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## Section 31

# Industrial Outlook

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This section presents industry statistics for selected manufacturing industries. The industry groupings correspond to those used in the *1994 U.S. Industrial Outlook*. The tables contain new and revised data from the *1998 Annual Survey of Manufactures* along with revised industry data for 1987 through 1997 from the 1997 Economic Census for manufactures.

To provide a more accurate picture of industry trends, the value of shipments shown in these tables are expressed both in "current dollars" and in inflation-adjusted or "constant dollars." Current dollars show the value of the goods in the year they are produced. Constant dollars (or "real" dollars) show the value of shipments as they would be valued if produced in the base year. This permits shipment levels from different years to be compared. The constant dollar shipments (base year 1996) were derived by deflating the product class shipments from the Census Bureau using the Bureau of Labor Statistics' producer price indexes.

The tables contain both "industry" and "product" shipments. The Census Bureau collects shipments data from individual factories (or establishments) rather than at the company level. Most factories make a variety of products, but for statistical purposes, each factory is classified in the industry associated with its major product. For instance, the total output of a plant may consist of 80 percent tires and 20 percent hose and belting. In this case, the total output of the plant would be credited to the tire industry, and the shipments of all plants so classified would make up the "industry shipments" of the tire industry. The value of all tires shipped by all establishments is aggregated to derive "product shipments."

Trade data were tabulated following the Census Bureau's 1999 trade concordance (with a few exceptions) to approximate the Standard Industrial Classification (SIC) industry groupings. Exports are limited to domestic exports and are valued "free alongside ship" or f.a.s. Imports are restricted to goods imported for consumption and are on a customs value basis. Trade data should only be compared with product shipments data.

The *U.S. Industry and Trade Outlook 2000* is the result of an innovative public-private partnership between the International Trade Administration of the Department of Commerce and the McGraw-Hill companies. Authorship is shared by the Commerce Department, other government agencies, and McGraw-Hill. As in years past, the *Outlook* is anchored by historical statistical data provided by the Census Bureau.

The *Outlook* is a basic resource for industry analysis and business development. The 2000 edition contains 54 chapters covering important manufacturing and service sectors, along with industry snapshots, and hundreds of industry reviews, analyses, and forecasts. This publication continues the legacy of the *U.S. Industrial Outlook*, the most widely read and respected single source industry-by-industry overview of the U.S. economy. Like its predecessor, the *U.S. Industry and Trade Outlook* is a single source reference for business planners, investors, researchers, and students who need to know where major sectors of the U.S. economy have been and where they are going in an increasingly global marketplace. For sales information contact the National Technical Information Service, 1-800-553-NTIS(6847).

## No. 1413. Recent Trends in Manufacturing Shipments in Current and Constant (1992) Dollars by Industry: 1990 to 1997

[In millions of dollars]

Item	1987 SIC code	1990	1992	1993	1994	1995	1996	1997
		<b>CURRENT DOLLARS</b>						
<b>Manufacturing, total. . . . .</b>	<b>(X)</b>	<b>2,912,228</b>	<b>3,004,723</b>	<b>3,127,621</b>	<b>3,348,019</b>	<b>3,594,210</b>	<b>3,715,428</b>	<b>3,958,050</b>
Food & kindred products . . . . .	20	391,728	406,963	422,220	430,963	446,869	461,324	480,840
Tobacco products . . . . .	21	29,856	35,198	28,383	30,021	32,984	34,482	36,204
Textile mill products . . . . .	22	65,532	70,753	73,955	78,027	79,874	80,242	82,404
Apparel & other textile products . . . . .	23	66,637	71,658	74,010	76,979	78,103	77,628	81,194
Lumber & wood products . . . . .	24	74,229	81,565	94,272	103,501	104,944	106,518	111,931
Furniture & fixtures . . . . .	25	41,523	43,826	46,817	50,077	53,474	55,697	61,528
Paper & allied products . . . . .	26	132,424	133,201	133,262	143,649	173,716	160,661	(D)
Printing & publishing . . . . .	27	159,749	166,153	172,634	176,876	188,133	195,435	210,921
Chemicals & allied products . . . . .	28	292,803	305,420	314,907	333,905	361,161	367,442	400,085
Petroleum & coal products . . . . .	29	173,389	150,227	144,833	143,329	151,439	174,285	175,779
Rubber & miscellaneous plastics products . . . . .	30	105,250	113,593	122,777	135,145	145,740	150,468	160,739
Leather & leather products . . . . .	31	9,548	9,694	10,007	9,551	9,165	9,309	(D)
Stone, clay, & glass products . . . . .	32	63,727	62,521	65,610	71,230	75,931	82,441	87,244
Primary metal industries . . . . .	33	148,787	138,287	142,685	161,189	180,315	178,298	188,775
Fabricated metal products . . . . .	34	165,065	166,532	175,118	190,545	204,384	214,006	231,704
Industrial machinery & equipment . . . . .	35	259,366	258,661	278,063	313,047	353,338	381,794	407,393
Electronic & other electric equipment . . . . .	36	195,898	216,764	233,621	266,405	301,448	320,615	348,560
Transportation equipment . . . . .	37	370,329	399,269	414,694	450,809	461,804	465,172	515,882
Instruments & related products . . . . .	38	127,977	134,941	137,387	138,399	144,719	151,016	(D)
Miscellaneous mfg. industries . . . . .	39	38,411	39,499	42,366	44,373	46,670	48,597	50,998
<b>CONSTANT (1992) DOLLARS</b>								
<b>Manufacturing, total. . . . .</b>	<b>(X)</b>	<b>2,950,832</b>	<b>3,004,723</b>	<b>3,095,260</b>	<b>3,279,912</b>	<b>3,438,203</b>	<b>3,574,878</b>	<b>3,651,338</b>
Food & kindred products . . . . .	20	390,883	406,963	415,099	419,135	430,949	422,920	437,038
Tobacco products . . . . .	21	37,343	35,198	29,779	36,425	38,982	39,764	39,259
Textile mill products . . . . .	22	66,590	70,753	74,285	78,213	77,715	77,227	78,949
Apparel & other textile products . . . . .	23	69,351	71,658	73,339	76,063	76,601	74,976	77,728
Lumber & wood products . . . . .	24	82,073	81,565	81,696	86,175	87,769	90,035	91,480
Furniture & fixtures . . . . .	25	42,921	43,826	45,888	47,401	49,255	50,171	54,549
Paper & allied products . . . . .	26	129,035	133,201	135,059	141,192	141,915	140,102	(D)
Printing & publishing . . . . .	27	171,458	166,153	167,352	167,099	168,181	168,517	177,890
Chemicals & allied products . . . . .	28	305,250	305,420	307,625	317,588	323,024	325,552	349,155
Petroleum & coal products . . . . .	29	152,286	150,227	150,076	153,578	156,935	159,866	164,478
Rubber & miscellaneous plastics products . . . . .	30	105,958	113,593	121,492	136,175	139,609	144,404	153,996
Leather & leather products . . . . .	31	9,793	9,694	9,810	9,175	8,498	8,642	(D)
Stone, clay, & glass products . . . . .	32	65,056	62,521	64,166	67,175	68,729	73,492	75,819
Primary metal industries . . . . .	33	140,488	138,287	144,621	153,519	155,619	160,796	168,297
Fabricated metal products . . . . .	34	168,361	166,532	174,037	186,308	192,617	199,245	212,459
Industrial machinery & equipment . . . . .	35	251,225	258,661	285,888	330,408	397,730	483,067	443,649
Electronic & other electric equipment . . . . .	36	197,354	216,764	232,458	265,005	304,479	331,308	315,084
Transportation equipment . . . . .	37	393,866	399,269	404,939	429,829	434,385	433,081	479,909
Instruments & related products . . . . .	38	131,320	134,941	136,015	136,500	141,013	146,377	(D)
Miscellaneous mfg. industries . . . . .	39	40,223	39,499	41,635	42,949	44,196	45,336	47,028

