
Section 21

Manufactures

This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected products. The types of measures shown at the different levels include data for establishments, employment and wages, plant and equipment expenditures, value and quantity of production and shipments, value added by manufacture, inventories, and various indicators of financial status.

The principal sources of these data are U.S. Census Bureau reports of the censuses of manufactures conducted every 5 years, the *Annual Survey of Manufactures*, and *Current Industrial Reports*. Reports on current activities of industries or current movements of individual commodities are compiled by such government agencies as the Bureau of Labor Statistics; the Economic Research Service of the Department of Agriculture; the International Trade Administration; and by private research or trade associations such as The Conference Board, Inc., the American Iron and Steel Institute, the Electronic Industries Association, and several others.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the U.S. Census Bureau. Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the Securities and Exchange Commission. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. See also Section 15, Business Enterprise.

Several private trade associations provide industry coverage for certain sections of the economy. They include the Aluminum Association (Table 976), American Iron

and Steel Institute (Tables 977-979), Consumer Electronics Association (Tables 987 and 988), and the Aerospace Industries Association (Tables 995-997). Machine tool consumption data (Table 980) is produced jointly by the Association for Manufacturing Technology and American Machine Tool Distributors Association.

Censuses and annual surveys—The first census of manufactures covered the year 1809. Between 1809 and 1963, a census was conducted at periodic intervals. Since 1967, it has been taken every 5 years (for years ending in “2” and “7”). Results from the 1997 census are presented in this section utilizing the new NAICS (North American Industry Classification System). For additional information see text, Section 15, Business Enterprise, and the Census Bureau Web site at <<http://www.census.gov/epcd/www/NAICS.html>>. Census data either direct reports or estimates from administrative records, are obtained for every manufacturing plant with one paid employee or more.

The *Annual Survey of Manufactures* (ASM), conducted for the first time in 1949, collects data for the years between censuses for the more general measure of manufacturing activity covered in detail by the censuses. The annual survey data are estimates derived from a scientifically selected sample of establishments. The 1999 annual survey is based on a sample of about 55,000 establishments of an approximate total of 230,000. These establishments represent all manufacturing establishments of multiunit companies and all single-establishment manufacturing companies mailed schedules in the 1997 Census of Manufactures. For the current panel of the ASM sample, all establishments of companies with 1997 shipments in manufacturing in excess of \$500 million were included in the survey with certainty. For the remaining portion of the mail survey, the establishment was

defined as the sampling unit. For this portion, all establishments with 250 employees or more and establishments with a very large value of shipments also were included. Therefore, of the 58,000 establishments included in the ASM panel, approximately 33,000 are selected with certainty. These establishments account for approximately 80 percent of total value of shipments in the 1992 census. Smaller establishments in the remaining portion of the mail survey were selected by sample.

Establishments and classification—

The censuses of manufactures for 1947 through 1992 cover operating manufacturing establishments as defined in the *Standard Industrial Classification Manual* (SIC), issued by the U.S. Office of Management and Budget (see text, Section 12). The Manual is also used for classifying establishments in the annual surveys. The comparability of manufactures data over time is affected by changes in the official definitions of industries as presented in the Manual. It is important to note, therefore, that the 1987 edition of the Manual was used for the 1987 and 1992 censuses; and the 1972 edition of the Manual and the 1977 Supplement were used for the 1972 through 1982 censuses.

The Manual defines an industry as a number of establishments producing a single product or a closely related group of products. In the manual, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to

that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason, care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

Most tables in this section use the new way of organizing economic statistics called the North American Industry Classification System (NAICS). For more information on this system, see *North American Industry Classification System (NAICS) - United States, 1997*.

Establishment—Establishment signifies a single physical plant site or factory. It is not necessarily identical to the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

Durable goods—Items with a normal life expectancy of 3 years or more. Automobiles, furniture, household appliances, and mobile homes are common examples.

Nondurable goods—Items which generally last for only a short time (3 years or less). Food, beverages, clothing, shoes, and gasoline are common examples.

Statistical reliability—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

No. 954. Gross Domestic Product in Manufacturing in Current and Real (1996) Dollars by Industry: 1990 to 2000

[In billions of dollars (5,803.2 represents 5,803,200,000,000). Data are based on the 1987 Standard Industrial Classification (SIC). Data include nonfactor charges (capital consumption allowances, indirect business taxes, etc.) as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

Industry	1990	1994	1995	1996	1997	1998	1999	2000
CURRENT DOLLARS								
Gross domestic product¹	5,803.2	7,054.3	7,400.5	7,813.2	8,318.4	8,781.5	9,268.6	9,872.9
Manufacturing	1,040.6	1,223.2	1,289.1	1,316.0	1,379.6	1,431.5	1,496.8	1,566.6
Durable goods	586.6	694.1	729.8	748.4	791.2	830.7	865.7	901.7
Lumber and wood products	32.2	39.8	42.3	39.9	41.2	41.9	46.3	44.4
Furniture and fixtures	15.6	18.9	19.5	20.7	22.7	24.3	26.0	26.7
Stone, clay, and glass products	25.3	30.4	32.4	33.2	37.2	38.7	42.5	43.9
Primary metal industries	43.2	47.6	53.0	50.8	52.6	53.1	50.2	52.9
Fabricated metal products	69.4	83.2	87.2	93.1	97.6	101.7	107.6	108.7
Industrial machinery	118.2	121.0	132.8	136.3	143.2	158.6	157.3	167.6
Electronic & other electric equipment	105.7	139.3	146.9	153.2	165.9	159.2	165.5	181.2
Motor vehicles and equipment	47.3	95.2	98.2	92.2	96.5	111.5	118.9	120.2
Other transportation equipment	60.5	49.6	47.7	51.4	55.5	58.4	64.5	62.7
Instruments and related products	49.3	46.8	47.2	53.7	53.6	57.5	58.8	64.2
Misc. manufacturing industries	19.8	22.3	22.7	23.8	25.2	25.9	28.3	29.1
Nondurable goods	454.0	529.1	559.2	567.6	588.4	600.8	631.0	664.8
Food and kindred products	96.4	110.2	121.1	118.7	123.1	121.8	132.9	137.0
Tobacco manufactures	11.9	13.2	15.1	14.8	15.4	17.3	18.9	22.3
Textile mill products	22.0	25.6	24.8	25.3	25.7	25.8	25.5	24.7
Apparel and other textile products	25.4	28.5	27.3	27.0	26.5	26.0	24.3	23.6
Paper and allied products	45.0	50.1	58.9	55.9	53.8	55.7	58.0	59.9
Printing and publishing	73.1	83.5	80.8	88.2	91.1	95.6	102.7	105.5
Chemicals and allied products	109.9	138.7	150.8	153.6	164.8	164.8	175.1	191.1
Petroleum and coal products	31.7	29.3	29.0	30.2	31.4	32.9	30.4	36.5
Rubber and misc. plastic products	33.9	44.9	46.1	49.7	52.1	56.8	59.3	60.2
Leather and leather products	4.7	5.0	5.3	4.2	4.3	4.1	3.9	4.0
CHAINED (1996) DOLLARS								
Gross domestic product, total¹	6,707.9	7,347.7	7,543.8	7,813.2	8,159.5	8,508.9	8,856.5	9,224.0
Manufacturing	1,102.3	1,206.0	1,284.7	1,316.0	1,387.3	1,444.3	1,532.1	1,594.6
Durable goods	585.1	656.5	714.9	748.4	813.0	892.9	965.1	1,034.1
Lumber and wood products	45.1	38.9	41.6	39.9	39.5	40.1	43.0	44.1
Furniture and fixtures	18.1	20.2	20.7	20.7	22.1	22.9	23.9	24.4
Stone, clay, and glass products	29.4	32.0	32.8	33.2	36.6	36.6	38.4	39.7
Primary metal industries	43.7	50.5	49.6	50.8	52.7	54.5	57.2	57.4
Fabricated metal products	76.1	86.4	90.8	93.1	96.2	96.5	98.4	99.6
Industrial machinery	93.5	106.8	124.7	136.3	158.4	195.8	214.4	236.0
Electronic & other electric equipment	68.6	103.3	128.7	153.2	182.2	210.8	255.8	327.7
Motor vehicles and equipment	68.7	99.1	103.2	92.2	97.1	111.6	114.7	116.9
Other transportation equipment	75.7	52.2	49.4	51.4	54.8	56.7	61.2	55.2
Instruments and related products	68.9	53.8	52.6	53.7	49.8	49.0	48.2	48.1
Misc. manufacturing industries	22.8	22.6	23.3	23.8	24.8	24.9	26.9	27.7
Nondurable goods	520.2	551.2	570.3	567.6	574.7	555.5	574.0	574.0
Food and kindred products	109.5	112.6	133.3	118.7	118.1	112.1	117.3	118.2
Tobacco manufactures	14.5	13.8	15.7	14.8	13.9	11.9	6.3	6.2
Textile mill products	22.8	26.9	26.0	25.3	25.0	24.1	23.6	24.1
Apparel and other textile products	27.3	28.4	28.0	27.0	26.5	25.2	22.6	22.5
Paper and allied products	52.5	61.3	52.2	55.9	58.3	56.2	57.3	50.0
Printing and publishing	102.9	92.6	89.2	88.2	86.4	85.6	88.1	86.6
Chemicals and allied products	131.1	145.5	148.0	153.6	164.2	155.2	168.7	184.2
Petroleum and coal products	22.9	22.0	26.9	30.2	25.6	26.4	34.4	25.5
Rubber and misc. plastic products	34.0	44.9	47.0	49.7	53.2	55.6	58.2	59.8
Leather and leather products	5.2	5.1	5.3	4.2	4.2	3.8	3.7	3.9

¹ For additional industry detail, see Table 632.

Source: U.S. Bureau of Economic Analysis, *National Income and Product Accounts, 1929-97*; and *Survey of Current Business*, November 2001.

No. 955. Manufacturing—Establishments, Employees, and Annual Payroll by Industry: 1999 and 2000

[Excludes government employees, railroad employees, self-employed persons, etc. See "General Explanation" in source for definitions and statement on reliability of data. An *establishment* is a single physical location where business is conducted or where services or industrial operations are performed]

Industry	NAICS code ¹	1999			2000		
		Establishments, number	Number of employees ² (1,000)	Annual payroll (mil. dol.)	Establishments, number	Number of employees ² (1,000)	Annual payroll (mil. dol.)
All industries, total	(X)	7,008,444	110,706	3,554,693	7,070,048	114,065	3,879,430
Manufacturing, total	31-33	360,244	16,660	625,536	354,498	16,474	643,954
Percent of all industries	(X)	5.14	15.05	17.60	5.20	14.45	17.60
Food	311	26,734	1,464	41,858	26,401	1,468	43,773
Beverage & tobacco product	312	2,789	172	6,992	2,869	169	7,318
Textile mills	313	4,587	362	9,694	4,449	339	9,491
Textile product mills	314	7,152	222	5,313	6,881	216	5,364
Apparel manufacturing	315	16,721	575	11,206	16,505	510	10,426
Leather & allied product	316	1,807	74	1,738	1,783	69	1,711
Wood product	321	17,473	595	16,373	17,328	598	16,511
Paper	322	5,883	559	23,227	5,790	554	23,291
Printing & related support activities	323	40,671	834	27,940	39,035	813	28,319
Petroleum & coal products	324	2,226	109	6,058	2,210	109	6,386
Chemical	325	13,534	886	44,738	13,426	886	45,610
Plastics & rubber products	326	16,646	1,047	33,351	16,292	1,057	34,110
Nonmetallic mineral product	327	16,541	510	18,273	16,537	524	19,123
Primary metal	331	5,900	598	24,766	6,300	602	25,545
Fabricated metal product	332	62,242	1,788	61,604	61,144	1,791	64,244
Machinery	333	30,177	1,398	55,874	29,442	1,378	58,387
Computer & electronic product	334	17,279	1,615	83,842	17,148	1,557	90,397
Electrical equip, appliance & component	335	7,104	586	20,600	7,041	589	21,853
Transportation equipment	336	13,042	1,906	90,609	12,766	1,873	88,632
Furniture & related product	337	20,266	623	17,128	19,848	640	17,964
Miscellaneous	339	31,470	734	24,354	31,303	732	25,500

X Not applicable. ¹ North American Industry Classification System, 1997. ² Covers full- and part-time employees who are on the payroll in the pay period including March 12.

Source: U.S. Census Bureau, *County Business Patterns*, annual. See also <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-1.pdf>> (issued May 2002).

No. 956. Manufacturing Establishments, Employees, and Annual Payroll by State: 2000

[Excludes government employees, railroad employees, self-employed persons, etc. See "General Explanation" in source for definitions and statement on reliability of data. An *establishment* is a single physical location where business is conducted or where services or industrial operations are performed]

State	Establishments	Number of employees ¹ (1,000)	Annual payroll (mil. dol.)	State	Establishments	Number of employees ¹ (1,000)	Annual payroll (mil. dol.)
United States	354,498	16,474.0	643,955	Missouri	7,307	347.8	11,662
Alabama	5,261	333.8	10,600	Montana	1,200	21.0	643
Alaska	489	11.3	372	Nebraska	1,946	108.6	3,424
Arizona	4,901	200.9	8,622	Nevada	1,693	38.1	1,379
Arkansas	3,245	235.6	6,611	New Hampshire	2,272	93.0	3,747
California	49,137	1,753.7	80,288	New Jersey	11,038	386.1	17,270
Colorado	5,392	166.5	7,004	New Mexico	1,563	38.1	1,145
Connecticut	5,503	232.8	11,344	New York	22,129	705.9	27,508
Delaware	687	41.8	1,772	North Carolina	10,997	731.4	23,329
District of Columbia	174	2.6	91	North Dakota	700	24.0	743
Florida	15,345	415.4	14,246	Ohio	17,704	988.6	39,542
Georgia	8,720	518.1	17,065	Oklahoma	3,942	168.6	5,664
Hawaii	911	14.8	462	Oregon	5,616	202.7	8,271
Idaho	1,669	67.1	2,845	Pennsylvania	16,762	798.3	30,576
Illinois	17,312	852.6	34,518	Rhode Island	2,256	68.6	2,376
Indiana	9,262	639.2	25,143	South Carolina	4,431	334.7	11,449
Iowa	3,724	244.8	8,583	South Dakota	906	46.7	1,445
Kansas	3,229	191.6	7,015	Tennessee	7,093	475.6	15,998
Kentucky	4,209	293.7	10,576	Texas	21,409	966.4	38,377
Louisiana	3,463	161.4	6,435	Utah	2,917	122.5	4,322
Maine	1,878	79.6	2,797	Vermont	1,208	45.2	1,749
Maryland	3,910	158.8	6,900	Virginia	5,838	360.2	12,916
Massachusetts	9,168	397.6	19,874	Washington	7,584	315.1	13,765
Michigan	15,550	819.2	37,796	West Virginia	1,453	74.2	2,675
Minnesota	8,095	377.7	14,987	Wisconsin	9,904	572.2	21,370
Mississippi	2,843	220.0	5,984	Wyoming	553	9.7	318

¹ Covers full- and part-time employees who are on the payroll in the pay period including March 12.

Source: U.S. Census Bureau, *County Business Patterns*, annual. See also <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-1.pdf>> (issued May 2002).

