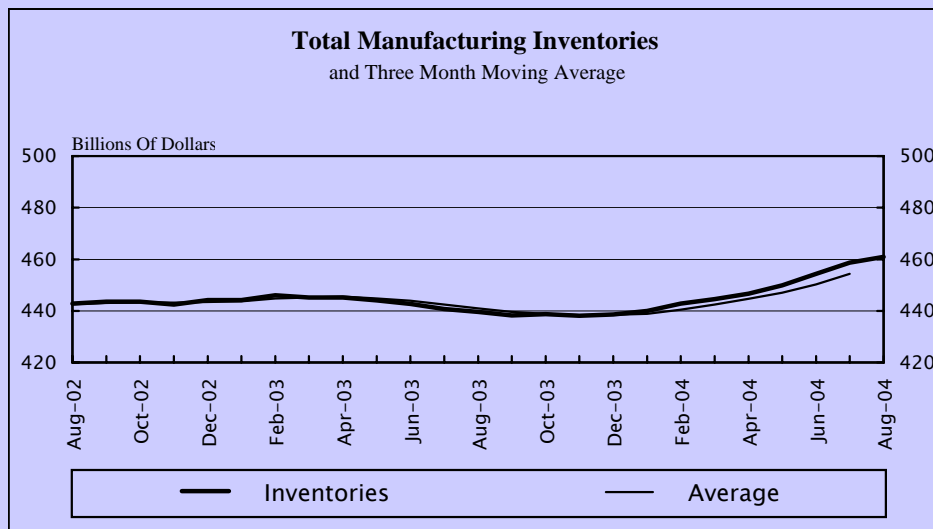
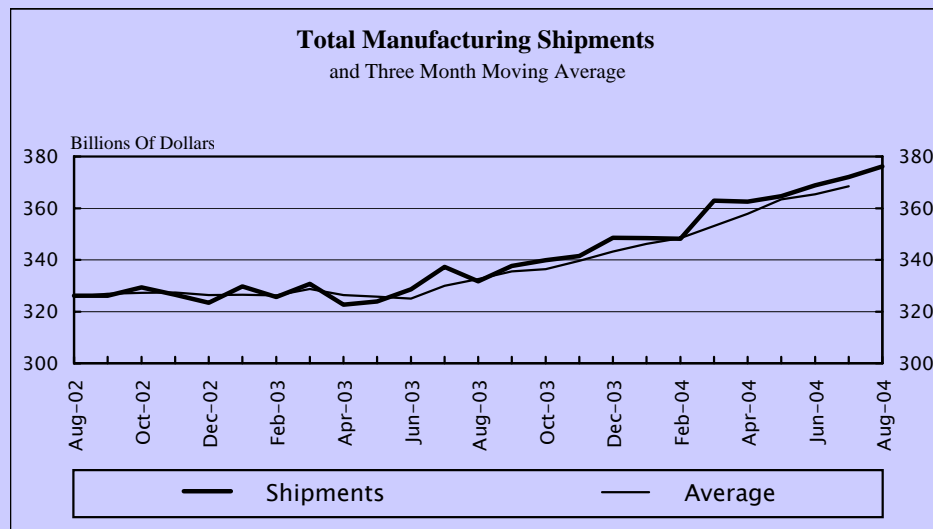


Manufacturers' Shipments, Inventories, and Orders: August 2004

Issued October 2004

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For data, call 301-763-4673. For inquiries, contact Chris Savage or Patrick Kent, Manufacturers' Shipments, Inventories and Orders Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900 or call 301-763-4832.

The advance report on durable goods for September is scheduled for October 27, 2004 at 8:30 a.m. and the full report on November 3, 2004 at 10:00 a.m.
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Figures in text, other than year-to-date, are in seasonally adjusted current dollars. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

Summary

New orders for manufactured goods in August decreased \$0.3 billion or 0.1 percent to \$370.5 billion, the Department of Commerce, Census Bureau reported today. This followed a 1.7 percent July increase.

Shipments, up five of the last six months, increased \$4.0 billion or 1.1 percent to \$376.1 billion. This was at the highest level since the series was first stated on a NAICS basis in 1992 and followed a 0.9 percent July increase.

Unfilled orders, up twelve of the last thirteen months, increased \$1.8 billion or 0.3 percent to \$535.6 billion. This followed a 1.2 percent July increase. The unfilled orders-to-shipments ratio was 3.90, down from 3.92 in July.