D Data withheld to avoid disclosing figures or individual companies. X Not applicable.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1414. Recent Trends in Food and Kindred Products (SIC 20): 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	406,963	422,220	430,963	446,869	461,324	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	406,963	415,099	419,135	430,949	422,920	(NA)	(NA)
Total employment	1,000 . . . . .	1,503.0	1,520.3	1,510.9	1,519.9	1,516.8	(NA)	(NA)
Production workers	1,000 . . . . .	1,100.2	1,118.0	1,111.5	1,120.1	1,112.5	(NA)	(NA)
Average hourly earnings	Dollar . . . . .	10.41	10.58	10.74	10.96	11.17	(NA)	(NA)
Capital expenditures	Mil. dol. . . . .	9,898	9,389	10,093	11,812	11,717	(NA)	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	382,889	397,633	405,490	421,507	435,009	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	382,889	391,076	394,419	406,235	398,663	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	15,968	15,782	17,103	18,111	20,637	22,420	23,566
Value of exports	Mil. dol. . . . .	19,135	19,955	22,419	25,144	26,011	27,625	26,456

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the food and kindred products industry.  
<sup>2</sup> Value of products classified in the food and kindred products industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1415. Recent Trends in Higher Value Added Foods and Beverages and Lower Value Foods and Feeds: 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>HIGHER VALUE ADDED FOODS AND BEVERAGES <sup>1</sup></b>								
<b>Industry data:</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	202,519	209,326	216,694	224,783	230,574	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	202,519	206,551	209,867	212,855	213,459	(NA)	(NA)
Total employment	1,000 . . . . .	829.7	836.4	826.2	828.7	826.4	(NA)	(NA)
Production workers	1,000 . . . . .	573.5	578.1	571.5	574.5	569.8	(NA)	(NA)
Average hourly earnings	Dollar . . . . .	11.57	11.83	12.08	12.08	12.41	(NA)	(NA)
Capital expenditures	Mil. dol. . . . .	6,405	5,935	6,247	7,235	7,032	(NA)	(NA)
<b>Product data:</b>								
Value of shipments <sup>3</sup>	Mil. dol. . . . .	191,278	197,567	204,380	213,482	218,210	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	191,278	195,148	198,202	202,462	202,188	(NA)	(NA)
<b>Trade data:</b>								
Value of imports	Mil. dol. . . . .	9,438	9,184	10,168	11,149	12,751	14,182	15,184
Value of exports	Mil. dol. . . . .	6,257	7,068	8,056	8,411	9,002	9,816	9,774
<b>LOWER VALUE ADDED FOODS AND FEEDS <sup>4</sup></b>								
<b>Industry data:</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	204,444	212,894	214,269	222,086	230,750	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	204,444	208,548	209,267	218,095	209,461	(NA)	(NA)
Total employment	1,000 . . . . .	673.3	683.9	684.7	691.2	690.4	(NA)	(NA)
Production workers	1,000 . . . . .	526.7	539.9	540.0	545.6	542.7	(NA)	(NA)
Average hourly earnings	Dollar . . . . .	9.21	9.29	9.39	9.81	9.89	(NA)	(NA)
Capital expenditures	Mil. dol. . . . .	3,494	3,454	3,846	4,577	4,686	(NA)	(NA)
<b>Product data:</b>								
Value of shipments <sup>3</sup>	Mil. dol. . . . .	191,611	200,065	201,110	208,025	216,799	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	191,611	195,928	196,217	203,773	196,475	(NA)	(NA)
<b>Trade data:</b>								
Value of imports	Mil. dol. . . . .	6,530	6,598	6,936	6,961	7,887	8,237	8,382
Value of exports	Mil. dol. . . . .	12,878	12,886	14,363	16,733	17,010	17,808	16,682

NA Not available. <sup>1</sup> SICs 2023, 24, 32-38, 43, 45, 47, 51-53, 64-68, 82, 84-86, 95, 96, 98, and 99. This aggregation includes those industries defined as higher value added. <sup>2</sup> Value of all products and services sold by establishments in this industry.  
<sup>3</sup> Value of products classified in this industry produced by all industries. <sup>4</sup> SIC 20 excluding 2023, 24, 32-38, 43, 45, 47, 51-53, 64-68, 82, 84-86, 95, 96, 98, and 99. This aggregation includes those industries defined as lower value added.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1416. Recent Trends in Red Meat and Poultry Slaughtering and Processing: 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>RED MEAT (SIC 2011, 2013)</b>								
Industry data:								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	70,107	73,941	70,701	72,025	71,943	77,675	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	70,107	71,389	71,609	74,312	71,003	74,817	(NA)
Total employment	1,000 . . . . .	206.6	208.6	204.3	214.4	218.1	226.7	(NA)
Production workers	1,000 . . . . .	170.6	172.7	169.2	178.0	180.2	188.5	(NA)
Average hourly earnings	Dollar . . . . .	8.99	9.06	9.43	9.81	9.64	9.99	(NA)
Capital expenditures	Mil. dol. . . . .	719	703	699	862	1,135	1,042	(NA)
Product data:								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	64,351	68,216	64,839	65,878	65,839	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	64,351	65,856	65,679	67,977	64,988	(NA)	(NA)
Trade data:								
Value of imports	Mil. dol. . . . .	2,899	3,041	2,946	2,649	2,605	2,968	3,139
Value of exports	Mil. dol. . . . .	4,704	4,606	5,187	6,230	6,145	6,126	5,563
<b>POULTRY SLAUGHTERING AND PROCESSING (SIC 2015)</b>								
Industry data:								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	23,965	25,501	27,415	28,929	30,160	33,344	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	23,965	24,783	25,937	27,525	27,122	30,562	(NA)
Total employment	1,000 . . . . .	193.8	205.3	216.0	214.3	215.3	235.6	(NA)
Production workers	1,000 . . . . .	172.8	184.3	193.2	191.5	190.0	209.4	(NA)
Average hourly earnings	Dollar . . . . .	7.39	7.40	7.49	8.09	8.27	8.43	(NA)
Capital expenditures	Mil. dol. . . . .	469	555	594	726	697	663	(NA)
Product data:								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	23,592	24,983	27,027	28,708	29,981	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	23,592	24,279	25,570	27,315	26,961	(NA)	(NA)
Trade data:								
Value of imports	Mil. dol. . . . .	26	30	25	31	45	46	54
Value of exports	Mil. dol. . . . .	990	1,157	1,633	2,097	2,585	2,537	2,261