No. 957. Manufactures—Summary by Selected Industry: 2000

[16,681 represents 16,681,000. Based on the Annual Survey of Manufactures; see Appendix III]

Industry based on shipments	NAICS code ¹	All employees ²			Production workers ³ (1,000)	Value added by manufactures ³ (mil. dol.)	Value of shipments ⁴ (mil. dol.)
		Payroll					
		Number (1,000)	Total (mil. dol.)	Per employee (dol.)			
Manufacturing, total	31-33	16,681	618,217	37,060	11,959	2,002,649	4,217,852
Food	311	1,508	42,671	28,303	1,150	183,482	434,261
Grain and oilseed milling	3112	57	2,389	41,637	43	17,752	44,893
Fruit and vegetable preserving and specialty food	3114	181	5,135	28,401	154	25,898	50,347
Dairy product	3115	133	4,593	34,493	88	19,579	60,067
Meat product	3116	486	11,503	23,675	420	35,116	118,916
Bakeries and tortilla	3118	320	8,938	27,921	198	30,953	47,779
Other food	3119	155	4,784	30,906	114	29,871	54,155
Beverage and tobacco product	312	174	7,108	40,795	94	71,763	112,055
Beverage	3121	146	5,558	38,047	75	30,028	63,418
Tobacco	3122	28	1,550	55,600	20	41,736	48,638
Textile mills	313	337	9,200	27,303	286	21,429	51,770
Textile product mills	314	231	5,441	23,503	189	13,797	33,880
Apparel	315	526	10,374	19,723	423	28,210	60,215
Cut and sew apparel	3152	394	7,595	19,299	313	22,300	48,021
Leather and allied product	316	69	1,656	23,877	55	4,510	9,610
Wood product	321	585	16,136	27,581	487	36,093	93,767
Sawmills and wood preservation	3211	129	3,648	28,385	109	8,340	28,124
Other wood product	3219	336	8,828	26,246	278	19,279	44,374
Paper	322	552	22,819	41,372	427	78,166	166,099
Pulp, paper, and paperboard mills	3221	182	9,570	52,605	143	40,735	78,515
Converted paper product	3222	370	13,249	35,843	284	37,432	87,584
Printing and related support activities	323	830	28,060	33,792	597	63,446	104,614
Printing and related support activities	3231	830	28,060	33,792	597	63,446	104,614
Petroleum and coal products	324	101	5,619	55,524	67	45,748	235,105
Petroleum and coal products	3241	101	5,619	55,524	67	45,748	235,105
Chemical	325	890	43,711	49,131	508	235,614	451,580
Basic chemical	3251	193	10,644	55,218	109	47,671	117,734
Resin, syn rubber, and artif. & syn. fibers	3252	107	5,566	51,897	74	26,256	69,514
Pharmaceutical and medicine	3254	241	13,017	54,079	115	85,231	120,725
Soap, cleaning compound, and toilet preparation	3256	120	4,532	37,861	75	33,271	55,783
Other chemical product	3259	118	5,103	43,347	71	20,661	39,944
Plastics and rubber products	326	1,088	34,091	31,325	862	92,333	179,295
Plastics product	3261	877	26,576	30,308	694	73,349	142,932
Rubber product	3262	211	7,516	35,541	169	18,984	36,362
Nonmetallic mineral product	327	522	18,533	35,485	408	55,722	97,484
Cement and concrete product	3273	221	7,739	35,008	167	22,591	42,493
Primary metal	331	578	24,122	41,731	460	66,095	157,056
Iron and steel mills and ferroalloy	3311	144	7,620	52,883	113	21,635	53,946
Alumina and aluminum production and processing	3313	82	3,295	40,263	64	11,157	31,663
Fabricated metal product	332	1,821	62,570	34,368	1,379	149,449	269,181
Architectural and structural metals	3323	418	13,604	32,549	308	32,245	63,885
Machine shops, turned product & screw, nut, bolt	3327	430	15,309	35,621	335	31,292	47,731
Other fabricated metal product	3329	324	11,717	36,216	235	30,057	52,560
Machinery	333	1,403	56,028	39,948	920	148,798	295,754
Agriculture, construction, and mining machinery	3331	195	7,353	37,618	135	20,833	50,869
Industrial machinery	3332	198	8,844	44,560	114	25,123	46,474
Metalworking machinery	3335	235	10,012	42,514	170	19,071	30,638
Engine, turbine, and power transmission equipment	3336	114	5,039	44,233	76	16,807	35,840
Other general-purpose machinery	3339	350	13,888	39,681	217	33,529	68,611
Computer and electronic product	334	1,644	80,289	48,826	848	291,125	513,038
Computer and peripheral equipment	3341	190	10,378	54,533	74	43,380	110,028
Communications equipment	3342	291	16,591	56,991	128	66,813	119,329
Semiconductor and other electronic component	3344	621	26,663	42,941	398	111,625	168,455
Navigational, measuring, medical, control instr.	3345	469	24,105	51,353	197	61,439	97,199
Electrical equipment, appliance, and component	335	593	20,672	34,867	431	62,991	124,865
Electrical equipment	3353	196	7,079	36,039	135	19,110	36,265
Other electrical equipment and component	3359	221	7,904	35,771	159	26,210	52,135
Transportation equipment	336	1,839	86,877	47,234	1,349	240,989	638,700
Motor vehicle	3361	231	14,559	63,155	201	61,680	239,396
Motor vehicle parts	3363	803	35,280	43,932	644	85,458	204,765
Aerospace product and parts	3364	445	24,697	55,515	230	64,863	126,620
Furniture and related product	337	642	17,581	27,366	515	42,267	75,510
Miscellaneous	339	747	24,661	33,002	501	70,621	114,013
Medical equipment and supplies	3391	307	11,675	38,027	192	37,487	53,019
Other miscellaneous	3399	440	12,986	29,498	310	33,135	60,994

¹ North American Industry Classification System, 1997; see Text, Section 15, Business. ² Includes employment and payroll at administrative offices and auxiliary units. All employees represents the average of production workers plus all other employees for the payroll period ended nearest the 12th of March. Production workers represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November. ³ Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. ⁴ Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Statistics for Industry Groups and Industries*, Series M00(AS)-1. See also <<http://www.census.gov/prod/2002pubs/m00as-1.pdf>> (issued February 2002).

No. 958. Manufactures—Summary by State: 2000

[16,681 represents 16,681,000. Sum of state totals may not add to U.S. total because U.S. and state figures were independently derived]

State	All employees ¹			Production workers ¹		Value added by manufactures ²		
	Payroll			Total (1,000)	Wages (mil. dol.)	Total (mil. dol.)	Per production worker (dol.)	Value of ship- ments ³ (mil. dol.)
	Number (1,000)	Total (mil. dol.)	Per employee (dol.)					
United States	16,681	618,217	37,060	11,959	363,272	2,002,649	167,456	4,217,852
Alabama	337	10,479	31,131	266	7,119	29,998	112,973	70,290
Alaska	13	391	30,932	11	291	1,169	110,104	4,034
Arizona	201	7,730	38,507	124	3,384	29,259	236,268	47,244
Arkansas	235	6,531	27,753	191	4,666	21,329	111,397	47,747
California	1,846	72,310	39,166	1,212	34,334	242,667	200,271	446,873
Colorado	171	6,816	39,894	112	3,362	20,206	180,575	39,372
Connecticut	238	10,675	44,848	145	5,012	27,536	189,748	46,604
Delaware	41	1,612	39,618	31	1,051	6,021	195,732	17,115
District of Columbia	3	118	40,449	2	70	98	46,904	210
Florida	426	14,145	33,193	286	7,244	41,919	146,602	80,966
Georgia	514	16,480	32,039	402	11,044	61,169	152,047	134,697
Hawaii	15	420	28,841	10	234	1,353	141,218	3,732
Idaho	65	2,806	43,200	48	1,556	14,229	297,188	22,329
Illinois	868	33,650	38,784	605	19,015	102,040	168,544	214,315
Indiana	638	24,603	38,551	486	16,406	78,202	160,584	162,577
Iowa	248	8,518	34,301	188	5,511	31,002	165,303	66,302
Kansas	196	6,990	35,606	144	4,400	20,869	144,965	54,549
Kentucky	293	10,500	35,825	226	7,045	32,795	145,038	90,148
Louisiana	163	6,299	38,665	121	4,204	28,258	234,191	95,345
Maine	80	2,926	36,675	60	1,847	8,680	143,599	16,805
Maryland	167	7,049	42,133	107	3,578	18,455	172,240	36,490
Massachusetts	389	16,845	43,285	239	7,868	48,638	203,332	85,688
Michigan	810	36,758	45,384	616	25,361	96,411	256,623	228,932
Minnesota	390	14,927	38,257	262	8,091	43,007	163,865	86,803
Mississippi	215	5,863	27,291	171	4,054	17,893	104,546	40,994
Missouri	362	12,575	34,693	266	7,743	41,083	154,262	90,261
Montana	21	644	30,068	16	448	1,687	105,646	5,628
Nebraska	110	3,448	31,247	87	2,393	12,377	142,232	30,969
Nevada	40	1,370	34,297	28	785	4,529	162,953	7,953
New Hampshire	101	3,902	38,534	71	2,230	10,350	145,021	19,641
New Jersey	391	16,009	40,984	264	8,384	52,185	197,787	101,632
New Mexico	37	1,169	31,930	27	761	10,176	377,824	15,185
New York	738	27,157	36,788	511	14,960	85,467	167,289	155,355
North Carolina	744	22,955	30,852	578	14,790	92,463	160,020	178,017
North Dakota	24	721	30,181	17	429	2,419	138,692	5,975
Ohio	986	38,663	39,220	734	25,435	117,972	160,737	258,645
Oklahoma	172	5,590	32,421	128	3,595	18,198	141,723	44,480
Oregon	205	7,330	35,669	152	4,573	26,838	177,056	49,712
Pennsylvania	795	29,154	36,679	572	17,760	92,512	161,716	187,906
Rhode Island	74	2,469	33,341	50	1,326	6,223	123,786	11,681
South Carolina	331	11,071	33,477	256	7,233	35,324	137,758	78,033
South Dakota	42	1,179	28,126	33	723	5,308	161,355	12,144
Tennessee	468	15,324	32,726	360	9,976	47,651	132,456	104,201
Texas	979	36,991	37,783	673	19,897	134,088	199,181	344,998
Utah	126	4,203	33,378	86	2,390	13,174	154,006	27,598
Vermont	44	1,646	37,672	30	828	5,140	169,846	9,394
Virginia	352	12,014	34,152	263	7,370	53,191	202,262	96,067
Washington	322	13,316	41,323	206	7,320	37,443	181,801	89,336
West Virginia	70	2,530	36,388	52	1,687	8,503	162,355	17,316
Wisconsin	575	21,013	36,549	426	13,256	63,684	149,641	131,755
Wyoming	10	332	32,445	8	232	1,462	185,706	3,818

¹ Includes employment and payroll at administrative offices and auxiliary units. All employees represents the average of production workers plus all other employees for the payroll period ended nearest the 12th of March. Production workers represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November. ² Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. ³ Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Geographic Area Statistics*, Series M00(AS)-3. See also <<http://www.census.gov/prod/2002pubs/m00as-3.pdf>> (issued March 2002).

No. 959. Manufacturers' E-Commerce Shipments by Industry: 1999 and 2000

[In millions of dollars (4,031,882 represents \$4,031,882,000,000), except percent. Based on the Annual Survey of Manufacturers; subject to sampling variability. E-commerce is the value of goods and services sold over computer-mediated networks (open or proprietary). Online purchases are the cost of materials purchased over computer-mediated networks]

Industry	NAICS code [†]	1999				2000			
		E-commerce				E-commerce			
		Shipments, total (mil. dol)	Shipments, total (mil.dol)	Percent of total shipments	Percent distribution	Shipments, total (mil.dol)	Shipments, total (mil.dol)	Percent of total shipments	Percent distribution
Manufacturing, total	31-33	4,031,882	729,563	18.1	100.0	4,217,852	776,942	18.4	100.0
Food products	311	426,000	45,757	10.7	6.3	434,261	54,837	12.6	7.1
Beverage and tobacco	312	106,920	35,138	32.9	4.8	112,055	42,862	38.3	5.5
Textile mills	313	54,306	6,016	11.1	0.8	51,770	5,214	10.0	0.7
Textile product mills	314	32,689	7,284	22.3	1.0	33,880	5,800	17.1	0.7
Apparel	315	62,305	16,485	26.5	2.3	60,215	12,063	20.0	1.6
Leather and allied products	316	9,653	2,336	24.2	0.3	9,610	2,122	22.1	0.3
Wood products	321	97,311	4,275	4.4	0.6	93,767	5,957	6.4	0.8
Paper	322	156,915	15,312	9.8	2.1	166,099	20,617	12.4	2.7
Printing and related support activities	323	101,536	7,319	7.2	1.0	104,614	5,966	5.7	0.8
Petroleum and coal products	324	162,620	19,881	12.2	2.7	235,105	24,770	10.5	3.2
Chemicals	325	420,320	58,827	14.0	8.1	451,580	52,974	11.7	6.8
Plastics and rubber products	326	171,885	27,795	16.2	3.8	179,295	28,400	15.8	3.7
Nonmetallic mineral products	327	96,153	7,282	7.6	1.0	97,484	8,174	8.4	1.1
Primary metals	331	156,647	15,470	9.9	2.1	157,056	15,403	9.8	2.0
Fabricated metal products	332	257,072	29,509	11.5	4.0	269,181	25,798	9.6	3.3
Machinery	333	276,901	48,452	17.5	6.6	295,754	40,441	13.7	5.2
Computer and electronic products	334	467,059	65,336	14.0	9.0	513,038	77,933	15.2	10.0
Electrical equipment, appliances, and components	335	118,313	27,067	22.9	3.7	124,865	30,003	24.0	3.9
Transportation equipment	336	676,328	268,667	39.7	36.8	638,700	294,408	46.1	37.9
Furniture and related products	337	72,659	7,623	10.5	1.0	75,510	8,400	11.1	1.1
Miscellaneous	339	108,290	13,732	12.7	1.9	114,013	14,800	13.0	1.9

[†] North American Industry Classification System, 1997; see text, Section 15, Business Enterprise.

Source: U.S. Census Bureau, Internet site <<http://www.census.gov/eos/www/papers/estatstext.pdf>> and <<http://www.census.gov/eos/www/papers/estatstables.pdf>> (released 18 March 2002).