Inventories, up nine consecutive months, increased \$2.2 billion or 0.5 percent to \$460.9 billion. This followed a 1.0 percent July increase. The inventories-to-shipments ratio was unchanged at 1.23.

New Orders

New orders for manufactured durable goods in August decreased \$0.6 billion or 0.3 percent to \$195.8 billion, revised from the previously published \$0.9 billion decrease.

Transportation equipment had the largest decrease, \$4.4 billion or 7.4 percent to \$55.1 billion. The decrease in transportation equipment offsets increases in other industry categories.

New orders for manufactured nondurable goods increased \$0.3 billion or 0.2 percent to \$174.7 billion.

Shipments

Shipments of manufactured durable goods in August, up five of the last seven months, increased \$3.7 billion or 1.9 percent to \$201.4 billion, revised from the previously published \$3.4 billion increase.

Transportation equipment, up three of the last four months, had the largest increase, \$2.4 billion or 4.6 percent to \$54.6 billion. Wood products increased \$0.6 billion or 7.1 percent to \$9.8 billion.

Shipments of manufactured nondurable goods, up eleven of the last twelve months, increased \$0.3 billion or 0.2 percent to \$174.7 billion. This was at the highest level since the series began in 1992. Petroleum and coal products had the largest increase, \$0.4 billion or 1.3 percent to \$29.1 billion. This was also at the highest level since the series began in 1992.

Unfilled Orders

Unfilled orders of manufactured durable goods in August, up twelve of the last thirteen months, increased \$1.8 billion or 0.3 percent to \$535.6 billion, unchanged from the previously published increase.

Fabricated metal products, up eleven of the last thirteen months, had the largest increase, \$0.8 billion or 1.8 percent to \$45.2 billion. Primary metals, up fifteen consecutive months, increased \$0.5 billion or 2.6 percent to \$20.2 billion.

Inventories

Inventories of manufactured durable goods in August, up nine consecutive months, increased \$1.7 billion or 0.6 percent to \$276.6 billion, unchanged from the previously published increase.

Fabricated metal products, up seven consecutive months, had the largest increase, \$0.5 billion or 1.5 percent to \$34.0 billion. Primary metals, up ten consecutive months, increased \$0.4 billion or 2.2 percent to \$19.5 billion.

Inventories of manufactured nondurable goods, up eight consecutive months, increased \$0.5 billion or 0.3 percent to \$184.3 billion. This was at the highest level since the series began in 1992. Plastic and rubber products, up ten consecutive months, had the largest increase, \$0.3 billion or 1.4 percent to \$21.9 billion. This was also at the highest level since the series began in 1992.

By stage of fabrication, August materials and supplies increased 0.5 percent in durable goods and decreased 0.1 percent in nondurable goods. Work in process increased 0.1 percent in durable goods and decreased 0.2 percent in nondurable goods. Finished goods increased 1.5 percent in durable goods and 0.7 percent in nondurable goods.