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in this industry. <sup>2</sup> Value of products classified in this industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1417. Recent Trends in Textile Mill Products (SIC 22): 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	70,753	73,955	78,027	79,874	80,242	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	70,753	74,285	78,213	77,715	77,227	(NA)	(NA)
Total employment	1,000 . . . . .	616.5	610.1	624.2	609.6	576.5	(NA)	(NA)
Production workers	1,000 . . . . .	528.4	523.6	533.7	519.5	489.1	(NA)	(NA)
Average hourly earnings	Dollar . . . . .	8.62	8.92	9.29	9.38	9.62	(NA)	(NA)
Capital expenditures	Mil. dol. . . . .	2,225	2,450	2,961	2,886	2,666	(NA)	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	70,008	73,216	77,249	79,201	79,334	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	70,008	73,539	77,448	77,035	76,336	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	5,850	6,163	6,534	6,974	7,177	8,384	8,794
Value of exports	Mil. dol. . . . .	4,508	4,706	5,172	5,720	6,197	7,101	7,194

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the textile mill products industry. <sup>2</sup> Value of products classified in the textile mill products industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1418. Recent Trends in Apparel and Other Textile Products (SIC 23): 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	71,658	74,010	76,979	78,103	77,628	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	71,658	73,339	76,063	76,601	74,976	(NA)	(NA)
Total employment	1,000 . . . . .	985.1	979.7	954.4	946.6	864.9	(NA)	(NA)
Production workers	1,000 . . . . .	824.1	825.1	798.9	791.8	726.4	(NA)	(NA)
Average hourly earnings	Dollar . . . . .	7.12	7.34	7.44	7.56	7.67	(NA)	(NA)
Capital expenditures	Mil. dol. . . . .	945	962	1,091	1,187	964	(NA)	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	68,844	70,986	73,259	73,780	73,319	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	68,844	70,345	72,382	72,370	70,843	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	32,659	35,486	38,569	41,217	43,089	50,204	55,863
Value of exports	Mil. dol. . . . .	4,769	5,505	6,100	7,059	7,906	8,989	9,032

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the apparel and other textile products industry. <sup>2</sup> Value of products classified in the apparel and other textile products industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

**No. 1419. Recent Trends in Household Consumer Durables (SIC 251, 3524, 363, 3651): 1992 to 1998**

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	53,098	57,329	63,369	64,805	63,394	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	53,098	56,685	61,865	62,791	60,491	(NA)	(NA)
Total employment	1,000. . . . .	412.3	416.4	433.7	442.5	439.2	(NA)	(NA)
Production workers	1,000. . . . .	338.8	344.8	363.2	365.7	364.2	(NA)	(NA)
Average hourly earnings	Dollar . . . . .	9.30	9.69	9.73	9.86	10.25	(NA)	(NA)
Capital expenditures	Mil. dol. . . . .	1,280	1,178	1,301	1,568	1,598	(NA)	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	48,314	51,650	56,958	58,980	60,334	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	48,314	51,046	55,542	57,039	57,622	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	22,941	24,405	28,111	30,386	30,004	31,710	35,593
Value of exports	Mil. dol. . . . .	6,524	7,064	7,766	8,092	8,467	9,507	9,938

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the household consumer durables industry. <sup>2</sup> Value of products classified in the household consumer durables industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

**No. 1420. Recent Trends in Paper and Allied Products (SIC 26): 1992 to 1998**

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	133,201	133,262	143,649	173,716	160,661	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	133,201	135,059	141,192	141,915	140,102	(NA)	(NA)
Total employment	1,000. . . . .	626.5	626.3	622.3	629.1	630.6	(NA)	(NA)
Production workers	1,000. . . . .	478.8	479.1	479.7	487.3	487.5	(NA)	(NA)
Average hourly earnings	Dollar . . . . .	13.81	14.09	14.52	14.73	15.02	(NA)	(NA)
Capital expenditures	Mil. dol. . . . .	7,963	7,370	7,731	8,369	9,302	(NA)	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	128,941	128,695	138,560	168,137	155,319	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	128,941	130,523	136,231	137,048	135,455	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	10,362	10,793	11,677	16,625	14,609	14,668	15,621
Value of exports	Mil. dol. . . . .	9,919	9,363	10,891	14,838	13,895	14,417	13,632

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the paper and allied products industry. <sup>2</sup> Value of products classified in the paper and allied products produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

**No. 1421. Recent Trends in Pulp Mills and Paper and Paperboard Mills: 1992 to 1998**

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>PULP MILLS (SIC 2611)</b>								
Industry data:								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	5,466	4,282	4,827	7,513	5,508	4,117	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	5,466	4,758	4,992	4,920	4,931	3,815	(NA)
Total employment	1,000. . . . .	15.9	14.2	13.3	14.6	15.0	10.3	(NA)
Production workers	1,000. . . . .	12.1	10.8	10.2	11.3	11.1	7.9	(NA)
Average hourly earnings	Dollar . . . . .	19.15	19.49	20.08	20.40	20.16	22.97	(NA)
Capital expenditures	Mil. dol. . . . .	772	426	315	564	698	426	(NA)
Product data:								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	6,104	4,995	5,952	8,911	6,329	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	6,104	5,550	6,156	5,836	5,666	(NA)	(NA)
Trade data:								
Value of imports	Mil. dol. . . . .	2,104	1,868	2,285	3,745	2,601	2,572	2,392
Value of exports	Mil. dol. . . . .	3,236	2,482	2,954	4,698	3,358	3,253	2,774
<b>PAPER AND PAPERBOARD MILLS (SIC 262, 263)</b>								
Industry data:								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	48,926	48,267	53,381	69,638	59,837	55,228	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	48,926	48,625	52,187	53,571	51,107	49,625	(NA)
Total employment	1,000. . . . .	182.1	179.5	177.0	174.5	171.2	161.7	(NA)
Production workers	1,000. . . . .	139.8	137.7	135.9	134.5	132.0	124.6	(NA)
Average hourly earnings	Dollar . . . . .	17.97	18.22	19.17	19.76	20.34	21.11	(NA)
Capital expenditures	Mil. dol. . . . .	4,952	4,507	4,960	4,859	5,502	4,378	(NA)
Product data:								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	47,232	46,513	51,110	67,052	57,971	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	47,232	46,866	49,945	51,571	49,514	(NA)	(NA)
Trade data:								
Value of imports	Mil. dol. . . . .	6,708	7,190	7,338	10,198	9,118	9,007	9,828
Value of exports	Mil. dol. . . . .	4,263	4,190	4,813	6,437	6,339	6,545	6,240