No. 960. Manufacturing Employer Costs for Employee Compensation Per Hour Worked: 1990 to 2002

[As of March, for private industry workers. Based on a sample of establishments; see source for details. See also Table 618, Section 12, Labor Force, Employment, and Earnings]

Compensation component	Cost (dol.)					Percent distribution				
	1990	1995	2000	2001	2002	1990	1995	2000	2001	2002
Total compensation	17.33	20.47	23.41	24.30	25.20	100.0	100.0	100.0	100.0	100.0
Wages and salaries	11.86	13.72	16.01	16.66	17.19	68.4	67.0	68.4	68.6	68.2
Total benefits	5.47	6.74	7.40	7.64	8.01	31.6	32.9	31.6	31.4	31.8
Paid leave	1.31	1.54	1.74	1.85	1.91	7.6	7.5	7.4	7.6	7.6
Vacation	0.67	0.80	0.86	0.92	0.97	3.9	3.9	3.7	3.8	3.8
Holiday	0.48	0.57	0.65	0.68	0.70	2.8	2.8	2.8	2.8	2.8
Sick	0.12	0.12	0.13	0.15	0.14	0.7	0.6	0.6	0.6	0.6
Other	0.05	0.05	0.10	0.10	0.10	0.3	0.2	0.4	0.4	0.4
Supplemental pay	0.65	0.80	1.04	1.09	1.13	3.8	3.9	4.4	4.5	4.5
Premium pay	0.34	0.40	0.58	0.58	0.56	2.0	2.0	2.5	2.4	2.2
Nonproduction bonuses	0.22	0.30	0.36	0.41	0.46	1.3	1.5	1.5	1.7	1.8
Shift pay	0.09	0.09	0.10	0.11	0.11	0.5	0.4	0.4	0.5	0.4
Insurance	1.37	1.72	1.85	1.93	2.11	7.9	8.4	7.9	7.9	8.4
Health insurance	(NA)	1.58	1.69	1.75	1.92	(NA)	7.7	7.2	7.2	7.6
Retirement and savings	0.56	0.75	0.75	0.75	0.74	3.2	3.7	3.2	3.1	2.9
Defined benefit	(NA)	(NA)	0.34	0.29	0.30	(NA)	(NA)	1.5	1.2	1.2
Defined contributions	(NA)	(NA)	0.41	0.46	0.44	(NA)	(NA)	1.8	1.9	1.7
Legally required	1.54	1.86	1.92	1.95	2.05	8.9	9.1	8.2	8.0	8.1
Social Security	1.02	1.21	1.38	1.42	1.48	5.9	5.9	5.9	5.8	5.9
Federal unemployment	0.03	0.03	0.03	0.03	0.03	0.2	0.1	0.1	0.1	0.1
State unemployment	0.12	0.14	0.11	0.10	0.11	0.7	0.7	0.5	0.4	0.4
Workers compensation	0.36	0.48	0.40	0.40	0.43	2.1	2.3	1.7	1.6	1.7
Other benefits	0.04	0.09	0.09	0.07	0.07	0.2	0.4	0.4	0.3	0.3

NA Not available. [†] Includes severance pay, and supplemental unemployment benefits.

Source: U.S. Bureau of Labor Statistics, *Employer Costs for Employee Compensation Historical Listing, annual, 1986-2001*, and Internet site at <<ftp://ftp.bls.gov/pub/special.requests/ocwc/ect/ececrise.pdf>> and <<ftp://ftp.bls.gov/pub/special.requests/ocwc/ect/ecechist.pdf>> (issued 19 June 2002).

No. 961. Average Hourly Earnings of Production Workers in Manufacturing Industries by State: 1980 to 2001

[In dollars]

State	1980	1990	1995	2000	2001	State	1980	1990	1995	2000	2001
United States	7.27	10.83	12.37	14.38	14.84	Missouri	7.26	10.74	12.17	14.34	14.81
Alabama	6.49	9.39	11.14	12.96	13.30	Montana	8.78	11.51	12.94	14.34	14.68
Alaska	10.22	12.46	11.00	12.46	13.27	Nebraska	7.38	9.66	11.19	12.94	13.39
Arizona	7.29	10.21	11.16	12.78	13.18	Nevada	7.72	11.05	12.62	13.85	14.11
Arkansas	5.71	8.51	10.05	11.97	12.39	New Hampshire	5.87	10.83	11.94	13.39	13.77
California	7.70	11.48	12.55	14.26	14.72	New Jersey	7.31	11.76	13.56	15.47	15.88
Colorado	7.63	10.94	12.51	14.82	15.37	New Mexico	5.79	9.04	10.68	13.26	14.09
Connecticut	7.08	11.53	13.71	15.70	16.07	New York	7.18	11.11	12.50	14.24	14.76
Delaware	7.58	12.39	14.20	16.53	16.63	North Carolina	5.37	8.79	10.56	12.80	13.29
Dist. of Columbia ¹	8.46	12.51	13.66	(NA)	(NA)	North Dakota	6.56	9.27	10.75	12.64	12.69
Florida	5.98	8.98	10.18	12.28	12.78	Ohio	8.57	12.64	14.42	16.71	17.13
Georgia	5.77	9.17	10.71	12.99	13.05	Oklahoma	7.36	10.73	11.52	13.17	12.95
Hawaii	6.83	10.99	12.82	13.59	14.19	Oregon	8.65	11.15	12.75	15.08	15.72
Idaho	7.55	10.60	11.46	14.17	15.28	Pennsylvania	7.59	11.04	12.81	14.60	14.85
Illinois	8.02	11.44	12.64	14.36	14.55	Rhode Island	5.59	9.45	10.62	12.17	12.20
Indiana	8.49	12.03	13.91	15.83	16.20	South Carolina	5.59	8.84	10.16	10.97	11.19
Iowa	8.67	11.27	12.73	14.66	14.92	South Dakota	6.50	8.48	9.36	10.70	11.45
Kansas	7.37	10.94	12.39	14.98	15.30	Tennessee	6.08	9.55	10.78	12.92	13.37
Kentucky	7.34	10.70	12.22	14.83	15.34	Texas	7.15	10.47	11.47	12.38	12.57
Louisiana	7.74	11.61	13.43	15.56	15.90	Utah	7.02	10.32	11.62	13.68	13.88
Maine	6.00	10.59	12.39	14.28	15.17	Vermont	6.14	10.52	12.21	14.23	14.32
Maryland	7.61	11.57	13.49	14.98	15.35	Virginia	6.22	10.07	11.22	13.82	14.28
Massachusetts	6.51	11.39	12.79	14.66	15.31	Washington	(NA)	12.61	14.73	16.75	17.59
Michigan	9.52	13.86	16.31	19.26	19.71	West Virginia	8.08	11.53	12.64	14.61	14.95
Minnesota	7.61	11.23	12.79	14.99	15.36	Wisconsin	8.03	11.11	12.76	14.85	15.25
Mississippi	5.44	8.37	9.76	11.64	12.14	Wyoming	7.01	10.83	11.96	16.18	16.70

NA Not available. ¹ Washington PMSA (primary metropolitan statistical area).

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, May 2002 issue and earlier issues.

No. 962. Manufacturing Full-Time Equivalent Employees and Wages by Industry: 1990 to 2000

Industry	SIC code	Full-time equivalent (FTE) employees (1,000)				Wage and salary accruals per FTE worker (dol.)			
		1990	1995	1999	2000	1990	1995	1999	2000
Manufacturing, total	(X)	18,679	18,190	18,273	18,163	30,054	35,779	42,832	45,704
Durable goods	(X)	10,959	10,561	11,003	11,010	31,658	37,660	44,850	47,974
Lumber & wood products	24	725	772	843	827	21,712	25,110	29,009	30,018
Furniture & fixtures	25	493	502	539	547	21,404	25,048	29,653	30,707
Stone, clay, & glass products	32	550	530	562	572	28,342	33,283	38,616	40,685
Primary metal industries	33	749	697	692	694	33,637	40,067	44,579	45,473
Fabricated metal products	34	1,398	1,421	1,508	1,523	28,248	32,927	37,140	38,322
Industrial machinery & equipment	35	2,053	2,051	2,103	2,083	34,030	40,063	49,666	54,831
Electronic, other electric equipment	36	1,664	1,607	1,647	1,699	31,055	38,922	50,370	57,325
Motor vehicles & equipment	371	816	961	1,016	1,014	38,202	46,658	53,877	55,285
Other transportation equipment	372-9	1,171	809	866	828	37,348	44,611	50,084	51,896
Instruments & related products	38	975	827	836	833	35,896	44,654	55,006	59,059
Miscel. manufacturing industries	39	365	384	391	390	24,468	28,219	33,217	34,723
Non-durable goods	(X)	7,720	7,629	7,270	7,153	27,777	33,176	39,776	42,211
Food & kindred products	20	1,596	1,642	1,657	1,660	25,909	30,139	34,150	36,018
Tobacco products	21	50	41	36	34	40,860	53,854	60,222	68,353
Textile mill products	22	682	654	552	527	20,217	23,985	28,451	29,440
Apparel & other textile products	23	1,001	919	675	598	16,174	18,800	23,332	25,254
Paper & allied products	26	687	685	661	648	33,514	39,458	44,900	46,519
Printing & publishing	27	1,474	1,450	1,465	1,463	28,888	34,539	41,080	43,258
Chemicals & allied products	28	1,071	1,027	1,023	1,025	40,949	51,054	62,953	68,239
Petroleum & coal products	29	155	142	130	125	44,974	54,739	63,738	64,512
Rubber & misc. plastics products	30	872	963	995	1,002	25,500	29,867	34,462	35,590
Leather & leather products	31	132	106	76	71	18,189	22,321	27,961	29,620

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *National Income and Product Accounts, 1929-97*; and *Survey of Current Business*, November 2001. See also <<http://www.bea.doc.gov/bea/dn2/gpo.htm>>.

No. 963. Manufacturers' Shipments, Inventories, and New Orders: 1992 to 2001

[In billions of dollars (2,904 represents \$2,904,000,000,000), except ratio. Based on a sample survey; for methodology, see publication cited below. These data are now on a NAICS (North American Industry Classification System) basis and not comparable to previous data, which were based on the Standard Industrial Classification system]

Year	Shipments	Inventories (Dec. 31) ¹	Ratio of inventories to shipments ²	New orders (Dec. 31)	Unfilled orders (Dec. 31)
1992	2,904	370	1.57	(NA)	454
1993	3,020	371	1.51	2,996	430
1994	3,238	391	1.48	3,247	438
1995	3,480	415	1.47	3,496	454
1996	3,597	421	1.44	3,638	495
1997	3,835	433	1.39	3,859	519
1998	3,900	439	1.38	3,885	504
1999	4,032	453	1.38	4,052	524
2000	4,218	474	1.38	4,258	565
2001	3,971	436	1.35	3,921	514

NA Not available. ¹ Inventories are stated at current cost. ² Ratio based on December seasonally adjusted data.

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2001*, Series M3-1(01). See also <<http://www.census.gov/prod/2002pubs/m3-01.pdf>> (released June 2002).

No. 964. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments by Industry Group: 1993 to 2001

[Based on a sample survey; for methodology, see publication cited below. These data are now on a NAICS (North American Industry Classification System) basis and not comparable to previous data, which were based on the Standard Industrial Classification system]

Industry	1993	1994	1995	1996	1997	1998	1999	2000	2001
INVENTORIES TO SHIPMENTS RATIO									
All manufacturing industries . . .	1.51	1.48	1.47	1.44	1.39	1.38	1.38	1.38	1.35
Durable goods	1.79	1.73	1.69	1.65	1.57	1.56	1.53	1.57	1.56
Wood products	1.41	1.31	1.34	1.28	1.26	1.26	1.26	1.31	1.25
Nonmetallic mineral products	1.40	1.33	1.35	1.29	1.25	1.17	1.18	1.22	1.20
Primary metals	1.71	1.70	1.61	1.66	1.61	1.59	1.69	1.67	1.68
Fabricated metals	1.78	1.75	1.72	1.69	1.61	1.56	1.56	1.55	1.50
Machinery	2.22	2.18	2.18	2.12	2.04	2.01	2.06	2.04	2.00
Computers and electronic products, electrical equipment, appliances, and components	1.84	1.76	1.74	1.53	1.51	1.41	1.42	1.54	1.53
Transportation equipment	1.71	1.73	1.68	1.59	1.51	1.45	1.42	1.43	1.37
Furniture and related products	1.71	1.58	1.50	1.59	1.44	1.57	1.41	1.47	1.50
Miscellaneous products	1.63	1.63	1.57	1.49	1.44	1.34	1.35	1.34	1.23
Miscellaneous products	1.96	1.98	2.00	2.02	1.92	1.85	1.89	1.89	1.82
Nondurable goods	1.20	1.20	1.20	1.17	1.16	1.14	1.17	1.13	1.09
Food products	0.86	0.87	0.89	0.88	0.85	0.82	0.86	0.86	0.83
Beverages and tobacco products	1.72	1.58	1.55	1.58	1.71	1.63	1.55	1.50	1.47
Textile mills	1.48	1.47	1.53	1.45	1.41	1.45	1.52	1.48	1.49
Textile product mills	1.70	1.73	1.76	1.72	1.76	1.63	1.62	1.75	1.55
Apparel	1.92	1.94	1.93	1.64	1.70	1.75	1.89	1.92	1.70
Leather and allied products	1.73	1.97	2.03	2.05	1.98	2.05	2.18	2.14	2.10
Paper products	1.27	1.20	1.20	1.20	1.21	1.15	1.16	1.11	1.16
Printing	0.92	0.96	0.97	0.89	0.88	0.80	0.81	0.79	0.74
Petroleum and coal products	0.87	0.95	0.91	0.88	0.82	0.84	0.89	0.70	0.64
Basic chemicals	1.37	1.33	1.34	1.35	1.31	1.31	1.38	1.36	1.36
Plastics and rubber products	1.26	1.28	1.27	1.27	1.22	1.19	1.20	1.21	1.15
UNFILLED ORDERS TO SHIPMENTS RATIO									
All manufacturing industries . . .	1.72	1.64	1.58	1.67	1.64	1.57	1.58	1.62	1.57
Durable goods	3.24	3.01	2.90	3.03	2.93	2.74	2.74	2.88	2.87
Primary metals	1.97	2.04	1.75	1.81	1.94	1.56	1.69	1.45	1.47
Fabricated metals	1.87	1.87	1.83	1.98	2.08	1.99	2.01	2.01	1.92
Machinery	2.55	2.67	2.70	2.63	2.61	2.40	2.50	2.48	2.30
Computers and electronic products, electrical equipment, appliances, and components	3.73	3.38	3.25	2.98	2.81	2.93	3.56	3.59	3.64
Transportation equipment	1.75	1.79	1.74	1.61	1.66	1.56	1.78	1.74	1.52
Furniture and related products	6.18	5.47	5.32	6.07	5.58	5.00	4.25	4.90	5.11
Miscellaneous products	1.23	1.17	1.02	1.05	1.38	1.19	1.27	1.14	1.09
Miscellaneous products	0.27	0.30	0.31	0.39	0.44	0.46	0.49	0.63	0.43

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2001*, Series M3-1(00). See also <<http://www.census.gov/prod/2002pubs/m3-01.pdf>> (released June 2002).