SEE BACK PAGE FOR SURVEY DESCRIPTION

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Table 1. Value of Manufacturers' Shipments for Industry Groups**[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly				Year to date		
	Aug. 2004 ^p	July 2004 ^r	June 2004	July - Aug.	June - July	May - June	Aug. 2004 ^p	July 2004 ^r	June 2004	Aug. 2003	2004 ^p	2003	Percent 2004/ 2003
All manufacturing industries	376,139	372,105	368,804	1.1	0.9	1.1	381,799	344,364	394,087	335,985	2,895,554	2,605,814	11.1
Excluding transportation	321,511	319,872	314,555	0.5	1.7	1.2	326,351	306,319	334,516	285,603	2,466,366	2,204,501	11.9
Excluding defense	366,243	362,407	359,175	1.1	0.9	1.2	372,331	335,444	383,807	327,088	2,819,095	2,536,921	11.1
With unfilled orders	137,498	136,338	134,058	0.9	1.7	1.6	137,012	121,774	146,019	119,157	1,051,550	945,208	11.3
Durable goods industries	201,447	197,698	196,708	1.9	0.5	1.2	202,321	173,628	215,454	177,143	1,547,842	1,392,261	11.2
Wood products.....	9,788	9,139	9,162	7.1	-0.3	-4.9	10,609	9,370	10,144	8,457	73,765	59,620	23.7
Nonmetallic mineral products.....	7,601	7,543	7,471	0.8	1.0	0.5	8,394	7,818	8,057	7,927	60,097	58,018	3.6
Primary metals.....	14,510	14,217	13,782	2.1	3.2	4.1	14,834	13,287	14,522	10,758	108,157	87,982	22.9
Iron and steel mills.....	7,095	6,928	6,539	2.4	5.9	7.1	7,258	6,525	6,945	4,771	50,229	40,223	24.9
Aluminum and nonferrous metals.....	5,819	5,693	5,680	2.2	0.2	1.1	5,931	5,347	5,883	4,724	45,674	37,484	21.8
Ferrous metal foundries.....	1,596	1,596	1,563	0.0	2.1	3.5	1,645	1,415	1,694	1,263	12,254	10,275	19.3
Fabricated metal products.....	23,235	23,173	22,828	0.3	1.5	1.0	24,371	22,079	24,035	20,848	179,272	162,755	10.1
Machinery.....	24,826	25,116	24,340	-1.2	3.2	4.7	24,020	23,739	27,085	20,304	192,747	167,578	15.0
Farm machinery.....	1,915	1,880	1,718	1.9	9.4	1.7	1,807	1,793	1,776	1,285	14,565	11,695	24.5
Construction machinery.....	2,465	2,364	2,272	4.3	4.0	1.0	2,330	2,267	2,577	1,678	18,835	14,027	34.3
Mining, oil field, and gas field machinery.....	909	902	881	0.8	2.4	5.9	894	879	954	685	6,711	5,551	20.9
Industrial machinery.....	3,229	3,595	3,400	-10.2	5.7	12.5	2,840	3,565	3,851	2,678	25,803	23,004	12.2
Photographic equipment.....	869	931	880	-6.7	5.8	-4.2	827	868	1,013	831	6,959	6,213	12.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,754	2,809	2,818	-2.0	-0.3	3.8	2,910	2,808	3,477	2,718	22,307	20,233	10.3
Metalworking machinery.....	2,093	2,129	2,095	-1.7	1.6	12.3	2,146	1,910	2,342	1,710	15,539	13,324	16.6
Turbines, generators, and other power transmission equipment.....	3,277	3,265	3,162	0.4	3.3	5.8	3,202	2,766	3,438	2,538	24,633	21,016	17.2
