
3359321	MA335K	Wiring Devices and Supplies

Product class code	CIR survey	CIR description
3359323	MA335K	Wiring Devices and Supplies
3359326	MA335K	Wiring Devices and Supplies
3359997	MA334P	Communication and Other Electronic Equipment
335999A	MA334P	Communication and Other Electronic Equipment
335999B	MA334P	Communication and Other Electronic Equipment
335999F	MA334P	Communication and Other Electronic Equipment
336322D	MA334Q	Semiconductors and Electronic Components
3363917	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
336391B	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
3364113	M336G	Civil Aircraft and Aircraft Engines
3364123	M336G	Civil Aircraft and Aircraft Engines
3391118	MA334B	Measurement Instruments and Related Products
3399427	MA334R	Computers and Office Machines