No. 965. Value of Manufacturers' Shipments, Inventories, and New Orders by Industry: 1996 to 2001

[In millions of dollars (3,597,188 represents \$3,597,188,000,000). Based on a sample survey; for methodology, see publication cited below. These data are now on a NAICS (North American Industry Classification System) basis and not comparable to previous data, which were based on the Standard Industrial Classification system]

Industry	1996	1997	1998	1999	2000	2001
SHIPMENTS						
All manufacturing industries	3,597,188	3,834,699	3,899,813	4,031,887	4,217,854	3,971,431
Durable goods	1,978,597	2,147,384	2,231,588	2,326,736	2,379,369	2,173,843
Wood products	81,827	88,470	91,175	97,311	93,767	88,342
Nonmetallic mineral products	81,308	86,465	92,501	96,153	97,484	90,975
Primary metals	157,638	168,118	166,109	156,648	157,057	136,334
Fabricated metals	222,995	242,812	253,720	257,071	269,181	253,528
Machinery	257,459	270,687	280,651	276,904	295,753	283,860
Computers and electronic products	399,516	439,380	443,768	467,059	513,038	418,349
Electrical equipment, appliances, and components	105,283	112,116	116,024	118,313	124,866	118,736
Transportation equipment	516,030	575,307	612,882	676,328	638,699	598,694
Furniture and related products	61,156	64,299	69,616	72,659	75,511	69,216
Miscellaneous products	95,385	99,730	105,142	108,290	114,013	115,809
Nondurable goods	1,618,591	1,687,315	1,668,225	1,705,151	1,838,485	1,797,588
Food products	404,173	421,737	428,479	426,001	434,261	453,218
Beverages and tobacco products	94,033	96,971	102,359	106,920	112,056	116,788
Textile mills	59,796	58,707	57,416	54,306	51,770	44,932
Textile product mills	28,515	31,052	31,137	32,689	33,880	34,484
Apparel	64,237	68,018	64,932	62,305	60,215	57,678
Leather and allied products	10,032	10,877	10,186	9,653	9,610	8,685
Paper products	152,860	150,296	154,984	156,915	166,099	153,378
Printing	95,072	97,485	100,297	101,536	104,614	98,760
Petroleum and coal products	174,181	177,394	137,957	162,620	235,105	220,959
Basic chemicals	385,919	415,617	416,742	420,321	451,580	434,150
Plastics and rubber products	149,773	159,161	163,736	171,885	179,295	174,556
INVENTORIES (Dec. 31)						
All manufacturing industries	420,680	433,451	438,845	452,803	474,032	436,172
Durable goods	265,170	273,330	282,698	288,362	303,655	274,829
Wood products	8,879	9,441	9,684	10,289	10,295	9,203
Nonmetallic mineral products	8,560	8,840	8,877	9,279	9,748	8,980
Primary metals	21,945	22,728	22,305	22,309	22,171	19,308
Fabricated metals	30,611	31,776	32,215	32,800	34,020	31,055
Machinery	43,869	44,490	45,728	46,050	48,745	45,764
Computers and electronic products	48,997	53,045	50,066	52,838	63,285	51,133
Electrical equipment, appliances, and components	13,342	13,530	13,503	13,510	14,367	13,140
Transportation equipment	65,927	66,414	77,014	76,781	75,384	72,212
Furniture and related products	7,426	7,527	7,599	7,983	8,242	6,987
Miscellaneous products	15,614	15,539	15,707	16,523	17,398	17,047
Nondurable goods	155,510	160,121	156,147	164,441	170,377	161,343
Food products	29,751	30,152	29,419	30,650	31,312	31,375
Beverages and tobacco products	12,731	14,188	14,294	14,167	14,356	14,581
Textile mills	6,972	6,640	6,684	6,648	6,149	5,400
Textile product mills	3,898	4,331	4,024	4,219	4,741	4,275
Apparel	8,397	9,267	9,114	9,454	9,271	7,864
Leather and allied products	1,640	1,718	1,667	1,675	1,636	1,450
Paper products	15,120	15,042	14,688	15,034	15,312	14,769
Printing	6,529	6,621	6,212	6,394	6,421	5,631
Petroleum and coal products	12,087	11,492	9,102	11,375	12,802	11,060
Basic chemicals	42,782	44,691	44,943	47,806	50,485	48,469
Plastics and rubber products	15,603	15,979	16,000	17,019	17,892	16,469
NEW ORDERS						
All manufacturing industries	3,638,149	3,859,016	3,884,868	4,051,732	4,258,435	3,920,613
Durable goods	2,019,558	2,171,701	2,216,643	2,346,581	2,419,950	2,123,025
Wood products	81,827	88,470	91,175	97,311	93,767	88,342
Paper products	81,308	86,465	92,501	96,153	97,484	90,975
Primary metals	158,066	171,407	160,743	156,968	154,176	134,090
Fabricated metals	227,447	247,839	253,847	258,116	271,200	249,161
Machinery	258,405	272,998	278,100	278,277	299,105	277,308
Computers and electronic products	398,053	442,816	449,158	496,706	528,301	392,515
Electrical equipment, appliances, and components	104,837	113,411	115,711	120,774	125,476	115,863
Transportation equipment	552,024	581,780	600,205	660,215	659,847	592,456
Furniture and related products	61,499	66,256	69,098	73,393	74,976	68,357
Miscellaneous products	96,092	100,259	106,105	108,668	115,618	113,958
Nondurable goods	1,618,591	1,687,315	1,668,225	1,705,151	1,838,485	1,797,588

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2001*, Series M3-1(00). See also <<http://www.census.gov/prod/2002pubs/m3-01.pdf>> (released June 2002).

No. 966. Value of Manufactures' Shipments, Inventories, and New Orders by Market Grouping: 1996 to 2001

[In millions of dollars (3,597,188 represents 3,597,188,000,000). Based on a sample survey; for methodology, see publication cited below. These data are now on a NAICS (North American Industry Classification System) basis and not comparable to previous data, which were based on the Standard Industrial Classification system]

Market grouping	1996	1997	1998	1999	2000	2001
SHIPMENTS						
All manufacturing industries	3,597,188	3,834,699	3,899,813	4,031,887	4,217,854	3,971,431
Consumer goods	1,309,819	1,375,603	1,364,326	1,438,519	1,516,994	1,488,780
Consumer durable goods	345,266	377,280	385,918	426,337	405,093	381,163
Consumer nondurable goods	964,553	998,323	978,408	1,012,182	1,111,901	1,107,617
Aircraft and parts	80,582	100,126	116,812	120,242	111,023	119,079
Defense aircraft and parts	29,693	27,472	26,938	27,719	24,417	28,102
Nondefense aircraft and parts	50,889	72,654	89,874	92,523	86,606	90,977
Construction materials and supplies	355,413	385,735	418,756	434,138	446,230	420,821
Motor vehicles and parts	387,394	421,573	439,590	498,716	471,677	423,462
Computers and related products	93,926	110,055	114,482	113,162	110,028	87,277
Information technology industries	311,028	349,846	362,564	374,384	404,616	346,013
Nondefense capital goods	630,932	702,971	747,046	768,799	811,099	730,149
Excluding aircraft	605,295	665,074	695,717	713,042	760,797	680,111
Defense capital goods	73,703	76,261	74,690	70,955	66,769	72,280
Durables excluding capital goods	1,273,962	1,368,152	1,409,852	1,486,982	1,501,501	1,371,414
INVENTORIES (Dec. 31)						
All manufacturing industries	420,680	433,451	438,845	452,803	474,032	436,172
Consumer goods	115,751	118,980	116,715	123,218	127,957	122,112
Consumer durable goods	25,212	25,251	25,137	26,307	27,295	24,708
Consumer nondurable goods	90,539	93,729	91,578	96,911	100,662	97,404
Aircraft and parts	35,905	37,509	46,921	42,599	42,501	41,314
Defense aircraft and parts	8,641	8,380	11,376	11,052	10,867	10,506
Nondefense aircraft and parts	27,264	29,129	35,545	31,547	31,634	30,808
Construction materials and supplies	43,275	44,877	45,617	47,510	49,120	44,839
Motor vehicles and parts	20,744	20,298	20,764	22,102	22,190	19,705
Computers and related products	8,841	10,289	8,017	7,963	8,352	6,739
Information technology industries	41,784	46,117	43,592	44,375	51,013	41,207
Nondefense capital goods	110,904	117,932	122,415	121,653	131,254	118,137
Excluding aircraft	90,031	95,226	94,045	96,254	105,783	93,687
Defense capital goods	17,336	14,814	17,775	19,754	18,646	18,516
Durables excluding capital goods	136,930	140,584	142,508	146,955	153,755	138,176
NEW ORDERS						
All manufacturing industries	3,638,149	3,859,016	3,884,868	4,051,732	4,258,435	3,920,613
Consumer goods	1,305,517	1,372,919	1,364,268	1,440,903	1,518,473	1,486,072
Consumer durable goods	340,964	374,596	385,860	428,721	406,572	378,455
Consumer nondurable goods	964,553	998,323	978,408	1,012,182	1,111,901	1,107,617
Aircraft and parts	104,614	109,077	108,004	107,336	128,715	114,334
Defense aircraft and parts	32,520	23,280	23,854	25,717	30,932	38,015
Nondefense aircraft and parts	72,094	85,797	84,150	81,619	97,783	76,319
Construction materials and supplies	373,536	403,860	419,330	435,034	448,383	416,316
Motor vehicles and parts	385,712	422,427	440,934	499,527	469,014	421,927
Computers and related products	95,070	107,564	115,806	114,481	107,442	86,697
Information technology industries	310,074	352,700	365,723	389,160	415,041	332,379
Nondefense capital goods	648,797	728,362	745,600	772,703	833,709	694,633
Excluding aircraft	607,174	676,119	698,279	728,089	771,475	659,443
Defense capital goods	88,471	64,497	64,127	67,900	78,487	80,903
Durables excluding capital goods	1,282,290	1,378,842	1,406,916	1,505,978	1,507,754	1,347,489

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2001*, Series M3-1(01). See also <<http://www.census.gov/prod/2002pubs/m3-01.pdf>> (released June 2002).

No. 967. Finances and Profits of Manufacturing Corporations: 1990 to 2001

[In billions of dollars (2,811 represents \$2,811,000,000,000). Data exclude estimates for corporations with less than \$250,000 in assets at time of sample selection. See Table 746 for individual industry data]

Item	1990	1993	1994	1995	1996	1997	1998	1999	2000	2001
Net sales	2,811	3,014	3,256	3,528	3,758	3,920	3,949	4,149	4,548	4,308
Net operating profit	173	180	242	268	277	298	298	317	348	185
Net profit:										
Before taxes	160	118	244	274	307	331	315	355	381	82
After taxes	112	83	175	198	225	245	234	258	275	36
Cash dividends	62	67	70	81	96	108	121	104	132	102
Net income retained in business	49	16	105	117	129	136	114	154	143	-67

Source: U.S. Census Bureau, *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*.

No. 968. U.S. Exports of Manufactures—Origin of World Exports of Manufacture by Major Product and Country: 1991 to 1999

[In billions of dollars (328 represents 328,000,000,000), except percent]

Item	1991	1992	1993	1994	1995	1996	1997	1998	1999
U.S. manufactures export value	328	350	365	409	464	498	566	570	587
Machinery & transport equipment	200	215	225	252	283	308	354	359	371
Chemicals	43	45	46	52	62	63	71	69	72
Other	85	90	94	104	119	128	141	142	144
Origin of world exports of manufactures (percent):									
United States¹	12.9	12.6	13.1	12.7	12.4	12.8	13.8	13.7	13.7
Machinery & transport equipment	15.9	15.8	16.4	15.7	14.9	15.3	16.6	16.4	16.2
Chemicals	14.4	13.4	13.9	13.5	13.3	13.1	14.2	13.6	13.7
Other	8.5	8.3	8.7	8.5	8.6	9.1	9.7	9.8	9.8
Germany ²	14.2	13.9	12.0	11.8	12.4	11.8	11.1	11.8	11.0
Japan	11.9	11.8	12.6	11.8	11.4	10.1	9.8	8.9	9.3
Other G-7 countries ³	21.6	21.0	20.1	19.7	20.3	20.8	20.1	20.5	19.6
East Asian NICs ⁴	8.2	8.1	8.8	8.9	9.4	9.2	9.1	8.3	8.6

¹ U.S. exports are domestic exports only. ² Prior to 1991, data for are for former West Germany only. ³ Other Group of Seven (G-7) Countries: Canada, France, Italy, United Kingdom. ⁴ East Asian newly industrialized countries (NICs): Hong Kong, S. Korea, Singapore, Taiwan.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Economic Analysis. Based on United Nations Commodity Trade Statistics, *Statistical Yearbook of the Republic of China (Taiwan)*, and unpublished data.

No. 969. Tobacco Products—Summary: 1990 to 2001

[Production data are for calendar years. Excludes cigars produced in customs bonded manufacturing warehouses]

Item	Unit	1990	1994	1995	1996	1997	1998	1999	2000	2001
PRODUCTION										
Cigarettes, total	Billions .	710	726	747	758	720	680	607	580	580
Nonfilter tip	Billions .	23	15	15	14	12	12	8	7	(NA)
Filter tip	Billions .	687	710	732	744	708	669	599	573	(NA)
Cigars	Billions .	1.9	1.9	2.1	2.4	2.3	2.8	2.9	2.8	2.8
Tobacco	Mill. lb.	142	132	131	131	134	131	133	133	131
Smoking	Mill. lb.	16	14	12	12	11	13	15	14	13
Chewing tobacco	Mill. lb.	73	63	63	61	58	53	51	49	47
Snuff	Mill. lb.	53	60	60	62	64	66	67	70	71
EXPORTS										
Cigarettes	Billions .	164.3	220.2	231.1	243.9	217.0	201.3	151.4	147.9	133.9
Cigars	Billions .	72	74	94	84	86	93	84	113	120
Smoking tobacco	Billions .	0.8	0.5	0.3	0.7	0.8	1.1	1.6	0.5	5.3
IMPORTS										
Cigarettes	Billions .	1.4	3.5	3.0	2.8	3.2	4.3	8.7	11.3	14.7
Cigars	Billions .	111	146	195	320	448	582	463	497	489
Smoking tobacco	Billions .	2.9	3.9	4.2	4.2	4.3	4.3	4.3	4.2	4.0
CONSUMPTION										
Consumption per person ²	Lb. ³ . . .	5.6	4.9	4.7	4.7	4.5	4.5	4.3	4.2	4.1
Cigarettes	1,000 . .	3	3	3	3	2	2	2	2	2
Cigars ⁴	Number.	13	12	15	18	18	18	19	19	19
EXPENDITURES										
Consumer expenditures, total	Bill. dol.	43.8	47.7	48.7	50.4	52.2	57.3	72.1	77.5	(NA)
Cigarettes	Bill. dol.	41.6	44.5	45.8	47.2	48.7	53.2	68.3	72.9	(NA)
Cigars	Bill. dol.	0.7	0.9	1.0	1.0	1.2	1.6	1.8	1.8	(NA)
Other	Bill. dol.	1.5	2.3	2.5	2.2	2.2	2.4	2.7	2.7	(NA)

NA Not available. ¹ Smoking and chewing tobaccos and snuff output. ² Based on estimated population 18 years old and over, as of July 1, including Armed Forces abroad. ³ Unstemmed processing weight equivalent. ⁴ Weighing over 3 pounds per 1,000.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation and Outlook*, quarterly.