Material handling equipment.....	1,551	1,502	1,458	3.3	3.0	-0.3	1,481	1,446	1,536	1,247	11,853	10,580	12.0
Computers and electronic products	39,876	39,372	38,226	1.3	3.0	0.2	37,531	34,500	43,361	33,241	296,363	259,784	14.1
Computers.....	5,296	5,474	5,081	-3.3	7.7	-3.3	5,107	5,762	5,067	4,634	41,582	35,524	17.1
Computer storage devices.....	1,516	1,522	1,506	-0.4	1.1	18.0	1,136	981	2,565	1,008	10,539	9,407	12.0
Other peripheral equipment.....	1,744	1,647	1,530	5.9	7.6	-7.2	1,541	1,321	1,923	1,320	11,813	11,018	7.2
Nondefense communications equipment.....	7,034	6,516	6,280	7.9	3.8	-2.8	6,428	5,251	7,226	5,538	49,242	43,764	12.5
Defense communications equipment.....	529	503	518	5.2	-2.9	5.7	536	457	542	460	4,068	3,338	21.9
Audio and video equipment.....	753	699	675	7.7	3.6	0.7	745	622	625	653	4,933	4,929	0.1
Semiconductors	7,384	7,522	7,158	-1.8	5.1	-1.9	7,085	6,521	7,646	6,181	54,864	45,013	21.9
Electronic components.....	4,587	4,597	4,543	-0.2	1.2	2.4	4,550	4,191	4,875	4,127	34,824	31,904	9.2
Nondefense search and navigation equipment.....	855	820	947	4.3	-13.4	1.1	853	754	1,051	831	7,006	6,571	6.6
Defense search and navigation equipment.....	2,710	2,731	2,569	-0.8	6.3	-6.1	2,577	2,590	2,698	2,392	20,462	18,825	8.7
Electromedical, measuring, and control instruments.....	6,921	6,788	6,879	2.0	-1.3	7.2	6,437	5,551	8,611	5,612	52,893	45,723	15.7
Electrical equipment, appliances, and components.....	9,204	9,054	8,741	1.7	3.6	-0.3	9,170	8,279	9,547	8,188	69,175	65,702	5.3
Electric lighting equipment.....	1,086	1,094	1,023	-0.7	6.9	-3.6	1,056	925	1,078	945	8,292	8,039	3.1
Household appliances.....	2,088	2,069	2,049	0.9	1.0	2.4	2,153	1,912	2,255	2,048	15,833	15,275	3.7
Electrical equipment.....	2,738	2,691	2,615	1.7	2.9	-1.0	2,743	2,495	2,928	2,400	20,757	19,408	7.0
Batteries.....	517	497	498	4.0	-0.2	2.5	505	403	540	450	3,674	3,431	7.1
Transportation equipment.....	54,628	52,233	54,249	4.6	-3.7	0.9	55,448	38,045	59,571	50,382	429,188	401,313	6.9
Automobiles.....	7,698	7,195	7,508	7.0	-4.2	2.4	8,104	4,390	8,253	6,987	60,089	56,284	6.8
Light trucks and utility vehicles.....	10,870	9,524	11,065	14.1	-13.9	1.0	11,447	5,509	12,259	10,438	89,399	82,399	8.5
Heavy duty trucks	1,277	1,300	1,235	-1.8	5.3	6.6	1,302	1,246	1,385	1,057	9,726	8,528	14.0
Motor vehicle bodies, parts, and trailers.....	18,661	18,652	18,360	0.0	1.6	1.2	19,118	13,793	19,722	17,989	147,945	142,174	4.1
Nondefense aircraft and parts.....	6,334	5,904	6,226	7.3	-5.2	-5.8	5,921	4,643	7,255	5,048	45,712	43,321	5.5
Defense aircraft and parts.....	3,735	3,542	3,706	5.4	-4.4	1.1	3,511	3,198	4,061	3,358	29,132	25,213	15.5
Ships and boats.....	2,362	2,450	2,450	-3.6	0.0	1.4	2,491	2,078	2,504	2,294	18,908	16,599	13.9