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in this industry. <sup>2</sup> Value of products classified in this industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1422. Recent Trends in Printing and Publishing (SIC 27): 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	166,153	172,634	176,876	188,133	195,435	210,311	(NA)
2711 Newspapers	Mil. dol. . . . .	33,782	34,651	36,091	37,732	39,171	41,601	(NA)
2721 Periodicals	Mil. dol. . . . .	22,104	22,653	21,892	23,743	24,930	29,885	(NA)
2731 Book publishing	Mil. dol. . . . .	16,698	18,616	19,695	20,484	21,363	22,648	(NA)
2732 Book printing	Mil. dol. . . . .	4,681	4,810	4,745	5,392	5,333	5,418	(NA)
2741 Misc publishing	Mil. dol. . . . .	10,908	11,807	11,976	12,025	12,511	16,359	(NA)
275 Commercial printing	Mil. dol. . . . .	56,229	58,173	60,411	65,101	67,842	69,824	(NA)
2761 Manifold business forms	Mil. dol. . . . .	7,429	7,491	6,958	7,894	7,724	7,739	(NA)
2771 Greeting cards	Mil. dol. . . . .	4,190	4,275	4,546	4,689	5,011	5,414	(NA)
2782 Blankbooks and binders	Mil. dol. . . . .	3,758	3,771	4,276	4,544	4,820	4,457	(NA)
2789 Bookbinding	Mil. dol. . . . .	1,291	1,258	1,367	1,509	1,608	1,958	(NA)
279 Printing trade services	Mil. dol. . . . .	5,085	5,129	4,920	5,020	5,123	5,009	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	166,153	167,352	167,099	168,181	168,517	177,794	(NA)
2711 Newspapers	Mil. dol. . . . .	33,782	33,222	33,294	32,782	31,718	32,475	(NA)
2721 Periodicals	Mil. dol. . . . .	22,104	22,014	20,849	21,903	22,379	25,696	(NA)
2731 Book publishing	Mil. dol. . . . .	16,698	18,180	18,493	18,257	18,166	18,702	(NA)
2732 Book printing	Mil. dol. . . . .	4,681	4,777	4,647	5,044	5,008	5,175	(NA)
2741 Misc publishing	Mil. dol. . . . .	10,908	11,320	11,048	10,604	10,504	13,246	(NA)
275 Commercial printing	Mil. dol. . . . .	56,229	56,764	58,252	59,454	60,555	62,189	(NA)
2761 Manifold business forms	Mil. dol. . . . .	7,429	7,027	6,240	5,762	5,494	5,567	(NA)
2771 Greeting cards	Mil. dol. . . . .	4,190	4,040	4,016	3,960	4,064	4,325	(NA)
2782 Blankbooks and binders	Mil. dol. . . . .	3,758	3,668	4,049	4,058	4,152	3,790	(NA)
2789 Bookbinding	Mil. dol. . . . .	1,291	1,249	1,343	1,431	1,501	1,787	(NA)
279 Printing trade services	Mil. dol. . . . .	5,085	5,090	4,868	4,928	4,977	4,841	(NA)

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the printing and publishing industry.  
Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1423. Recent Trends in Periodicals, Book Publishing, and Commercial Printing: 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>PERIODICALS (SIC 2721)</b>								
Industry data:								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	22,104	22,653	21,892	23,743	24,930	29,885	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	22,104	22,014	20,849	21,903	22,379	25,696	(NA)
Total employment	1,000 . . . . .	115.1	117.1	117.2	122.0	120.5	137.6	(NA)
Production workers	1,000 . . . . .	20.2	19.7	18.2	17.8	16.4	25.5	(NA)
Average hourly earnings	Dollar . . . . .	13.40	12.51	12.78	13.58	14.85	16.34	(NA)
Capital expenditures	Mil. dol. . . . .	235	290	308	332	311	472	(NA)
Product data:								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	20,942	21,692	21,642	22,951	24,352	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	20,942	21,080	20,611	21,173	21,860	(NA)	(NA)
Trade data:								
Value of imports	Mil. dol. . . . .	134	194	209	222	217	204	217
Value of exports	Mil. dol. . . . .	731	737	788	825	819	864	864
<b>BOOK PUBLISHING (SIC 2731)</b>								
Industry data:								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	16,698	18,616	19,695	20,484	21,363	22,648	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	16,698	18,180	18,493	18,257	18,166	18,702	(NA)
Total employment	1,000 . . . . .	79.0	83.2	83.5	83.5	85.4	89.9	(NA)
Production workers	1,000 . . . . .	18.2	18.2	18.2	18.5	18.5	22.7	(NA)
Average hourly earnings	Dollar . . . . .	12.51	12.90	13.56	13.61	13.27	16.36	(NA)
Capital expenditures	Mil. dol. . . . .	327	282	283	345	365	462	(NA)
Product data:								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	14,761	16,596	17,229	18,409	19,114	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	14,761	16,207	16,177	16,407	16,254	(NA)	(NA)
Trade data:								
Value of imports	Mil. dol. . . . .	953	966	1,023	1,184	1,240	1,298	1,384
Value of exports	Mil. dol. . . . .	1,637	1,664	1,703	1,779	1,776	1,897	1,842
<b>COMMERCIAL PRINTING (SIC 275)</b>								
Industry data:								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	56,229	58,173	60,411	65,101	67,842	69,824	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	56,229	56,764	58,252	59,454	60,555	62,189	(NA)
Total employment	1,000 . . . . .	567.2	571.8	577.4	597.7	604.3	595.6	(NA)
Production workers	1,000 . . . . .	408.4	414.5	416.8	433.3	437.3	429.9	(NA)
Average hourly earnings	Dollar . . . . .	11.50	11.69	11.75	11.86	12.31	14.29	(NA)
Capital expenditures	Mil. dol. . . . .	2,144	2,238	2,708	2,680	2,959	3,971	(NA)
Product data:								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	54,902	56,960	58,902	63,819	66,624	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	54,902	55,577	56,791	58,277	59,466	(NA)	(NA)
Trade data:								
Value of imports	Mil. dol. . . . .	442	505	584	756	748	825	909
Value of exports	Mil. dol. . . . .	1,056	1,201	1,061	1,197	1,195	1,248	1,393

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in this industry. <sup>2</sup> Value of products classified in this industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