No. 970. Cotton, Wool, and Manmade Fibers—Consumption by End-Use: 1990 to 2000

[14,011 represents 14,011,000,000. Represents products manufactured by U.S. mills. Excludes glass fiber]

Year	Cotton			Wool		Manufactured fibers							
	Total (mil. lb.)	Total (mil. lb.)	Percent of end-use	Total (mil. lb.)	Percent of end-use	Artificial ¹			Synthetic ²				
						Total (mil. lb.)	Percent of end-use	Total (mil. lb.)	Percent of end-use	Total (mil. lb.)	Percent of end-use		
Total:													
1990	14,011	4,699	33.5	185	1.3	9,127	65.1	599	4.3	8,528	60.9		
1995	16,815	5,508	32.8	184	1.1	11,123	66.1	540	3.2	10,583	62.9		
1997	17,520	5,404	30.8	208	1.2	11,908	68.0	438	2.5	11,470	65.5		
1998	17,698	5,514	31.2	170	1.0	12,014	67.9	370	2.1	11,526	65.1		
1999	17,735	5,328	30.0	135	0.8	12,272	69.2	330	1.9	11,902	67.1		
2000	17,148	4,938	28.8	131	0.8	12,080	70.4	303	1.8	11,776	68.7		
Apparel:													
1990	5,204	2,897	55.7	118	2.3	2,189	42.1	287	5.5	1,902	36.5		
1995	6,877	3,640	52.9	132	1.9	3,106	45.2	306	4.4	2,800	40.7		
1997	7,038	3,541	49.8	153	2.2	3,344	47.9	247	3.6	3,097	44.4		
1998	6,526	3,329	51.0	113	1.7	3,083	47.3	208	3.2	2,875	44.1		
1999	6,417	3,262	50.8	89	1.4	3,065	47.8	172	2.7	2,894	45.1		
2000	6,057	3,007	49.6	79	1.3	2,971	49.1	150	2.5	2,822	46.6		
Home textiles:													
1990	2,235	1,325	59.3	14	0.6	896	40.1	104	4.7	792	35.4		
1995	2,530	1,487	58.8	12	0.5	1,030	40.7	93	3.7	937	37.0		
1996	2,595	1,520	58.7	12	0.5	1,063	40.8	81	3.2	982	37.7		
1997	2,767	1,626	58.8	16	0.6	1,125	40.7	79	2.8	1,046	37.8		
1998	2,916	1,779	61.0	15	0.5	1,122	38.5	67	2.3	1,056	36.2		
1999	2,815	1,656	58.8	15	0.5	1,145	40.7	66	2.3	1,080	38.3		
Floor coverings:													
1990	3,075	18	0.6	21	0.7	3,036	98.7	-	-	3,036	98.7		
1995	3,731	25	0.7	25	0.7	3,681	98.7	-	-	3,681	98.7		
1997	3,956	32	0.8	26	0.6	3,897	98.6	-	-	3,897	98.6		
1998	4,123	36	0.9	29	0.7	4,058	98.4	-	-	4,058	98.4		
1999	4,247	39	0.9	29	0.7	4,180	98.4	-	-	4,180	98.4		
2000	4,107	36	0.9	24	0.6	4,048	98.6	-	-	4,048	98.6		
Industrial: ³													
1990	2,965	313	10.6	10	0.3	2,642	89.1	179	6.0	2,463	83.1		
1995	3,677	355	9.7	15	0.4	3,307	89.9	141	3.8	3,165	86.1		
1997	3,871	360	9.4	16	0.4	3,495	90.2	113	2.9	3,382	87.3		
1998	4,016	371	9.2	13	0.3	3,632	90.4	95	2.4	3,537	88.1		
1999	4,227	372	8.8	13	0.3	3,843	90.9	93	2.2	3,750	88.7		
2000	4,257	369	8.7	13	0.3	3,875	91.0	89	2.1	3,785	88.9		

- Represents or rounds to zero. ¹ Rayon and acetate. ² Nylon, polyester, acrylic, and olefin. ³ Includes consumer-type products.

Source: Fiber Economics Bureau, Inc., Washington, DC, *Fiber Organon*, monthly (copyright).

No. 971. Broadwoven and Knit Fabrics—Shipments and Foreign Trade: 2000

[3,717,511 represents 3,717,511,000. Fabric blends as shown in the report are reported based on the chief weight of the fiber; whereas, fabric blends as shown for imports are based on the chief value of the fiber. Apparent consumption represents new domestic supply and is derived by subtracting exports for the total manufacturers' shipments plus imports]

Product description	Manufacturers' shipments (quantity)	Imports for consumption		Percent imports to manufacturers' shipments	Exports of domestic merchandise		Percent exports to manufacturers' shipments
		Quantity	Value ¹ (\$1,000)		Quantity	Value (\$1,000)	
BROADWOVEN FABRICS (quantity 1,000 sq. meters)							
Cotton fabrics ²	3,717,511	1,617,753	1,853,891	43.5	534,094	1,097,679	14.4
Manmade fiber fabrics	9,055,023	1,165,495	1,413,349	12.9	620,001	1,323,263	6.8
Silk fabrics (D)		37,725	301,058	(D)	2,272	16,959	1,526.6
Wool fabrics	56,742	39,863	312,224	70.3	14,340	78,251	25.3
KNIT FABRICS (quantity in 1,000 kilograms)							
Total	718,548	116,478	786,913	16.2	150,766	1,135,450	21.0
Pile fabrics	69,086	20,533	182,594	29.7	42,745	285,874	61.9
Elastic fabric	31,963	12,907	130,947	40.4	16,612	235,564	52.0
Other warp knit fabrics	86,100	11,049	94,602	12.8	15,765	150,247	18.3
Other narrow knit fabrics	15,977	3,288	22,039	20.6	1,244	12,241	7.8
Other knit fabrics	515,422	68,701	356,731	13.3	74,400	451,524	14.4

D Data withheld to avoid disclosing figures for individual companies. ¹ Dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. ² Includes all cotton and chiefly cotton mixed with manmade fiber.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MQ313 and MA313K, annual; and <<http://www.census.gov/ftp/pub/industry/1/mq22005.pdf>> (issued June 2001) and <<http://www.census.gov/ftp/pub/industry/1/ma22k00.pdf>> (issued July 2001).

No. 972. Footwear—Production, Foreign Trade, and Apparent Consumption: 2000

[Quantity in thousands of pairs (92,736 represents 92,736,000 pairs), value in thousands of dollars (329,484 represents \$329,484,000)]

Product description	Manufacturers' shipments (quantity)	Exports of domestic merchandise		Percent exports to domestic production	Imports for consumption		Apparent consumption (quantity)	Percent imports to apparent consumption
		Quantity	Value		Quantity	Value		
Total	92,736	23,370	329,484	25.2	1,708,460	14,702,955	1,777,743	96.1
Rubber or plastic uppers and rubber or plastic soles	10,241	8,170	66,806	79.8	648,445	3,603,769	650,516	99.7
Waterproof	9,344	1,142	10,008	12.2	8,688	49,551	16,890	51.4
Not waterproof	897	7,028	56,798	783.5	639,757	3,554,218	633,626	101.0
Leather uppers	25,589	8,784	194,779	34.4	715,982	9,680,727	732,704	97.7
Athletic	1,456	5,754	103,259	395.2	548,465	6,506,943	544,167	100.8
Leather soles	7,374	1,791	59,223	24.4	51,357	1,199,862	56,907	90.2
Made with steel safety toes	(D)	208	10,819	(D)	10,798	215,235	(D)	(D)
Boots, ex. with steel safety toes	(D)	298	10,421	(D)	5,817	167,238	(D)	(D)
Shoes, ex. with steel safety toes	4,277	1,285	37,983	30.3	34,742	817,389	37,701	92.2
Other soles	16,759	1,239	32,297	7.4	116,160	1,973,922	131,630	88.2
Made with steel safety toes	2,651	-	-	(NA)	-	-	2,651	(NA)
Boots, ex. with steel safety toes	4,807	1,239	32,297	25.8	116,160	1,973,922	119,728	97.0
Shoes, ex. with steel safety toes	9,301	-	-	(NA)	-	-	9,251	(NA)
Fabric uppers	52,150	6,416	67,899	12.3	344,033	1,418,459	389,767	88.3
Rubber or plastic soles	(D)	5,325	57,513	(D)	266,249	1,019,990	(D)	(D)
Athletic	(D)	4,026	47,885	(D)	37,345	162,244	(D)	(D)
All other	(D)	1,299	9,628	(D)	228,904	857,746	(D)	(D)
With all other soles	(D)	1,091	10,386	(D)	77,784	398,469	(D)	(D)

- Represents zero. D Data withheld to avoid disclosure. NA Not available.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA31A, annual. See also <ftp://ftp.census.gov/pub/industry/1/m31a00.pdf> (released August 2001).

No. 973. Inorganic Chemicals and Fertilizers—Production: 1995 to 2000

[In thousands of short or metric tons (17,402 represents 17,402,000)]

Product description	Unit	1995	1996	1997	1998	1999	2000
INORGANIC FERTILIZERS							
Ammonia, synthetic anhydrous	1,000 sh. tons	17,402	17,923	17,891	18,475	17,337	16,806
Ammonium nitrate, original solution	1,000 sh. tons	8,489	8,498	8,604	9,079	7,630	7,498
Ammonium sulfate	1,000 sh. tons	2,647	2,662	2,711	2,787	2,875	2,868
Urea (100%)	1,000 sh. tons	8,117	8,548	8,190	8,865	8,907	7,621
Nitric acid (100%)	1,000 sh. tons	8,839	9,205	9,433	9,285	8,945	8,479
Phosphoric acid (100% P ₂ O ₅)	1,000 sh. tons	13,134	13,210	13,159	13,891	13,708	13,143
Sulfuric acid, gross (100%)	1,000 sh. tons	47,519	47,770	47,929	48,513	44,756	44,032
Superphosphates and other fertilizer materials (100% P ₂ O ₅)	1,000 sh. tons	10,364	10,547	10,473	10,260	9,133	8,921
INORGANIC CHEMICALS							
Chlorine gas	1,000 metric tons	12,395	12,460	12,922	11,650	12,114	11,912
Sodium hydroxide, total liquid	1,000 metric tons	11,408	11,563	11,972	11,896	11,974	10,449
Potassium hydroxide liquid	1,000 metric tons	(D)	500	533	450	430	489
Finished sodium bicarbonate	1,000 metric tons	520	502	522	493	505	487
Titanium dioxide, composite and pure	1,000 metric tons	1,382	1,352	1,477	1,323	1,355	1,404
Boric acid	1,000 metric tons	(D)	(D)	(D)	(D)	(NA)	(NA)
Hydrochloric acid	1,000 metric tons	3,904	4,116	4,411	4,226	4,191	4,280
Hydrofluoric acid	1,000 metric tons	(D)	(D)	(D)	(D)	(NA)	(NA)
Aluminum oxide	1,000 metric tons	4,764	4,734	5,072	4,537	4,016	(D)
Aluminum sulfate (commercial)	1,000 metric tons	1,144	1,197	1,161	1,058	1,052	990
Sodium metal	1,000 metric tons	(D)	(D)	(D)	(D)	(NA)	(NA)
Sodium chlorate	1,000 metric tons	617	662	626	707	742	852
Sodium phosphate tribasic	1,000 metric tons	21	20	(D)	19	27	(NA)
Sodium phosphate tripoly	1,000 metric tons	(D)	(D)	(D)	205	(D)	(D)
Sodium silicates ¹	1,000 metric tons	1,203	1,105	1,214	1,097	992	1,034
Sodium metasilicates	1,000 metric tons	93	87	83	70	63	66
Sodium sulfate	1,000 metric tons	(D)	(D)	(D)	571	599	(NA)
Calcium carbide	1,000 metric tons	(D)	(D)	(D)	(D)	(NA)	(NA)
Calcium phosphorus	1,000 metric tons	1,567	1,507	1,486	1,798	1,808	(NA)
Carbon activated ²	1,000 metric tons	156	170	173	150	151	161
Hydrogen peroxide	1,000 metric tons	355	343	369	324	342	(S)
Phosphorus, elemental	1,000 metric tons	(D)	(D)	(D)	(D)	(NA)	(NA)
Phosphorous, oxychloride and trichloride	1,000 metric tons	226	242	298	(D)	163	(D)

D Withheld to avoid disclosing data for individual companies. NA Not available. ¹ Other than metasilicates. ² Granular and pulverized.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MAQ325A, and MA325B, annual. See also <ftp://ftp.census.gov/pub/industry/1/mq28a005.pdf> (issued July 2001) and <ftp://ftp.census.gov/pub/industry/1/mq28b005.pdf> (issued July 2001).

No. 974. Pharmaceutical Preparations—Value of Shipments: 1990 to 2000

[In millions of dollars (33,954 represents 33,954,000,000)]

Product description	Product code	1990	1995	1997	1998	1999	2000
Pharmaceutical preparations, except biologicals	(X)	33,954	48,864	57,419	65,712	70,171	78,908
Affecting neoplasms, endocrine systems, and metabolic disease	3254121000	2,743	4,076	5,466	7,633	7,742	8,945
Acting on the central nervous system and sense organs	3254124000	7,219	9,228	11,708	13,605	14,881	18,315
Acting on the cardiovascular system	3254127000	4,815	5,988	8,799	9,368	9,601	8,971
Acting on the respiratory system	325412A000	3,724	5,196	5,641	6,725	8,155	10,177
Acting on the digestive system	325412D000	4,840	8,593	9,482	9,502	8,741	10,077
Acting on the skin	325412G000	1,558	2,171	1,867	2,245	2,798	2,944
Vitamin, nutrient, and hematinic preps.	325412L000	2,588	4,812	5,088	5,851	6,161	6,688
Affecting parasitic and infective disease	325412P000	5,411	7,196	7,795	8,780	9,778	10,902
Pharmaceutical preps. for veterinary use	325412T000	1,057	1,605	1,572	2,003	2,314	1,888

X Not applicable.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, Series MA28G; thereafter, MA325G(00)-1. See also <http://www.census.gov/ftp/pub/industry/1/ma28g00.pdf> (released August 2001).

No. 975. Glass Containers, Clay Construction Products, and Refractories—Quantity and Value of Shipments: 1990 to 2000

[285 represents 285,000,000]

Product description	Unit	1990	1995	1997	1998	1999	2000
Glass container shipments	Mil. of gross ¹	285	269	254	254	256	247
Brick shipments: ²							
Quantity	Mil. of bricks	(NA)	7,244	7,838	8,081	8,553	9,100
Value	Mil. dol.	1,014	1,092	1,331	1,453	1,631	1,694
Clay floor and wall tile shipments: ³							
Quantity	Mil. sq. ft.	(NA)	581	627	621	625	666
Value	Mil. dol.	687	728	834	837	843	857
Clay pipe and fittings shipments:							
Quantity	Mil. sq. ft.	(NA)	138	162	165	177	160
Value	Mil. dol.	60	35	47	48	54	62
Refractory shipments	Mil. dol.	2,003	2,222	2,566	2,379	2,229	1,998
Clay	Mil. dol.	771	941	1,084	1,025	919	771
Nonclay	Mil. dol.	1,232	1,282	1,482	1,354	1,311	1,228

NA Not available. ¹ One thousand gross = 144,000. ² Building or common and face bricks. ³ Floor and wall tile including quarry tile.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, Series M32G, MQ32D, and MA32C, annual; thereafter, M327G, MQ327D, and MA327C.

No. 976. Aluminum—Supply, Shipments, and Foreign Trade: 1990 to 2001

[In millions of pounds (17,334 represents 17,334,000,000)]

Item	1990	1995	1996	1997	1998	1999	2000	2001
SUPPLY								
Aluminum supply, total	17,334	20,425	20,848	21,945	22,970	24,590	23,586	20,516
Primary production	8,925	7,441	7,887	7,944	8,185	8,330	8,087	5,812
Recovery from scrap	5,276	7,028	7,291	7,819	7,589	8,146	7,606	6,900
Imports of ingot and mill products	3,133	5,956	5,671	6,183	7,196	8,113	7,893	7,804
Aluminum net shipments, total ¹	17,188	21,019	21,155	22,513	23,189	24,673	24,496	21,476
PRODUCT								
Mill products, total	13,013	15,716	15,605	16,609	17,019	17,989	17,676	15,590
Sheet, plate, and foil	9,297	11,168	10,936	11,536	11,801	12,437	12,116	11,021
Rod, bar, and wire	370	534	582	621	657	670	690	563
Electrical conductor	542	566	604	629	631	676	681	598
Extruded shapes and tube	2,546	3,102	3,139	3,473	3,559	3,817	3,792	3,058
Powder and paste	106	108	108	118	123	130	142	140
Forgings and impacts	152	238	236	232	248	259	255	210
Ingot for castings and other ²	4,175	5,303	5,550	5,904	6,170	6,684	6,820	5,886
MARKET								
Domestic, total	14,637	18,152	18,313	19,523	20,358	21,707	21,676	19,041
Building and construction	2,663	2,679	2,921	2,921	3,070	3,237	3,204	2,895
Transportation	3,205	5,749	5,820	6,592	7,162	7,938	7,947	6,646
Consumer durables	1,122	1,369	1,443	1,529	1,599	1,675	1,692	1,445
Electrical	1,309	1,395	1,447	1,532	1,527	1,646	1,700	1,376
Machinery and equipment	992	1,257	1,254	1,381	1,386	1,458	1,496	1,284
Containers and packaging	4,772	5,088	4,796	4,895	5,012	5,106	4,992	4,851
Other	574	615	632	673	602	647	645	544
Exports	2,551	2,867	2,842	2,990	2,831	2,967	2,820	2,435
FOREIGN TRADE ³								
Exports	3,753	3,846	3,600	3,763	3,743	3,865	4,097	3,712
Imports	3,718	6,910	6,580	7,209	8,342	9,506	9,357	8,853

¹ Data presented on this report have been adjusted to shipments and inventories plus imports by consumers. ² Net ingot for foundry castings, export and destructive uses. ³ U.S. imports and exports of aluminum ingot, mill products and scrap.