Furniture and related products.....	6,384	6,471	6,196	-1.3	4.4	-1.3	6,803	6,120	6,268	6,367	49,551	45,860	8.0
Miscellaneous durable goods	11,395	11,380	11,713	0.1	-2.8	3.8	11,141	10,391	12,864	10,671	89,527	83,649	7.0
Nondurable goods industries.....	174,692	174,407	172,096	0.2	1.3	1.0	179,478	170,736	178,633	158,842	1,347,712	1,213,553	11.1
Food products.....	41,293	41,942	41,464	-1.5	1.2	0.3	42,016	39,983	41,894	39,689	317,830	299,662	6.1
Grain and oilseed milling.....	3,090	3,457	3,412	-10.6	1.3	-0.3	3,163	3,289	3,247	4,235	26,930	32,255	-16.5
Dairy products.....	6,452	6,632	6,711	-2.7	-1.2	-2.5	6,436	6,478	6,964	5,684	50,892	42,374	20.1
Meat, poultry, and seafood products.....	12,954	12,618	12,575	2.7	0.3	2.0	13,552	12,360	13,035	11,803	95,136	88,543	7.4
Beverage and tobacco products.....	9,269	9,020	9,454	2.8	-4.6	5.9	9,674	9,263	10,023	9,123	72,621	70,858	2.5
Beverages.....	6,065	5,929	5,903	2.3	0.4	-1.2	6,470	6,172	6,472	5,971	47,964	45,919	4.5
Tobacco.....	3,204	3,091	3,551	3.7	-13.0	20.3	3,204	3,091	3,551	3,152	24,657	24,939	-1.1
Textile mills.....	3,490	3,504	3,330	-0.4	5.2	-4.0	3,630	3,259	3,586	3,401	27,594	26,389	4.6
Textile products.....	3,160	3,147	3,121	0.4	0.8	0.4	3,397	3,202	3,306	3,156	25,482	23,074	10.4
Apparel.....	4,675	4,768	4,786	-2.0	-0.4	-0.8	5,065	4,928	4,702	4,772	37,191	34,366	8.2
Leather and allied products.....	901	896	909	0.6	-1.4	3.6	969	874	946	1,009	6,954	7,202	-3.4
Paper products.....	14,864	14,602	14,844	1.8	-1.6	5.2	15,263	14,385	15,402	13,390	114,222	105,836	7.9
Pulp, paper, and paperboard mills.....	6,101	6,089	6,001	0.2	1.5	0.9	6,378	6,073	6,164	5,755	47,680	46,191	3.2
Paperboard containers.....	4,036	3,984	3,857	1.3	3.3	3.3	4,202	3,941	3,997	3,707	30,491	29,353	3.9
Printing.....	7,838	8,009	8,160	-2.1	-1.9	2.1	8,062	7,544	8,097	8,041	61,751	62,083	-0.5
Petroleum and coal products.....	29,060	28,673	26,798	1.3	7.0	-2.0	30,895	29,548	28,332	22,357	215,582	158,949	35.6
Petroleum refineries.....	26,768	26,453	24,646	1.2	7.3	-2.0	28,167	26,982	25,733	20,372	198,375	145,536	36.3
Basic chemicals.....	42,942	42,861	42,263	0.2	1.4	1.2	42,879	41,244	44,257	38,241	333,416	301,695	10.5
Pesticides, fertilizers, and other agricultural chemicals.....	1,793	1,804	1,723	-0.6	4.7	4.0	1,390	1,558	1,992	1,258	14,995	13,440	11.6
Pharmaceuticals and medicines.....	10,149	10,270	10,080	-1.2	1.9	2.4	10,072	9,511	10,048	9,496	76,886	77,291	-0.5
Paints, coatings, and adhesives.....	2,551	2,465	2,495	3.5	-1.2	-1.5	2,738	2,609	2,691	2,491	20,812	19,296	7.9
Plastics and rubber products.....	17,200	16,985	16,967	1.3	0.1	2.4	17,628	16,506	18,088	15,663	135,069	123,439	9.4