**No. 1424. Recent Trends in Chemicals and Allied Products (SIC 28): 1992 to 1998**

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	305,420	314,907	333,905	361,161	367,442	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	305,420	307,625	317,588	323,024	325,552	(NA)	(NA)
Total employment	1,000 . . . . .	848.6	838.4	823.1	838.9	824.5	(NA)	(NA)
Production workers	1,000 . . . . .	479.3	473.6	471.7	487.0	476.8	(NA)	(NA)
Average hourly earnings	Dollar . . . . .	15.27	15.62	16.25	16.56	17.22	(NA)	(NA)
Capital expenditures	Mil. dol. . . . .	16,381	15,690	15,411	17,557	20,041	(NA)	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	282,242	292,416	309,592	337,103	343,338	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	282,242	285,763	294,588	300,900	304,212	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	26,363	27,751	32,387	39,247	44,706	50,893	54,625
Value of exports	Mil. dol. . . . .	42,786	43,303	49,521	58,584	59,263	66,019	64,724

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the chemicals and allied products industry. <sup>2</sup> Value of products classified in the chemicals and allied products industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

**No. 1425. Recent Trends in Petrochemicals (SIC 2821, 2822, 2824, 2843, 2865, 2869, 2873): 1992 to 1998**

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	117,277	119,225	132,458	147,754	143,152	158,281	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	117,277	115,987	124,809	125,548	122,517	134,047	(NA)
Total employment	1,000 . . . . .	256.7	255.0	252.0	252.8	250.4	246.6	(NA)
Production workers	1,000 . . . . .	158.5	158.1	156.2	157.2	157.7	154.3	(NA)
Average hourly earnings	Dollar . . . . .	17.62	17.93	18.63	19.11	19.86	20.84	(NA)
Capital expenditures	Mil. dol. . . . .	7,837	7,554	7,319	8,526	10,627	10,566	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	113,476	115,269	126,971	142,673	139,399	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	113,476	112,268	119,759	121,105	119,659	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	12,241	13,370	16,310	20,054	21,662	24,140	23,828
Value of exports	Mil. dol. . . . .	23,455	23,313	27,986	34,561	33,397	36,342	34,240

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the petrochemicals industry. <sup>2</sup> Value of products classified in the petrochemicals industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

**No. 1426. Recent Trends in Organic Chemicals, Except Gum and Wood (SIC 2865, 2869): 1992 to 1998**

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	63,663	63,541	69,205	75,912	74,863	83,987	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	63,663	61,113	64,865	65,287	63,179	70,387	(NA)
Total employment	1,000 . . . . .	122.0	120.8	112.5	115.2	123.1	119.7	(NA)
Production workers	1,000 . . . . .	70.4	70.9	66.0	67.4	72.5	70.4	(NA)
Average hourly earnings	Dollar . . . . .	18.72	18.88	20.23	20.56	21.61	22.70	(NA)
Capital expenditures	Mil. dol. . . . .	4,749	4,028	3,509	4,891	6,242	5,707	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	58,655	59,135	65,003	72,306	70,532	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	58,655	56,974	61,125	62,389	60,085	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	8,090	8,237	9,717	12,172	13,734	15,660	15,243
Value of exports	Mil. dol. . . . .	11,399	11,714	13,813	17,416	15,998	17,596	16,081

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the organic chemicals, except gum and wood industry. <sup>2</sup> Value of products classified in the organic chemicals, except gum and wood industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1427. Recent Trends in Drugs (SIC 283): 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	67,792	70,985	75,804	80,907	86,532	93,272	(NA)
2833 Medicinals and botanicals	Mil. dol. . . . .	6,526	5,926	6,093	7,027	8,884	11,921	(NA)
2834 Pharmaceutical preps.	Mil. dol. . . . .	50,415	53,281	56,123	58,405	61,554	66,289	(NA)
2835 Diagnostic substances	Mil. dol. . . . .	6,857	6,864	8,278	9,248	9,692	9,377	(NA)
2836 Bio. prod. exc. diagnostic	Mil. dol. . . . .	3,993	4,914	5,310	6,227	6,402	5,686	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	67,792	68,179	71,142	73,820	76,824	80,282	(NA)
2833 Medicinals and botanicals	Mil. dol. . . . .	6,526	5,523	5,460	6,164	7,739	10,034	(NA)
2834 Pharmaceutical preps.	Mil. dol. . . . .	50,415	51,084	52,159	52,475	53,386	55,472	(NA)
2835 Diagnostic substances	Mil. dol. . . . .	6,857	6,750	8,245	9,058	9,465	9,293	(NA)
2836 Bio. prod. exc. diagnostic	Mil. dol. . . . .	3,993	4,822	5,279	6,122	6,234	5,483	(NA)
Total employment	1,000 . . . . .	194.4	199.5	204.8	216.4	213.2	199.0	(NA)
2833 Medicinals and botanicals	1,000 . . . . .	13.1	13.0	12.9	14.1	16.8	23.4	(NA)
2834 Pharmaceutical preps.	1,000 . . . . .	122.9	128.2	133.0	143.0	136.9	112.6	(NA)
2835 Diagnostic substances	1,000 . . . . .	39.9	39.3	39.1	38.2	39.9	39.6	(NA)
2836 Bio. prod. exc. diagnostic	1,000 . . . . .	18.5	19.0	19.8	21.1	19.6	23.3	(NA)
Production workers	1,000 . . . . .	92.7	94.6	101.5	112.5	106.4	101.1	(NA)
2833 Medicinals and botanicals	1,000 . . . . .	7.5	7.7	7.5	7.5	8.9	12.9	(NA)
2834 Pharmaceutical preps.	1,000 . . . . .	62.4	62.8	68.0	78.7	72.3	61.3	(NA)
2835 Diagnostic substances	1,000 . . . . .	14.7	14.9	16.1	15.3	15.5	14.8	(NA)
2836 Bio. prod. exc. diagnostic	1,000 . . . . .	8.1	9.2	9.9	11.0	9.7	12.1	(NA)
Average hourly earnings	Dollar . . . . .	14.78	15.80	16.34	15.99	16.63	18.02	(NA)
2833 Medicinals and botanicals	Dollar . . . . .	18.93	19.62	19.70	20.27	20.83	19.47	(NA)
2834 Pharmaceutical preps.	Dollar . . . . .	14.71	15.81	16.11	15.40	15.88	17.35	(NA)
2835 Diagnostic substances	Dollar . . . . .	14.09	15.64	17.23	18.08	19.15	21.49	(NA)
2836 Bio. prod. exc. diagnostic	Dollar . . . . .	12.50	12.57	13.81	13.74	14.06	15.72	(NA)
Capital expenditures	Mil. dol. . . . .	3,887	4,047	4,034	4,503	4,301	4,400	(NA)
2833 Medicinals and botanicals	Mil. dol. . . . .	554	482	483	384	835	771	(NA)
2834 Pharmaceutical preps.	Mil. dol. . . . .	2,450	2,493	2,618	3,134	2,588	2,466	(NA)
2835 Diagnostic substances	Mil. dol. . . . .	588	667	573	532	518	732	(NA)
2836 Bio. prod. exc. diagnostic	Mil. dol. . . . .	295	405	361	453	360	431	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	60,793	63,970	67,751	71,528	76,293	(NA)	(NA)
2833 Medicinals and botanicals	Mil. dol. . . . .	7,002	6,749	6,772	7,345	8,999	(NA)	(NA)
2834 Pharmaceutical preps.	Mil. dol. . . . .	43,082	45,522	48,086	49,965	52,932	(NA)	(NA)
2835 Diagnostic substances	Mil. dol. . . . .	6,196	6,453	7,179	7,926	8,036	(NA)	(NA)
2836 Bio. prod. exc. diagnostic	Mil. dol. . . . .	4,512	5,246	5,715	6,293	6,326	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	60,793	61,428	63,588	65,285	67,754	(NA)	(NA)
2833 Medicinals and botanicals	Mil. dol. . . . .	7,002	6,290	6,068	6,443	7,839	(NA)	(NA)
2834 Pharmaceutical preps.	Mil. dol. . . . .	43,082	43,645	44,690	44,892	45,908	(NA)	(NA)
2835 Diagnostic substances	Mil. dol. . . . .	6,196	6,345	7,150	7,763	7,848	(NA)	(NA)
2836 Bio. prod. exc. diagnostic	Mil. dol. . . . .	4,512	5,148	5,681	6,188	6,159	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	5,980	6,062	6,906	8,505	11,089	14,110	17,847
2833 Medicinals and botanicals	Mil. dol. . . . .	3,507	3,270	3,468	4,766	6,349	7,499	9,140
2834 Pharmaceutical preps.	Mil. dol. . . . .	1,651	1,895	2,355	2,666	3,403	5,071	7,169
2835 Diagnostic substances	Mil. dol. . . . .	336	379	470	457	541	594	685
2836 Bio. prod. exc. diagnostic	Mil. dol. . . . .	486	518	613	616	796	946	853
Value of exports	Mil. dol. . . . .	6,765	7,215	7,561	7,991	8,886	10,369	11,943
2833 Medicinals and botanicals	Mil. dol. . . . .	2,669	2,648	2,678	2,734	2,870	3,332	3,830
2834 Pharmaceutical preps.	Mil. dol. . . . .	1,584	1,773	1,914	1,954	2,356	2,938	3,842
2835 Diagnostic substances	Mil. dol. . . . .	1,370	1,485	1,507	1,741	1,891	2,171	2,286
2836 Bio. prod. exc. diagnostic	Mil. dol. . . . .	1,142	1,309	1,462	1,562	1,769	1,928	1,985