Source: The Aluminum Association, Inc., Washington, DC, *Aluminum Statistical Review*, annual; and *Aluminum Facts at a Glance*, June 2002.

No. 977. Iron and Steel Industry—Summary: 1990 to 2001

[95.5 represents 95,500,000 tons. For financial data, the universe in 1992 consists of the companies that produced 68 percent of the total reported raw steel production. The financial data represent the operations of the steel segment of the companies. Minus sign (-) indicates net loss]

Item	Unit	1990	1995	1996	1997	1998	1999	2000	2001, prel.
Steel mill products, apparent supply	Mil. tons ¹	95.5	109.6	117.5	124.6	131.6	127.9	131.9	116.9
Net shipments	Mil. tons ¹	85.0	97.5	100.9	105.9	102.4	106.2	109.1	99.4
Exports	Mil. tons ¹	4.3	7.1	5.0	6.0	5.5	5.4	6.5	6.1
Imports	Mil. tons ¹	17.2	24.4	29.2	31.2	41.5	31.2	29.4	30.1
Scrap consumed	Mil. tons ¹	50.1	62.0	62.0	64.0	64.0	62.0	65.0	(NA)
Scrap inventory	Mil. tons ¹	3.6	4.1	5.3	5.5	4.5	5.3	5.3	(NA)
Iron and steel products: Exports	Mil. tons ¹	5.3	8.2	6.2	7.4	6.9	6.7	7.7	7.2
Imports	Mil. tons ¹	21.9	27.3	32.1	34.4	45.4	40.2	42.6	34.4
Capacity by steelmaking process	Mil. net tons.	116.7	112.4	116.1	121.4	125.3	128.2	130.3	125.5
Revenue	Bil. dol.	30.9	35.1	34.9	36.6	38.1	36.3	38.8	(NA)
Net income	Bil. dol.	0.1	1.5	0.4	1.0	1.1	-0.5	-1.1	(NA)
Stockholders' equity	Bil. dol.	4.3	8.6	10.2	9.8	12.5	11.8	9.9	(NA)
Total assets	Bil. dol.	28.3	35.1	35.8	38.3	42.2	43.7	43.9	(NA)
Capital expenditures	Bil. dol.	2.6	2.5	2.3	2.7	3.1	2.8	2.1	(NA)
Working capital ratio ²	Ratio	1.6	1.5	1.7	1.6	1.6	1.7	1.7	(NA)
Inventories	Bil. dol.	4.7	5.1	5.4	5.8	6.8	6.5	6.8	(NA)
Average employment	1,000	169.0	122.6	118.8	111.8	109.6	102.2	99.5	(NA)
Hours worked	Million	350.0	269.2	258.9	247.2	240.0	222.7	219.7	(NA)
Index of output, all employees ³	1987=100	109.7	142.6	147.5	155.0	151.0	155.6	160.1	(NA)

NA Not available. ¹ In millions of short tons. ² Current assets to current liabilities. ³ Output per hour. Source: U.S. Bureau of Labor Statistics, Internet site <<http://stats.bls.gov/iprhome.htm>>.

Source: Except as noted, American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

No. 978. Raw Steel, Pig Iron, and Ferroalloys Production: 1990 to 2001

[In millions (849.4 represents 849,400,000), except percent]

Item	1990	1995	1996	1997	1998	1999	2000	2001, prel.
Raw steel (net tons):								
World production	849.4	829.4	826.9	874.9	856.8	868.2	932.7	(NA)
U.S. production	98.9	104.9	105.3	108.6	108.8	107.4	112.2	99.3
Percent of world	11.6	12.6	12.7	12.4	12.7	12.4	12.0	(NA)
Furnace:								
Basic oxygen process	58.5	62.5	60.4	61.1	59.7	57.7	59.5	52.2
Electric	36.9	42.4	44.9	47.5	49.1	49.7	52.8	47.1
Open hearth	3.5	-	-	-	-	-	-	-
Grade:								
Carbon	86.6	92.7	93.6	95.9	97.1	96.5	101.5	90.8
Alloy and stainless	12.3	12.3	11.7	12.6	11.7	10.9	10.7	8.5
Pig iron and ferroalloys production (sh. tons)	54.8	56.1	54.5	54.7	53.2	51.0	52.8	46.4

- Represents or rounds to zero. NA Not available

Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

No. 979. Steel Products—Net Shipments by Market Classes: 1990 to 2000

[In thousands of short tons (84,981 represents 84,981,000). Comprises carbon, alloy, and stainless steel]

Market class	1990	1995	1996	1997	1998	1999	2000
Total¹	84,981	97,494	100,878	105,858	102,420	106,201	109,050
Automotive	11,100	14,622	14,665	15,251	15,842	16,771	16,063
Steel service centers, distributors	21,111	23,751	27,124	27,800	27,751	28,089	30,108
Construction, incl. maintenance ²	9,245	14,892	15,561	15,885	15,289	18,428	20,290
Containers, packaging, shipping	4,474	4,139	4,101	4,163	3,829	3,842	3,708
Machinery, industrial equipment, tools	2,388	2,310	2,410	2,355	2,147	1,722	1,784
Steel for converting and processing	9,441	10,440	10,245	11,263	9,975	11,309	12,708
Rail transportation	1,080	1,373	1,400	1,410	1,657	1,031	1,307
Contractors' products	2,870	(²)	(²)	(²)	(²)	(²)	(²)
Oil and gas industries	1,892	2,643	3,254	3,811	2,649	2,151	2,885
Electrical equipment	2,453	2,397	2,401	2,434	2,255	2,267	2,055
Appliances, utensils, and cutlery	1,540	1,589	1,713	1,635	1,729	1,789	1,907

¹ Includes nonclassified shipments and other classes not shown separately. ² Beginning 1994, contractors' products included with construction.

Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

No. 980. U.S. Machine Tool Consumption—Gross New Orders and Exports: 1999 and 2000

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

No. 981. Metalworking Machinery—Value of Shipments: 1990 to 2000

[In millions of dollars (3,426.1 represents \$3,426,100,000)]

Product	NAICS product code	1990	1995	1996	1997	1998	1999	2000
		3,426.1	4,547.1	4,607.8	5,010.3	4,817.1	3,783.3	3,632.4
Metalworking machinery	(X)							
Metal cutting type ¹	(X)	2,371.3	3,036.6	3,141.1	3,583.3	3,481.8	2,512.6	2,552.4
Boring machines ²	333512A1	(²)	172.4	88.9	80.2	73.6	53.8	87.2
Drilling machines ³	333512A1	184.1	78.9	99.5	89.2	102.9	50.6	23.7
Gear cutting machines	33351211	102.7	137.1	164.3	213.5	197.7	132.0	180.6
Grinding and polishing machines	33351220	433.6	549.6	541.3	595.0	535.5	477.1	454.3
Lathes	33351230	355.6	478.0	451.1	480.7	472.9	297.4	287.0
Milling machines ⁴	33351240	214.3	194.8	199.7	280.2	281.1	200.5	150.5
Machining centers ⁵	33351270	437.0	698.8	779.4	931.6	897.3	597.9	629.7
Station type machines	33351280	502.1	477.0	498.6	551.9	571.0	407.1	401.8
Other metal cutting machine tools ⁶	33351290	141.9	246.2	316.0	358.3	344.6	291.7	333.2
Metal forming type	(X)	1,080.2	1,510.5	1,466.6	1,427.0	1,335.3	1,270.7	1,080.0
Punching and shearing machines	33351310 pt.	200.1	326.3	331.4	319.2	254.3	220.0	203.8
Bending and forming machines	33351310 pt.	222.9	256.9	283.0	258.5	262.7	265.8	262.4
Presses, except forging	33351330	308.3	379.2	402.0	422.4	399.5	433.7	303.1
Forging machines ⁷	33351350 pt.	73.9	(D)	(D)	(D)	(D)	(D)	(D)
Other metal forming ⁷	33351350 pt.	275.0	548.1	450.2	426.9	418.8	351.2	310.7

D Data withheld to avoid disclosure. X Not applicable. ¹ Data for "All lathes (turning machines)" and "All milling machines," valued at under \$3,025 each are included in total "Metal cutting type" for 1995 through 2000. ² For 1990, data for "Boring machines" were combined with "Drilling machines" to avoid disclosing individual company data. ³ For 1995 through 2000 product code 33351230, "Lathes," excludes the value for product code 3335123031. All lathes valued under \$3,025 each. ⁴ For 1995 through 2000 product code 33351240, "Milling machines," excludes the value for product code 3335124001. "All milling machines valued under \$3,025 each." ⁵ Multi-function numerically controlled machines. ⁶ Excludes those designed primarily for home workshops, labs, etc. ⁷ For 1995 through 2000, data for "Forging machines" have been combined with "Other metal forming machines" to avoid disclosing individual company data.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, Series MQ35W; and thereafter, MQ333W. See also <<http://www.census.gov/ftp/pub/industry/1/mq35w005.pdf>> (revised 06 June 2001).

No. 982. Selected Types of Construction Machinery—Value of Shipments: 1990 to 2000

[In millions of dollars (2,235.9 represents 2,235,900,000)]

Product description	Product code	1990	1995	1997	1998	1999	2000
		Tractor shovel loaders	33312014	2,235.9	3,041.8	3,912.5	4,235.9
Power cranes, draglines, and shovels	33312011	1,511.8	2,561.4	2,927.4	3,289.2	3,124.7	3,037.3
Mixers, pavers, and related equipment	33312012	609.6	1,168.8	1,283.8	1,480.3	1,608.2	1,494.2
Off-highway trucks, truck-type tractor, chassis trailers, coal haulers, or wagons	33312013	957.7	1,326.9	1,596.3	1,425.6	834.6	855.2
Motor graders and light maintainers	33312016	408.0	479.9	(D)	(D)	(D)	(D)
Rough terrain forklifts	33312016	209.3	355.4	499.5	668.1	616.8	549.2
Self-propelled continuous ditchers and trenchers	33312016	129.7	193.5	238.7	266.7	287.4	283.5
Construction machinery for mounting on trucks, tractors, and other prime movers	33312017	(X)	(D)	258.6	278.3	274.8	311.2
Aerial work platforms	33392372	814.9	1,131.1	(D)	2,055.2	2,491.8	2,682.7

D Withheld to avoid disclosing figures for individual companies. X Not applicable.

Source: U.S. Census Bureau, 1990-1998, *Current Industry Reports*, Series MA35D; thereafter, Series, MA333D. See also <<http://www.census.gov/ftp/pub/industry/1/ma35d00.pdf>> (released 27 July 2001).

No. 983. Mining and Mineral Processing Equipment—Shipments: 1999 and 2000

Product	Product code	Number of companies, 2000	Quantity (units)			Value (mil. dol.)	
			1999	2000	1999	2000	
Mining and mineral processing equipment	(X)	(X)	(X)	(X)	1,338	1,261	
Portable crushing, screening, washing, and combination plants	33312081	16	957	834	165	135	
Underground mining machinery ¹	33313110	26	17,488	16,564	333	297	
Crushing/pulverizing/screening machinery ²	33313150	36	4,604	5,118	324	309	
Drills and other mining machinery, n.e.c. ^{1, 3}	33313171	25	24,206	16,274	156	133	
Portable drilling rigs and parts	3331327	23	(X)	(X)	361	387	

X Not applicable. ¹ Excludes parts. ² Excludes portables and parts. ³ N.e.c. = Not elsewhere classified.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA333F. See also <<http://www.census.gov/ftp/pub/industry/1/ma35f00.pdf>> (issued July 2001).

No. 984. Engines, Refrigeration and Heating Equipment, and Pumps and Compressors—Shipments: 1995 to 2000

[23,274 represents 23,274,000]

Product	Unit	1995	1997	1998	1999	2000
Internal combustion engines produced	1,000 . . .	23,274	25,077	27,523	27,069	24,431
Gasoline (except outboard, aircraft, and auto)	1,000 . . .	22,287	23,989	26,352	25,781	23,263
Nonautomotive diesel (except aircraft)	1,000 . . .	246	300	296	344	299
Automotive diesel	1,000 . . .	732	771	851	927	849
Natural gas and LPG	1,000 . . .	9	18	24	16	19
Air-conditioning, heating equipment shipments:						
Heat transfer equipment	Mil. dol . . .	(NA)	4,246	4,472	5,065	4,656
Room air-conditioners and dehumidifiers	Mil. dol . . .	(NA)	1,020	1,098	1,144	1,208
Motor vehicle mechanical air-conditioning systems	Mil. dol . . .	(NA)	2,221	2,100	2,057	2,362
Compressors and compressor units	Mil. dol . . .	(NA)	2,796	2,814	2,972	2,977
Automotive air-conditioning compressors	Mil. dol . . .	(NA)	1,951	1,977	2,152	2,097
Nonelectric warm air furnaces and dehumidifiers	Mil. dol . . .	(NA)	1,558	1,607	1,517	1,564
Unitary air conditioners	Mil. dol . . .	(NA)	4,615	5,229	5,614	5,348
Air source heat pumps	Mil. dol . . .	(NA)	917	1,054	1,025	997
Pumps and compressors ¹	Mil. dol . . .	7,373	8,879	8,759	8,515	8,660
Industrial pumps	Mil. dol . . .	2,700	2,732	2,968	2,592	2,794
Domestic water systems	Mil. dol . . .	329	357	414	471	468
Air and gas compressors	Mil. dol . . .	2,466	2,635	2,520	2,561	2,462

NA Not available. ¹ Includes products not shown separately.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA333L, MA333M, and MA333P. See also <<http://www.census.gov/ftp/pub/industry/1/ma35l00.pdf>> (released August 2001); <<http://www.census.gov/ftp/pub/industry/1/ma35m00.pdf>> (released September 2001); and <<http://www.census.gov/ftp/pub/industry/1/ma35p00.pdf>> (released November 2001).