^p Preliminary^r Revised

NA Not available.

¹ Shipments are the totals for the period and are adjusted for trading-day and calendar-month variations.
See note at end of Table 2 relating to survey error and revision.

Table 2. Value of Manufacturers' New Orders for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly				Year to date		
	Aug. 2004 ^p	July 2004 ^r	June 2004	July - Aug.	June - July	May - June	Aug. 2004 ^p	July 2004 ^r	June 2004	Aug. 2003	2004 ^p	2003	Percent 2004/ 2003
All manufacturing industries ²	370,535	370,838	364,818	-0.1	1.7	1.2	371,852	341,356	385,255	329,567	2,869,410	2,566,480	11.8
Excluding transportation ²	315,442	311,374	308,970	1.3	0.8	0.6	317,592	298,277	325,383	279,617	2,434,006	2,164,174	12.5
Excluding defense ²	360,861	361,448	353,682	-0.2	2.2	0.5	364,750	335,281	374,476	320,021	2,793,381	2,490,987	12.1
With unfilled orders ²	139,278	142,593	137,230	-2.3	3.9	1.6	134,150	125,287	144,833	118,920	1,080,270	950,887	13.6
Durable goods industries ²	195,843	196,431	192,722	-0.3	1.9	1.3	192,374	170,620	206,622	170,725	1,521,698	1,352,927	12.5
Primary metals.....	15,020	15,020	13,973	0.0	7.5	1.9	15,290	13,997	14,393	11,107	112,481	88,166	27.6
Iron and steel mills.....	7,513	7,508	6,629	0.1	13.3	4.6	7,782	6,977	6,813	5,226	52,857	40,498	30.5
Aluminum and nonferrous metals.....	5,904	5,847	5,790	1.0	1.0	0.9	5,855	5,553	5,948	4,620	47,056	37,382	25.9
Ferrous metal foundries.....	1,603	1,665	1,554	-3.7	7.1	-4.7	1,653	1,467	1,632	1,261	12,568	10,286	22.2
Fabricated metal products.....	24,047	23,047	23,123	4.3	-0.3	2.4	24,824	21,916	23,804	20,926	186,613	162,696	14.7
Machinery.....	24,831	24,783	24,575	0.2	0.8	1.5	23,629	23,229	26,486	20,240	197,508	166,397	18.7
Construction machinery.....	2,441	2,354	2,199	3.7	7.0	-1.3	2,274	1,968	2,260	1,689	20,002	14,138	41.5
Mining, oil field, and gas field machinery.....	881	860	893	2.4	-3.7	-1.4	866	837	966	898	7,026	5,624	24.9
Industrial machinery.....	3,352	3,636	3,764	-7.8	-3.4	16.5	2,807	3,830	3,927	2,388	27,081	23,063	17.4
Photographic equipment.....	857	908	852	-5.6	6.6	-6.3	809	864	960	841	7,014	6,419	9.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,652	2,727	2,712	-2.8	0.6	-8.3	2,763	2,747	3,216	2,876	22,712	20,780	9.3
Metalworking machinery.....	2,098	2,135	2,084	-1.7	2.4	4.9	2,032	1,887	2,346	1,643	16,046	13,299	20.7
Turbines, generators, and other power transmission equipment.....	3,510	3,022	2,997	16.1	0.8	-4.7	3,441	2,560	3,262	2,486	25,300	18,648	35.7
Material handling equipment.....	1,475	1,451	1,503	1.7	-3.5	-3.2	1,285	1,261	1,573	1,054	11,588	10,151	14.2
Computers and electronic products ²	32,166	30,741	32,090	4.6	-4.2	-1.2	28,176	26,133	35,667	27,155	245,036	219,611	11.6
Computers.....	5,069	5,092	5,673	-0.5	-10.2	-1.6	4,980	5,151	5,595	5,200	40,975	36,226	13.1
Nondefense communications equipment.....	6,646	6,053	5,756	9.8	5.2	-7.0	4,701	4,554	5,758	4,685	47,598	47,852	-0.5
Defense communications equipment.....	393	544	529	-27.8	2.8	38.1	400	498	553	377	3,952	3,431	15.2
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	5,062	4,313	4,662	17.4	-7.5	-6.6	5,125	3,862	5,187	4,298	36,826	29,683	24.1
Nondefense search and navigation equipment.....	892	903	911	-1.2	-0.9	-10.9	824	858	988	800	7,245	6,796	6.6
Defense search and navigation equipment.....	2,661	2,784	2,896	-4.4	-3.9	-2.1	1,964	2,050	3,033	2,813	21,708	19,389	12.0
Electromedical, measuring, and control instruments.....	6,883	6,631	7,412	3.8	-10.5	5.3	6,224	5,737	8,908	5,516	55,310	47,112	17.4
Electrical equipment, appliances, and components.....	9,436	9,040	8,473	4.4	6.7	-5.1	9,390	8,545	9,005	8,273	70,946	65,911	7.6
Electric lighting equipment.....	1,291	963	818	34.1	17.7	-29.4	1,278	805	873	1,114	8,688	8,192	6.1
Household appliances.....	2,285	2,133	1,919	7.1	11.2	-6.3	2,400	2,051	2,015	1,962	16,089	15,299	5.2
Electrical equipment.....	2,676	2,646	2,673	1.1	-1.0	1.7	2,638	2,518	2,907	2,377	21,307	19,747	7.9
Transportation equipment.....	55,093	59,464	55,848	-7.4	6.5	4.8	54,260	43,079	59,872	49,950	435,404	402,306	8.2
Motor vehicle bodies, parts, and trailers.....	18,959	18,704	18,630	1.4	0.4	0.4	19,139	14,044	19,683	17,694	149,356	141,838	5.3
Nondefense aircraft and parts.....	7,129	12,475	6,130	-42.9	103.5	-9.2	6,890	10,737	7,153	4,628	51,805	36,836	40.6
Defense aircraft and parts.....	2,916	3,007	5,152	-3.0	-41.6	81.3	1,613	1,894	5,258	2,511	24,207	29,275	-17.3
Ships and boats.....	2,311	2,322	2,120	-0.5	9.5	-1.7	2,180	1,446	1,949	3,772	17,421	15,963	9.1
Furniture and related products.....	6,341	6,348	6,273	-0.1	1.2	-1.4	6,536	6,216	6,309	6,065	50,325	46,090	9.2
Nondurable goods industries.....	174,692	174,407	172,096	0.2	1.3	1.0	179,478	170,736	178,633	158,842	1,347,712	1,213,553	11.1

^p Preliminary ^r Revised NA Not available.¹ New orders are the totals for the period and are adjusted for trading-day and calendar-month variations.² Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(02), "Manufacturers' Shipments, Inventories, and Orders: 1992-2002."