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the drugs industry. <sup>2</sup> Value of products classified in the drugs industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).



**No. 1428. Recent Trends in Soap, Cleaners, and Toilet Goods (SIC 284):  
1992 to 1998**

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol.	42,875	46,903	46,548	49,795	51,809	57,507	(NA)
2841 Soap and other detergents	Mil. dol.	14,729	15,458	14,603	15,735	15,779	16,776	(NA)
2842 Polishes/sanitation goods	Mil. dol.	6,659	8,079	8,405	8,679	8,602	8,370	(NA)
2843 Surface active agents	Mil. dol.	2,859	3,661	3,721	4,860	4,741	6,992	(NA)
2844 Toilet preparations	Mil. dol.	18,629	19,706	19,820	20,522	22,688	25,369	(NA)
Value of shipments (1992 dollars)	Mil. dol.	42,875	46,174	45,873	48,469	49,766	54,779	(NA)
2841 Soap and other detergents	Mil. dol.	14,729	15,259	14,530	15,487	15,230	16,023	(NA)
2842 Polishes/sanitation goods	Mil. dol.	6,659	8,014	8,264	8,353	8,239	7,994	(NA)
2843 Surface active agents	Mil. dol.	2,859	3,599	3,609	4,529	4,248	6,155	(NA)
2844 Toilet preparations	Mil. dol.	18,629	19,301	19,469	20,100	22,048	24,607	(NA)
Total employment	1,000	122.8	124.3	118.9	122.8	126.2	126.4	(NA)
2841 Soap and other detergents	1,000	32.8	31.2	31.3	31.6	30.3	29.0	(NA)
2842 Polishes/sanitation goods	1,000	22.0	22.8	21.4	23.1	24.2	22.0	(NA)
2843 Surface active agents	1,000	8.2	8.6	8.1	7.9	8.8	9.5	(NA)
2844 Toilet preparations	1,000	59.8	61.7	58.1	60.2	62.9	66.0	(NA)
Production workers	1,000	74.5	74.6	71.1	73.8	74.6	77.8	(NA)
2841 Soap and other detergents	1,000	19.9	17.9	18.6	18.0	16.8	16.8	(NA)
2842 Polishes/sanitation goods	1,000	13.4	13.8	13.1	14.0	14.2	14.1	(NA)
2843 Surface active agents	1,000	4.2	4.3	3.9	3.9	4.5	5.0	(NA)
2844 Toilet preparations	1,000	37.0	38.6	35.5	37.9	39.1	41.9	(NA)
Average hourly earnings	Dollars	12.32	12.26	12.36	12.75	13.02	14.16	(NA)
2841 Soap and other detergents	Dollars	14.86	15.06	14.89	15.40	15.68	17.03	(NA)
2842 Polishes/sanitation goods	Dollars	11.84	11.94	11.12	11.49	11.49	12.54	(NA)
2843 Surface active agents	Dollars	15.09	15.95	16.80	16.20	16.55	18.39	(NA)
2844 Toilet preparations	Dollars	10.80	10.59	10.93	11.44	11.89	12.92	(NA)
Capital expenditures	Mil. dol.	1,290	1,320	1,334	1,041	1,304	1,484	(NA)
2841 Soap and other detergents	Mil. dol.	571	514	494	356	427	448	(NA)
2842 Polishes/sanitation goods	Mil. dol.	121	130	124	154	173	154	(NA)
2843 Surface active agents	Mil. dol.	92	203	225	120	161	289	(NA)
2844 Toilet preparations	Mil. dol.	506	473	491	411	543	594	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol.	39,999	43,293	42,622	45,775	47,797	(NA)	(NA)
2841 Soap and other detergents	Mil. dol.	11,022	11,594	11,089	12,205	12,467	(NA)	(NA)
2842 Polishes/sanitation goods	Mil. dol.	6,477	7,492	7,601	7,755	7,327	(NA)	(NA)
2843 Surface active agents	Mil. dol.	3,776	4,032	3,648	4,703	4,836	(NA)	(NA)
2844 Toilet preparations	Mil. dol.	18,724	20,175	20,284	21,112	23,168	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol.	39,999	42,603	41,971	44,538	45,900	(NA)	(NA)
2841 Soap and other detergents	Mil. dol.	11,022	11,445	11,033	12,013	12,033	(NA)	(NA)
2842 Polishes/sanitation goods	Mil. dol.	6,477	7,433	7,474	7,464	7,018	(NA)	(NA)
2843 Surface active agents	Mil. dol.	3,776	3,965	3,538	4,383	4,333	(NA)	(NA)
2844 Toilet preparations	Mil. dol.	18,724	19,760	19,926	20,678	22,515	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol.	1,309	1,464	1,689	1,936	2,068	2,287	2,510
2841 Soap and other detergents	Mil. dol.	213	254	335	422	454	479	476
2842 Polishes/sanitation goods	Mil. dol.	46	50	56	62	69	93	104
2843 Surface active agents	Mil. dol.	158	204	263	296	288	305	312
2844 Toilet preparations	Mil. dol.	892	956	1,035	1,156	1,257	1,410	1,618
Value of exports	Mil. dol.	2,558	2,887	3,391	3,743	4,154	4,783	4,739
2841 Soap and other detergents	Mil. dol.	612	676	750	861	921	999	967
2842 Polishes/sanitation goods	Mil. dol.	144	170	174	205	212	216	218
2843 Surface active agents	Mil. dol.	548	604	734	790	826	940	968
2844 Toilet preparations	Mil. dol.	1,254	1,437	1,733	1,887	2,195	2,628	2,586