No. 985. Computers and Office and Accounting Machines—Value of Shipments: 1990 to 2000

[In millions of dollars (25,630 represents 25,630,000,000)]

Selected products	1990	1995	1997	1998	1999	2000
Electronic computers ¹	25,630	49,038	50,250	56,892	64,696	62,072
Host computers (multi-users)	(NA)	(NA)	12,240	15,010	21,089	22,366
Single user computers	(NA)	(NA)	36,988	41,002	42,765	38,721
Other computers	(NA)	(NA)	(D)	48	(D)	(D)
Loaded computer processor boards and board subassemblies ²	2,247	24,448	27,040	26,047	30,091	35,992
Computer storage devices & equipment	7,488	7,903	8,837	9,319	9,827	9,532
Parts for computer storage devices & subassemblies	955	2,236	2,382	2,310	2,254	1,424
Computer terminals	2,067	1,086	781	529	541	425
Computer peripheral equipment, n.e.c.	7,697	12,331	13,555	12,145	12,889	12,706
Parts for input/output equipment	3,706	2,391	2,628	2,630	2,388	2,637
Calculating and accounting machines	(D)	1,279	1,622	1,061	1,196	800
Magnetic and optical recording media	3,695	5,106	5,739	4,736	3,907	3,412

D Withheld to avoid disclosing data for individual companies. NA Not available. ¹ Beginning 1997, computer industry data are not entirely comparable to previous years. ² These data are collected on two Current Industrial Report forms, MA35R, Computers and Office and Accounting Machines (Shipments) and MA36Q, Semiconductors, Printed Circuit Boards, And Other Electronic Components.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334R. See also <<http://www.census.gov/ftp/pub/industry/1/ma35r00.pdf>> (released September 2001).

No. 986. Computers and Office and Accounting Machines—Shipments: 1999 and 2000

[Quantity in thousands of units (30,335 represents 30,335,000, value in millions of dollars (64,696 represents \$64,696,000,000)]

Product	Number of companies, 2000	Quantity (1,000)		Value (mil. dol.)	
		1999	2000	1999	2000
Electronic computers (automatic data processors)	132	30,335	27,704	64,696	62,072
Host computers (multi-users):					
Large scale systems and unix servers	16	1,393	1,526	6,885	7,168
Medium-scale systems and unix servers	24	1,074	(D)	10,760	(D)
PC servers	24	638	(D)	2,886	(D)
Other host computers	9	29	15	559	191
Single user computers:					
Personal computers	36	19,610	15,900	26,827	22,588
Workstations	36	1,586	2,702	7,191	5,606
Laptops (AC/DC)	10	(D)	7	(D)	13
Notebooks, subnotebooks (battery operated)	16	(D)	4,169	(D)	9,600
Personal digital assistants	5	(D)	(D)	(D)	(D)
Other portable computers	6	(D)	(D)	(D)	(D)
Other single user computers	5	207	217	110	107
Other computers	35	1,492	284	841	986
Computer storage devices and equipment	71	(X)	(X)	9,827	9,532
Parts for computer storage devices and subassemblies	18	(X)	(X)	2,253	1,424
Computer terminals	37	(X)	(X)	541	425
Computer peripheral equipment, n.e.c. ¹	220	(X)	(X)	12,889	12,706
Keyboards	25	10,702	(D)	735	(D)
Computer printers:					
Laser	27	1,879	3,369	3,319	2,989
Inkjet	12	11,435	7,691	1,036	741
Calculating and accounting machines	33	(X)	(X)	1,196	800
Printed circuit assemblies	748	(X)	(X)	30,091	35,992
Magnetic and optical recording media	53	(X)	(X)	3,907	3,412

D Withheld to avoid disclosure of individual companies. X Not applicable. ¹ N.e.c. = Not elsewhere classified. Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334R; and <<http://www.census.gov/ftp/pub/industry/1/ma35r00.pdf>> (released September 2001).

No. 987. Computers and Industrial Electronics—Factory Shipments: 1990 to 1999

[In millions of dollars (50,793 represents \$50,793,000,000)]

Item	1990	1995	1996	1997	1998	1999
Computer and peripheral equipment, total	50,793	73,555	78,278	76,287	78,356	85,216
Computers	25,973	49,038	50,682	50,250	56,892	62,712
Peripheral equipment	24,820	24,517	27,597	26,037	21,464	22,504
Industrial electronics, total	26,183	33,732	35,472	38,108	36,887	37,288
Controlling, processing equipment	12,728	16,450	17,051	18,212	18,082	18,310
Testing, measuring equipment	6,859	10,109	11,224	11,966	11,213	11,585
Nuclear electronic equipment	567	501	491	516	560	527
Robots, accessories, and components	275	(NA)	(NA)	(NA)	(NA)	(NA)
Other electronic equipment	5,754	6,672	6,706	7,414	7,033	6,867

NA Not available.

Source: Consumer Electronics Association, Washington, DC, *Electronic Market Data Book*, annual (copyright).

No. 988. Consumer Electronics and Electronic Components— Factory Sales by Product Category: 1990 to 2000

[In millions of dollars (43,033 represents \$43,033,000,000). Factory sales include imports]

Product category	1990	1995	1996	1997	1998	1999	2000
Total ¹	43,033	64,530	74,690	78,818	84,684	95,117	93,082
Video products:							
Direct-view color TV	6,197	6,798	6,026	6,122	6,199	6,503	4,990
LCD color TV	50	44	38	39	36	36	42
Projection TV	626	1,417	1,361	1,577	1,632	1,481	1,057
TV/VCR combinations	178	723	684	831	1,014	968	986
Monochrome TV	99	34	27	23	20	15	15
LCD Monochrome TV	33	31	30	28	25	25	20
Other video:							
VCR decks	2,439	2,767	2,618	2,409	2,333	1,869	1,099
Camcorders	2,260	2,130	1,894	2,144	2,448	2,838	2,247
Laserdisc players	72	108	25	10	3	3	(NA)
Home satellite earth stations	421	1,265	726	733	957	535	921
Videocassette players	65	59	39	21	15	14	5
Digital versatile disc players (DVD)	(NA)	(NA)	171	421	1,099	1,717	2,145
Home and portable products:							
Compact audio systems	1,270	1,162	1,419	1,557	1,695	1,776	1,357
Separate audio components	1,935	1,911	1,609	1,565	1,530	1,545	1,425
Home radios	360	284	300	300	348	351	315
Portable audio equipment	1,645	2,506	2,033	2,146	1,987	2,155	1,959
Mobile electronics:							
Aftermarket autosound equipment	1,192	1,931	1,811	1,859	2,070	2,169	2,100
Factory installed autosound	3,100	3,100	2,710	2,540	2,610	2,700	2,850
Wireless (cellular) telephones	1,133	2,574	5,940	6,000	6,066	8,995	8,651
Pagers	118	300	460	550	660	750	790
Vehicle security	190	142	210	213	205	218	266
Home office products:							
Cordless telephones	842	1,141	1,679	1,745	1,808	1,562	1,960
Corded telephones	638	557	528	489	483	386	320
Telephone answering devices	827	1,077	1,020	1,104	1,044	994	1,074
Home computers	4,187	12,600	15,950	16,640	16,390	16,400	12,960
Computer printers	(NA)	2,430	3,900	4,188	4,500	5,116	5,245
Modems/fax modems	(NA)	770	1,170	1,305	1,460	1,564	1,564
Computer peripherals	1,980	816	1,212	1,440	1,950	2,150	2,365
Computer software (incl. CD-ROM)	971	2,500	3,450	3,930	4,480	5,062	5,771
Home fax machines	920	919	1,139	647	455	386	349
Digital cameras	(NA)	(NA)	483	519	1,207	1,825	2,033
Electronic gaming:							
Electronic gaming hardware	975	1,500	1,650	1,980	2,250	2,700	3,250
Electronic gaming software	2,400	3,000	3,900	4,480	5,100	5,850	6,725
Blank media:							
Blank audio cassettes	376	334	281	248	208	162	128
Blank videocassettes	948	708	695	639	590	351	438
Blank floppy diskettes	314	373	500	700	900	1,200	1,550
Accessories and batteries:							
Electronic accessories	793	944	982	1,178	1,398	1,356	1,450
Total primary batteries	1,383	2,600	2,869	2,963	3,620	4,943	4,590

NA Not available. ¹ Includes categories, not shown separately.

Source: Consumer Electronics Association, Washington, DC, *Electronic Market Data Book*, annual (copyright).

No. 989. Communication Equipment—Value of Shipments: 1990 to 2000

[In millions of dollars (36,990 represents \$36,990,000,000)]

Product description	Product code	1990	1995	1997	1998	1999	2000
Total	(X)	36,990	56,362	73,588	82,198	89,557	104,389
Telephone switching and switchboard equipment	3342101	7,537	8,178	10,302	12,422	13,742	15,174
Carrier line equipment and modems	3342104	5,014	5,869	7,278	9,379	9,263	13,112
Other telephone and telegraph equipment and components	3342107	3,181	10,510	16,488	19,897	23,258	28,971
Communication systems and equipment (except broadcast)	3342201	14,768	23,032	29,416	31,128	33,281	36,357
Broadcast, studio, and related electronic equipment	3342203	1,856	2,845	3,360	3,625	4,000	4,029
Intercommunications systems, including inductive paging systems (selective calling)	3342903	346	296	256	249	401	447
Alarm systems	3342901	1,027	1,662	1,926	2,024	2,218	2,755
Vehicular and pedestrian traffic control equipment and electrical railway signals and attachments	3342902	471	711	964	912	952	838
Electronic teaching machines, teaching aids, trainers and simulators	3333197	1,209	913	872	713	701	782
Laser sources ¹	3359997	(NA)	788	992	(S)	(S)	(S)
Ultrasonic equipment	335999A	109	172	213	205	226	272
Other electronic systems and equipment, n.e.c. ²	335999C	1,473	1,387	1,520	1,645	1,515	1,652

NA Not available. S Does not meet publication standards. X Not applicable. ¹ Beginning in 1995, data for laser equipment, instrumentation, and components were eliminated from this survey. Only laser sources are being collected. ² Not elsewhere classified.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334P. See also <<http://www.census.gov/ftp/pub/industry/1/m3a36p00.pdf>> (issued October 2001).

No. 990. Semiconductors, Printed Circuit Boards, and Other Electronic Components—Value of Shipments by Class of Product: 1990 to 2000

[In millions of dollars (56,301 represents \$56,301,000,000). N.e.c.=not elsewhere classified]

Class of product	Product code	1990	1995	1997	1998	1999	2000
Total	(X)	56,301	118,906	131,512	130,386	141,662	168,269
Transmittal, industrial, and special-purpose electron tubes (except x-ray)	3344111	1,097	855	656	630	673	706
Electron tubes, receiving type	(X)	24	(¹)	(¹)	(¹)	(¹)	(¹)
Receiving type electron tubes and cathode ray picture tubes	3344114	1,344	1,907	1,343	1,367	1,579	1,458
Electron tube parts	3344117	143	120	161	147	136	143
Printed circuit boards	3344120	7,175	8,367	8,702	8,473	9,150	11,129
Integrated microcircuits (semiconductor networks)	3344131	16,623	48,438	57,019	57,644	62,868	76,508
Transistors	3344134	682	943	1,500	887	994	1,375
Diodes and rectifiers	3344137	668	1,067	1,191	908	1,038	629
Other semiconductor devices	334413A	5,741	12,639	10,262	11,056	11,745	11,871
Capacitors for electronic applications	3344140	1,392	1,785	2,099	1,947	2,035	2,663
Resistors	3344150	800	953	993	945	971	1,026
Coils, transformers, reactors, and chokes for electronic applications	3344160	976	1,412	1,426	1,368	1,423	1,680
Coaxial connectors	3344171	420	732	581	590	631	782
Cylindrical connectors	3344174	514	553	555	580	550	659
Rack and panel connectors	3344177	500	541	658	746	391	676
Printed circuit connectors	334417A	805	1,026	1,277	1,125	1,376	2,389
Other connectors including parts	334417D	1,085	1,402	2,209	1,973	2,041	2,206
Filters (except microwave) and piezoelectric devices	3344191	457	729	815	798	858	1,076
Microwave components and devices	3342207	1,369	1,233	1,440	1,581	1,622	2,450
Transducers, electrical/electronic input or output	3344194	741	1,111	1,220	1,373	1,331	1,408
Switches, mechanical types for electronic circuitry	3344197	579	666	791	883	883	901
Printed circuit assemblies	334418A	8,269	24,448	27,040	26,047	30,091	35,992
All other electronic components n.e.c	334419D	4,898	6,978	7,485	7,322	7,276	8,542

X Not applicable. ¹ Product codes combined to avoid disclosing figures for individual companies.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334Q. See also <<http://www.census.gov/ftp/pub/industry/1/ma36q00.pdf>> (released September 2001).

No. 991. Selected Instruments and Related Products—Value of Shipments: 1990 to 2000

[In millions of dollars (1,418 represents \$1,418,000,000)]

Product description	Product code	1990	1995	1997	1998	1999	2000
Total	(X)	64,928	65,688	72,990	71,272	71,672	77,342
Automatic regulating and control valves	332911F	1,418	1,860	2,097	2,082	2,347	2,344
Solenoid-operated valves (except nuclear and fluid power transfer)	332911H	346	464	541	524	486	476
Aeronautical, nautical, and navigational instruments	3345111	2,518	2,125	2,531	2,504	2,800	2,773
Search & detection, navigation & guidance systems and equipment	3345113	32,420	24,697	26,584	26,031	24,598	25,558
Laboratory apparatus and laboratory furniture	3391110	1,675	1,837	1,888	1,843	1,782	1,964
Controls for monitoring residential and commercial environments and appliance	3345120	1,982	2,533	2,717	2,860	3,013	3,259
Process control instruments	3345130	5,224	6,439	7,073	6,637	6,825	7,185
Integrating and totalizing meters for gas and liquids	3345141	725	915	1,079	1,147	1,081	1,063
Counting devices	3345143	210	364	435	394	391	507
Motor vehicle instruments	3345145	1,457	2,193	2,245	2,436	2,851	3,104
Integrating instruments, electrical	3345151	396	445	457	460	473	490
Test equipment for testing electrical, radio and communication circuits, and motors	3345153	6,156	9,255	11,639	10,454	11,034	14,017
Instruments to measure electricity	3345155	586	555	456	377	365	425
Analytical, scientific instruments (except optical)	3345160	4,412	5,737	6,059	6,162	6,410	6,441
Sighting, tracking, and fire-control equipment, optical type	3333141	581	655	575	510	534	475
Optical instruments and lenses	3333143	1,252	1,579	2,005	2,068	2,354	2,790
Aircraft engine instruments (except flight)	3345191	579	430	521	657	658	694
Physical properties and kinematic testing equip.	3345193	1,012	1,374	1,523	1,728	1,736	1,743
Nuclear radiation detection and monitoring instruments	3345195	567	501	530	567	539	569
Commercial, geophysical, meteorological, and general purpose instruments	3345197	1,140	1,373	1,677	1,534	1,081	1,139
Surveying and drafting instruments	3345199	274	356	360	297	314	326

X Not applicable.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, Series MA38B; thereafter Series MA334B. See also <<http://www.census.gov/ftp/pub/industry/1/ma38b00.pdf>> (issued October 2001).