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the soap, cleaners, and toilet goods industry. <sup>2</sup> Value of products classified in the soap, cleaners, and toilet goods industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1429. Recent Trends in Petroleum Refining (SIC 2911): 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	136,551	129,961	128,686	136,173	158,068	157,935	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	136,551	135,376	139,120	142,441	144,751	148,157	(NA)
Total employment	1,000 . . . . .	74.9	73.1	72.0	70.4	67.2	64.8	(NA)
Production workers	1,000 . . . . .	47.9	47.3	46.6	45.6	43.4	42.2	(NA)
Average hourly earnings	Dollar . . . . .	19.76	21.04	21.16	21.79	22.41	23.8	(NA)
Capital expenditures	Mil. dol. . . . .	6,182	5,986	5,524	5,866	5,197	4,248	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	131,640	125,456	123,825	131,086	151,857	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	131,640	130,683	133,865	137,119	139,063	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	10,110	9,640	9,118	8,409	17,674	20,434	17,060
Value of exports	Mil. dol. . . . .	5,826	5,798	5,171	5,675	6,839	6,882	5,187

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the petroleum refining industry. <sup>2</sup> Value of products classified in the petroleum refining industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1430. Recent Trends in Miscellaneous Plastic Products Excluding Bottles and Plumbing (SIC 3081-4, -6, -7, -9): 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	77,891	84,160	93,893	100,989	104,807	111,147	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	77,891	83,236	95,677	97,096	100,986	107,786	(NA)
Total employment	1,000 . . . . .	627.0	649.9	681.5	715.0	714.0	733.3	(NA)
Production workers	1,000 . . . . .	480.0	503.6	532.9	559.8	557.7	569.0	(NA)
Average hourly earnings	Dollar . . . . .	9.96	10.23	10.34	10.44	10.68	11.65	(NA)
Capital expenditures	Mil. dol. . . . .	3,449	3,465	4,033	4,862	5,213	5,612	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	75,532	81,512	90,577	97,398	101,470	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	75,532	80,622	92,240	93,548	97,645	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	4,367	4,732	5,355	6,145	6,528	7,064	7,548
Value of exports	Mil. dol. . . . .	4,876	5,429	6,341	6,928	7,633	8,747	8,968

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the miscellaneous plastic products excluding bottles and plumbing industry. <sup>2</sup> Value of products classified in the miscellaneous plastic products excluding bottles and plumbing industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

## No. 1431. Recent Trends in Steel Mill Products (SIC 3312, 3315, 3316, 3317): 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	57,187	61,301	68,753	73,716	73,238	76,078	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	57,187	60,338	64,732	65,687	67,422	69,479	(NA)
Total employment	1,000 . . . . .	233.8	224.7	221.6	221.1	217.1	213.4	(NA)
Production workers	1,000 . . . . .	179.0	173.2	171.7	173.2	171.2	167.5	(NA)
Average hourly earnings	Dollar . . . . .	17.58	18.16	18.82	19.39	19.50	20.26	(NA)
Capital expenditures	Mil. dol. . . . .	2,568	2,166	3,130	3,283	3,402	3,328	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	56,132	60,199	67,681	72,347	71,293	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	56,132	59,266	63,733	64,472	65,609	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	8,507	9,298	13,442	12,906	13,852	14,814	17,970
Value of exports	Mil. dol. . . . .	3,191	2,987	3,204	4,891	4,346	5,116	4,865

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the steel mill products industry. <sup>2</sup> Value of products classified in the steel mill products industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

**No. 1432. Recent Trends in Automotive Parts and Accessories (SIC 3465, 3592, 3647, 3691, 3694, 3714): 1992 to 1998**

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	105,841	119,678	138,982	147,773	152,134	163,537	(NA)
Value of shipments (1992 dollar)	Mil. dol. . . . .	105,841	119,264	137,842	145,124	148,775	160,802	(NA)
Total employment . . . . .	1,000 . . . . .	608.9	632.7	679.0	706.1	691.1	726.5	(NA)
Production workers . . . . .	1,000 . . . . .	482.0	506.0	547.6	566.0	558.0	585.9	(NA)
Average hourly earnings . . . . .	Dollar . . . . .	15.84	16.22	16.57	17.05	17.05	17.75	(NA)
Capital expenditures . . . . .	Mil. dol. . . . .	4,585	5,308	6,010	7,824	7,572	8,946	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	104,109	118,293	134,462	143,859	148,201	(NA)	(NA)
Value of shipments (1992 dollar)	Mil. dol. . . . .	104,109	117,882	133,371	141,294	144,954	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports . . . . .	Mil. dol. . . . .	20,408	22,657	26,465	27,948	29,893	32,042	34,487
Value of exports . . . . .	Mil. dol. . . . .	22,262	25,890	27,724	29,471	30,410	35,214	35,362

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the automotive parts and accessories industry. <sup>2</sup> Value of products classified in the automotive parts and accessories industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

**No. 1433. Recent Trends in Computers and Peripherals (SIC 3571, 2, 5, 7): 1992 to 1998**

[Census reclassified some parts for electronic computers (3571) to component industries (367) for 1989-90]

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	61,969	64,374	73,345	86,078	97,592	105,726	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	61,969	75,838	98,708	145,239	220,172	324,261	(NA)
Total employment . . . . .	1,000 . . . . .	220.5	210.5	200.5	209.9	221.2	239.4	(NA)
Production workers . . . . .	1,000 . . . . .	74.2	73.9	75.8	78.9	83.4	98.1	(NA)
Average hourly earnings . . . . .	Dollar . . . . .	12.26	12.77	13.67	13.49	14.84	16.13	(NA)
Capital expenditures . . . . .	Mil. dol. . . . .	2,137	2,045	1,907	1,902	2,684	3,233	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	54,722	57,928	65,635	81,356	85,441	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	54,722	67,676	87,691	136,121	192,465	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports . . . . .	Mil. dol. . . . .	21,782	25,593	29,027	33,618	39,306	44,975	44,015
Value of exports . . . . .	Mil. dol. . . . .	14,942	15,367	17,579	19,647	21,439	23,176	21,202