No. 992. Motor Vehicle Manufactures—Summary by Selected Industry: 2000

[1,170,194 represents 1,170,194,000. Based on the Annual Survey of Manufactures; see Appendix III]

Industry	NAICS code ¹	All employees ²			Production workers ²	Value of shipments ³ (mil. dol.)
		Payroll				
		Number	Total (mil. dol.)	Per employee (dol.)		
Motor vehicle manufacturing, total	3361-3363	1,170,194	54,032	46,174	955,936	471,677
Motor vehicle, total	3361	230,525	14,559	63,155	200,916	239,396
Automobile & light duty motor vehicle	33611	195,942	12,947	66,229	172,526	220,068
Automobile	336111	94,883	6,018	63,426	82,336	98,921
Light truck & utility vehicle	336112	100,609	6,929	68,872	90,191	121,147
Heavy duty truck	33612	35,033	1,612	46,003	28,390	19,328
Motor vehicle body & trailer	3362	136,621	4,194	30,697	111,081	27,516
Motor vehicle body & trailer	33621	136,621	4,194	30,697	111,081	27,516
Motor vehicle body	336211	44,360	1,447	32,625	34,096	10,651
Truck trailer	336212	34,259	1,010	29,496	28,859	6,380
Motor home	336213	18,160	542	29,825	15,035	4,212
Travel trailer & camper	336214	39,843	1,194	29,978	33,092	6,273
Motor vehicle parts	3363	803,048	35,280	43,932	643,939	204,765
Motor vehicle gasoline engine & engine parts	33631	97,306	4,742	48,730	79,966	31,465
Carburetor, piston, piston ring, & valve	336311	18,581	784	42,220	15,203	3,273
Gasoline engine & engine parts	336312	78,725	3,957	50,266	64,763	28,192
Motor vehicle electrical & electronic equip.	33632	118,826	4,605	38,754	87,596	26,062
Vehicular lighting equipment	336321	15,055	646	42,885	11,135	3,000
Other motor vehicle electrical & electronic equip.	336322	103,771	3,959	38,155	76,461	23,062
Motor vehicle steering & suspension components, ex. spring	33633	51,010	2,507	49,152	41,740	11,256
Motor vehicle brake system	33634	44,156	1,599	36,222	34,803	12,229
Motor vehicle transmission & power train parts	33635	112,244	6,147	54,764	91,851	35,103
Motor vehicle seating & interior trim	33636	56,473	3,569	35,069	44,660	15,359
Motor vehicle metal stamping	33637	116,062	5,988	51,594	97,592	24,069
Other motor vehicle parts	33639	206,972	7,711	37,255	165,731	49,222

¹ North American Industrial Classification System, 1997; see Text, Section 15, Business Enterprise. ² Includes employment and payroll at administrative offices and auxiliary units. All employees represents the average of production workers plus all other employees for the payroll period ended nearest the 12th of March. Production workers represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November. ³ Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Statistics for Industry Groups and Industries*, Series M00(AS)-1. See also <<http://www.census.gov/prod/2001pubs/m00-as1.pdf>> (issued February 2002).

No. 993. Motor Vehicle Manufactures—Employees, Payroll, and Shipments by Major State: 2000

[14,559 represents \$14,559,000,000. Industry based on the North American Industrial Classification System (NAICS); see text, Section 15, Business Enterprise]

Major state based on employment	Motor vehicle manufacturing (NAICS 3361)			Motor vehicle body and trailer manufacturing (NAICS 3362)			Motor vehicle parts manufacturing (NAICS 3363)		
	Employees, total	Payroll (mil. dol.)	Shipments (mil. dol.)	Employees, total	Payroll (mil. dol.)	Shipments (mil. dol.)	Employees, total	Payroll (mil. dol.)	Shipments (mil. dol.)
United States	230,525	14,559	239,396	136,621	4,194	27,516	803,048	35,280	204,765
Alabama	(D)	(D)	(D)	3,779	107	798	12,549	618	3,444
(NA)	(NA)	(NA)	1,383	32	258	7,613	184	972	
Arkansas	7,242	373	3,047	9,745	279	1,323	27,426	786	3,987
California	(NA)	(NA)	(NA)	4,403	148	765	4,444	123	618
Florida	8,307	494	9,795	3,926	108	698	9,864	296	2,232
Georgia	8,901	588	10,255	4,651	140	878	29,687	1,046	5,762
Illinois	9,476	527	10,466	27,805	988	6,260	103,672	4,890	25,055
Indiana	(NA)	(NA)	(NA)	8,694	259	1,539	9,597	326	1,868
Iowa	19,276	1,351	24,525	(NA)	(NA)	(NA)	27,188	900	7,459
Kentucky	49,710	3,473	59,173	3,486	105	613	200,047	10,849	58,348
Michigan	(NA)	(NA)	(NA)	1,117	29	159	11,291	318	1,828
Mississippi	(D)	(D)	(D)	2,442	67	276	18,616	548	4,340
Missouri	(NA)	(NA)	(NA)	1,476	37	246	4,410	140	706
Nebraska	(NA)	(NA)	(NA)	1,041	31	239	32,521	1,895	9,810
New York	(D)	(D)	(D)	4,019	162	877	20,314	679	5,314
North Carolina	32,956	2,024	35,267	5,111	159	793	17,861	854	7,454
Ohio	(D)	(D)	(D)	5,230	117	691	6,351	182	1,099
Oklahoma	2,987	108	1,621	3,827	116	655	2,837	112	594
Oregon	(D)	(D)	(D)	8,025	213	1,345	15,778	626	3,509
Pennsylvania	5,697	303	3,853	878	17	49	16,009	541	4,386
South Carolina	14,818	972	9,278	2,010	61	423	34,737	1,128	8,606
Tennessee	(D)	(D)	(D)	6,134	176	949	16,857	473	3,616
Texas	(NA)	(NA)	(NA)	1,484	38	225	7,098	241	2,022
Utah	(D)	(D)	(D)	(D)	(D)	(D)	10,455	347	2,283
Virginia	(D)	(D)	(D)	6,112	202	1,113	23,665	1,035	6,505
Wisconsin	(D)	(D)	(D)						

D Withheld to avoid disclosing data on individual companies. NA Not available.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Geographic Area Statistics* Series M00(AS)-3. See also <<http://www.census.gov/prod/2002pubs/m00as-3.pdf>> (issued March 2002).

No. 994. Aerospace—Sales, New Orders, and Backlog: 1990 to 2000

[In billions of dollars (136.6 represents \$136,600,000,000), except as indicated. Reported by establishments in which the principal business is the development and/or production of aerospace products]

Item	1990	1995	1996	1997	1998	1999	2000
Net sales	136.6	102.8	103.1	114.9	119.2	124.2	110.7
Percent U.S. Government	53.8	49.5	49.8	40.3	39.9	45.1	40.8
Complete aircraft and parts ¹	49.9	42.5	41.8	54.5	63.6	68.0	58.0
Aircraft engines and parts	16.4	12.5	15.7	12.1	12.8	14.4	12.5
Missiles and space vehicles, parts	22.0	18.4	18.5	21.0	16.1	15.7	16.7
Other products, services	48.3	29.4	27.1	27.0	26.7	26.1	23.5
Net, new orders	146.0	109.1	126.3	119.0	109.9	115.2	138.9
Backlog, Dec. 31	250.1	202.6	229.9	219.0	200.2	188.4	215.7

¹ Except engines sold separately.

Source: U.S. Census Bureau, 1990-1997, *Current Industrial Reports*, Series M37G; thereafter M336G. See also <<http://www.census.gov/ftp/pub/industry/1/m37g0013.pdf>> (released October 2001).

No. 995. Net Orders for U.S. Civil Jet Transport Aircraft: 1990 to 2001

[1990 data are net new firm orders; beginning 1995, net announced orders. Minus sign (-) indicates net cancellations. In 1997 Boeing acquired McDonnell Douglas]

Type of aircraft and customer	1990	1995	1996	1997	1998	1999	2000	2001
Total number ¹	670	421	595	501	601	346	585	271
U.S. customers	259	138	408	258	392	192	412	49
Foreign customers	411	283	187	243	209	70	193	130
Boeing 737, total	189	189	349	280	350	258	378	184
U.S. customers	38	85	284	120	207	155	302	51
Foreign customers	151	104	65	160	143	45	86	73
Boeing 747, total	153	35	66	37	-4	22	24	16
U.S. customers	24	2	22	15	1	1	1	7
Foreign customers	129	33	44	22	-5	19	18	13
Boeing 757, total	66	-7	44	45	47	18	43	23
U.S. customers	33	-6	35	25	34	7	38	15
Foreign customers	33	-1	9	20	13	2	14	6
Boeing 767, total	60	26	10	96	40	32	6	32
U.S. customers	23	4	11	85	31	21	-2	-1
Foreign customers	37	22	-1	11	9	1	14	9
Boeing 777, total	34	83	88	46	65	21	113	30
U.S. customers	34	-	37	24	42	8	60	-
Foreign customers	-	83	51	22	23	8	53	20
McDonnell Douglas MD-11, total	52	-6	9	11	12	-	-	-
U.S. customers	16	3	1	-	3	-	-	-
Foreign customers	36	-9	8	11	9	-	-	-
McDonnell Douglas MD-80/90, total	116	51	29	-14	26	-20	-	-
U.S. customers	91	-	18	-11	24	-	-	-
Foreign customers	25	51	11	-3	2	-20	-	-
McDonnell Douglas MD-95, total	-	50	-	-	65	15	21	-14
U.S. customers	-	50	-	-	50	-	13	-23
Foreign customers	-	-	-	-	15	15	8	9

- Represents zero. ¹ Includes types of aircraft not shown separately. Beginning 1999, includes unidentified customers.

Source: Aerospace Industries Association of America, Washington, DC, Research Center, Statistical Series 23, Internet site at <<http://www.aia-aerospace.org/stats/aerostats/aerostats.cfm>> (15 May 2002).

No. 996. U.S. Aircraft Shipments: 1980 to 2002

[Value in millions of dollars (18,929 represents \$18,929,000,000)]

Year	Total		Civil						Military	
	Units	Value	Large transports		General aviation ¹		Helicopters		Units	Value
			Units	Value	Units	Value	Units	Value		
1980	14,677	18,929	387	9,895	11,877	2,486	1,366	656	1,047	5,892
1985	3,610	27,269	278	8,448	2,029	1,431	384	506	919	16,884
1990	3,321	38,585	521	22,215	1,144	2,007	603	254	1,053	14,109
1991	3,092	44,657	589	26,856	1,021	1,968	571	211	911	15,622
1992	2,585	47,397	567	28,750	941	1,840	324	142	753	16,665
1993	2,585	41,166	408	24,133	964	2,144	258	113	955	14,776
1994	2,309	36,568	309	18,124	928	2,357	308	185	764	15,902
1995	2,436	33,658	256	15,263	1,077	2,842	292	194	811	15,359
1996	2,235	36,247	269	17,564	1,130	3,127	278	193	558	15,363
1997	2,777	42,614	374	25,810	1,569	4,674	346	231	488	11,899
1998	3,560	55,286	559	36,880	2,220	5,874	363	252	418	12,280
1999	3,849	58,128	620	38,475	2,525	7,935	345	200	359	11,518
2000	4,027	51,664	485	31,171	2,816	8,558	493	270	233	11,665
2001	3,809	56,470	526	35,056	2,618	8,517	415	247	250	12,650
2002, prel.	2,956	47,532	388	27,500	1,940	7,110	373	222	255	12,700

¹ Excludes off-the-shelf military aircraft.

Source: U.S. Department of Commerce, International Trade Administration, Internet site <<http://www.ita.doc.gov/td/aerospace/inform/information.htm>>

No. 997. Aerospace Industry Sales by Product Group and Customer: 1990 to 2002

[In billions of dollars (134.4 represents \$134,400,000,000). Due to reporting practices and tabulating methods, figures may differ from those in Table 994]

Product group and customer	Current dollars					Constant (1987) dollars ³				
	1990	1995	2000	2001 ¹	2002 ²	1990	1995	2000	2001 ¹	2002 ²
Total sales	134.4	107.8	146.2	151.0	144.4	123.7	86.6	109.8	110.5	104.6
PRODUCT GROUP										
Aircraft, total	71.4	55.0	82.1	84.1	76.1	65.7	44.2	61.7	61.6	55.1
Civil ⁴	31.3	24.0	48.4	50.4	39.2	28.8	19.2	36.4	36.9	28.4
Military	40.1	31.1	33.7	33.7	36.9	36.9	25.0	25.3	24.7	26.7
Missiles	14.2	7.4	9.5	10.8	12.9	13.1	5.9	7.1	7.9	9.4
Space	26.4	27.4	30.3	31.0	31.3	24.4	22.0	22.8	22.6	22.7
Related products and services ⁵	22.4	18.0	24.4	25.2	24.1	20.6	14.4	18.3	18.4	17.4
CUSTOMER GROUP										
Aerospace, total	112.0	89.8	121.8	125.9	120.3	103.1	72.1	91.5	92.1	87.1
DOD ⁶	60.5	42.4	47.0	48.7	53.8	55.7	34.1	35.3	35.6	38.9
NASA ⁷ and other agencies	11.1	11.4	13.3	14.3	13.9	10.0	9.2	10.0	10.4	10.1
Other customers ⁸	40.4	36.0	61.5	62.9	52.6	36.5	28.9	46.2	46.0	38.1
Related products and services ⁵	22.4	18.0	24.4	25.2	24.1	20.6	14.4	18.3	18.4	17.4

¹ Preliminary. ² Estimate. ³ Based on AIA's aerospace composite price deflator. ⁴ All civil sales of aircraft (domestic and export sales of jet transports, commuters, business, and personal aircraft and helicopters). ⁵ Electronics, software, and ground support equipment, plus sales of non-aerospace products which are produced by aerospace-manufacturing use technology, processes, and materials derived from aerospace products. ⁶ Department of Defense. ⁷ National Aeronautics and Space Administration. ⁸ Includes civil aircraft sales (see footnote 4), commercial space sales, all exports of military aircraft and missiles and related propulsion and parts.

Source: Aerospace Industries Association of America, Inc., Washington, DC, 2001 *Year-end Review and Forecast*, Internet site <<http://www.aia-aerospace.org>>.

No. 998. Major Household Appliances—Value of Shipments: 1990 to 2001

[In millions of dollars (1,659.8 represents \$1,659,800,000)]

Product	NAICS Product code	Value of Shipments						
		1990	1995	1997	1998	1999	2000	2001
Total	33522	11,670.0	13,966.2	15,225.0	15,551.4	16,622.3	17,041.0	17,381.3
Electric household ranges, ovens, and surface cooking units, equipment and parts	3352211110	1,659.8	1,791.8	2,099.9	2,242.9	2,197.1	2,170.3	1,926.9
Gas household ranges, ovens, and surfacecooking units, equipment and parts	3352213000	739.4	654.1	606.8	696.7	786.3	779.1	902.0
Other household ranges, cooking equipment outdoor cooking equipment incl. parts and accessories	3352215000	581.1	911.6	1,082.0	1,029.0	1,218.6	1,251.1	1,096.6
Household refrigerators ^{1 2}	3352221000	3,208.1	4,739.4	5,272.4	5,035.6	4,968.8	5,395.8	5,227.1
Food freezers, complete units, for freezing and/or storing frozen food (household type) ²	3352222000	226.6	(D)	(D)	(D)	(D)	(D)	(D)
Parts and attachments for household refrigerators and freezers	3352223000	134.0	111.8	155.8	89.7	92.4	99.4	114.0
Household laundry machines and parts.	3352240000	2,924.5	3,095.4	3,191.5	3,327.3	4,029.7	4,046.6	4,149.7
Water heaters, electric	3352281000	433.8	513.0	552.3	541.3	580.0	572.7	555.7
Water heaters, except electric	3352283000	577.2	681.8	748.7	810.7	842.8	843.6	798.4
Household appliances, n.e.c. and parts.	3352285000	1,185.5	1,579.2	1,671.4	1,867.9	1,998.8	2,066.1	2,051.0

D Withheld to avoid disclosing data for individual companies. ¹ Includes combination refrigerator-freezers. ² Product code 33522210000 and 3352222000 are combined to avoid disclosing data for individual companies.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports, Series MA36F*; thereafter Series MA335F. See also <<http://www.census.gov/ftp/pub/industry/1/ma335f01.pdf>> (issued August 2002).