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the computers and peripherals industry. <sup>2</sup> Value of products classified in the computers and peripherals industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

**No. 1434. Recent Trends in Telecommunications Equipment (SIC 3661, 3663): 1992 to 1998**

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	40,031	42,190	49,371	54,915	63,807	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	40,031	41,736	48,498	54,166	62,619	(NA)	(NA)
Total employment . . . . .	1,000 . . . . .	216.0	207.5	219.7	216.4	233.6	(NA)	(NA)
Production workers . . . . .	1,000 . . . . .	103.4	94.5	100.3	102.5	107.0	(NA)	(NA)
Average hourly earnings . . . . .	Dollar . . . . .	14.28	14.35	14.25	15.69	16.33	(NA)	(NA)
Capital expenditures . . . . .	Mil. dol. . . . .	1,317	1,445	1,518	1,899	2,088	(NA)	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	36,106	38,151	45,495	52,481	60,706	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	36,106	37,742	44,695	51,762	59,582	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports . . . . .	Mil. dol. . . . .	7,924	8,802	10,048	10,537	11,283	12,730	15,118
Value of exports . . . . .	Mil. dol. . . . .	7,364	9,184	11,559	14,681	14,971	18,562	17,976

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the telecommunications equipment industry. <sup>2</sup> Value of products classified in the telecommunications equipment industry produced by all industries.

Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

### No. 1435. Recent Trends in Electronic Components and Accessories (SIC 367): 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	73,642	81,236	97,131	120,129	127,996	140,494	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	73,642	81,129	97,838	126,734	144,213	172,438	(NA)
Total employment	1,000 . . . . .	529.9	531.4	551.3	584.3	588.0	604.9	(NA)
Production workers	1,000 . . . . .	317.3	321.2	339.6	364.0	368.1	386.3	(NA)
Average hourly earnings	Dollar . . . . .	10.83	10.98	11.14	11.41	11.70	13.01	(NA)
Capital expenditures	Mil. dol. . . . .	4,483	5,521	7,743	11,213	14,345	13,182	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	71,372	77,840	92,719	115,202	126,997	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	71,372	77,739	93,343	121,272	142,543	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	31,567	38,767	47,066	66,825	63,032	65,145	65,309
Value of exports	Mil. dol. . . . .	16,216	18,844	24,524	31,095	32,826	39,767	39,870

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the electronic components and accessories industry. <sup>2</sup> Value of products classified in the electronic components and accessories industry produced by all industries.  
Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

### No. 1436. Recent Trends in Printed Circuit Boards and Semiconductors and Related Devices: 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>PRINTED CIRCUIT BOARDS (SIC 3672)</b>								
Industry data:								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	7,320	7,378	8,416	9,498	10,702	9,596	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	7,320	7,551	8,803	9,924	11,067	10,037	(NA)
Total employment	1,000 . . . . .	76.0	73.6	76.9	81.6	88.3	75.1	(NA)
Production workers	1,000 . . . . .	51.0	50.5	54.0	59.6	63.9	56.8	(NA)
Average hourly earnings	Dollar . . . . .	10.16	10.58	10.49	10.36	10.75	11.92	(NA)
Capital expenditures	Mil. dol. . . . .	318	283	381	453	585	691	(NA)
Product data:								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	6,293	6,930	7,555	8,543	8,949	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	6,293	7,093	7,902	8,926	9,254	(NA)	(NA)
Trade data:								
Value of imports	Mil. dol. . . . .	1,243	1,289	1,468	1,840	1,849	2,071	2,045
Value of exports	Mil. dol. . . . .	1,092	973	1,377	1,651	1,694	2,007	2,178
<b>SEMICONDUCTORS AND RELATED DEVICES (SIC 3674)</b>								
Industry data:								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	32,191	35,152	47,265	65,922	71,413	78,009	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	32,191	35,222	47,790	71,810	85,833	107,599	(NA)
Total employment	1,000 . . . . .	172.0	162.5	183.3	191.6	189.6	198.1	(NA)
Production workers	1,000 . . . . .	84.8	82.2	92.9	98.1	96.2	105.8	(NA)
Average hourly earnings	Dollar . . . . .	13.55	14.08	14.46	14.89	15.29	16.36	(NA)
Product data:								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	29,391	33,689	44,064	60,330	67,070	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	29,391	33,757	44,555	65,719	80,613	(NA)	(NA)
Trade data:								
Value of imports	Mil. dol. . . . .	15,275	19,244	25,670	38,618	36,256	36,266	33,157
Value of exports	Mil. dol. . . . .	11,465	13,744	17,991	23,189	24,001	28,861	29,055

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in this industry. <sup>2</sup> Value of products classified in this industry produced by all industries.  
Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).

### No. 1437. Recent Trends in Motor Vehicles and Car Bodies (SIC 3711): 1992 to 1998

Item	Unit	1992	1993	1994	1995	1996	1997	1998
<b>INDUSTRY DATA</b>								
Value of shipments <sup>1</sup>	Mil. dol. . . . .	151,682	167,826	197,514	201,171	200,704	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	151,682	162,151	184,076	185,753	183,292	(NA)	(NA)
Total employment	1,000 . . . . .	227.8	224.2	234.0	237.9	225.2	(NA)	(NA)
Production workers	1,000 . . . . .	192.8	191.0	202.5	208.3	196.3	(NA)	(NA)
Average hourly earnings	Dollar . . . . .	21.96	22.61	23.39	24.48	24.60	(NA)	(NA)
Capital expenditures	Mil. dol. . . . .	2,988	4,034	4,247	4,521	4,382	(NA)	(NA)
<b>PRODUCT DATA</b>								
Value of shipments <sup>2</sup>	Mil. dol. . . . .	147,447	163,324	194,977	198,252	198,112	(NA)	(NA)
Value of shipments (1992 dollars)	Mil. dol. . . . .	147,447	157,801	181,712	183,058	180,924	(NA)	(NA)
<b>TRADE DATA</b>								
Value of imports	Mil. dol. . . . .	59,616	67,567	78,557	83,765	86,686	92,437	99,080
Value of exports	Mil. dol. . . . .	17,040	18,054	20,769	21,151	22,554	24,088	22,392

NA Not available. <sup>1</sup> Value of all products and services sold by establishments in the motor vehicles and car bodies industry. <sup>2</sup> Value of products classified in the motor vehicles and car bodies industry produced by all industries.  
Source: U.S. Department of Commerce, U.S. Census Bureau, International Trade Administration (ITA).