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Aug. 04/03
	Aug. 2004 ^p	July 2004 ^r	June 2004	July - Aug.	June - July	May - June	Aug. 2004 ^p	July 2004 ^r	June 2004	Aug. 2003	
All manufacturing industries ¹	535,572	533,792	527,537	0.3	1.2	0.6	531,136	533,998	530,485	486,358	9.2
Excluding transportation ¹	275,421	274,106	275,082	0.5	-0.4	0.6	273,639	275,313	276,834	240,949	13.6
Excluding defense ¹	375,537	373,535	366,972	0.5	1.8	0.5	373,609	374,105	367,747	335,213	11.5
Durable goods industries ¹	535,572	533,792	527,537	0.3	1.2	0.6	531,136	533,998	530,485	486,358	9.2
Primary metals.....	20,236	19,726	18,923	2.6	4.2	1.0	20,326	19,870	19,160	14,643	38.8
Iron and steel mills.....	11,765	11,347	10,767	3.7	5.4	0.8	11,895	11,371	10,919	8,075	47.3
Aluminum and nonferrous metals.....	5,804	5,719	5,565	1.5	2.8	2.0	5,800	5,876	5,670	4,379	32.5
Ferrous metal foundries.....	2,667	2,660	2,591	0.3	2.7	-0.3	2,631	2,623	2,571	2,189	20.2
Fabricated metal products.....	45,215	44,403	44,529	1.8	-0.3	0.7	45,362	44,909	45,072	36,841	23.1
Machinery.....	48,020	48,015	48,348	0.0	-0.7	0.5	47,643	48,034	48,544	41,239	15.5
Construction machinery.....	4,104	4,128	4,138	-0.6	-0.2	-1.7	3,873	3,929	4,228	2,120	82.7
Mining, oil field, and gas field machinery.....	1,377	1,405	1,447	-2.0	-2.9	0.8	1,377	1,405	1,447	971	41.8
Industrial machinery.....	8,625	8,502	8,461	1.4	0.5	4.5	8,616	8,649	8,384	7,531	14.4
Photographic equipment.....	875	887	910	-1.4	-2.5	-3.0	882	900	904	760	16.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,593	4,695	4,777	-2.2	-1.7	-2.2	4,652	4,799	4,860	4,543	2.4
Metalworking machinery.....	4,567	4,562	4,556	0.1	0.1	-0.2	4,467	4,581	4,604	3,618	23.5
Turbines, generators, and other power transmission equipment.....	9,934	9,701	9,944	2.4	-2.4	-1.6	10,005	9,766	9,972	8,362	19.6
Material handling equipment.....	4,816	4,892	4,943	-1.6	-1.0	0.9	4,596	4,792	4,977	4,460	3.0
Computers and electronic products ¹	134,567	134,893	136,002	-0.2	-0.8	0.8	132,693	134,963	136,809	123,657	7.3
Computers.....	8,111	8,338	8,720	-2.7	-4.4	7.3	8,198	8,325	8,936	8,826	-7.1
Nondefense communications equipment.....	46,017	46,405	46,868	-0.8	-1.0	-1.1	44,736	46,463	47,160	45,893	-2.5
Defense communications equipment.....	3,273	3,409	3,368	-4.0	1.2	0.3	3,273	3,409	3,368	3,035	7.8
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	15,873	15,398	15,682	3.1	-1.8	0.8	15,931	15,356	15,685	13,263	20.1
Nondefense search and navigation equipment.....	4,824	4,787	4,704	0.8	1.8	-0.8	4,820	4,849	4,745	4,714	2.2
Defense search and navigation equipment.....	38,112	38,161	38,108	-0.1	0.1	0.9	37,320	37,933	38,473	34,198	9.1
Electromedical, measuring, and control instruments.....	18,357	18,395	18,552	-0.2	-0.8	3.0	18,415	18,628	18,442	13,728	34.1
Electrical equipment, appliances, and components.....	15,026	14,794	14,808	1.6	-0.1	-1.8	15,186	14,966	14,700	14,001	8.5
Electric lighting equipment.....	1,593	1,388	1,519	14.8	-8.6	-11.9	1,653	1,431	1,551	1,608	2.8
Household appliances.....	994	797	733	24.7	8.7	-15.1	1,023	776	637	923	10.8
Electrical equipment.....	8,774	8,836	8,881	-0.7	-0.5	0.7	8,823	8,928	8,905	8,410	4.9
Transportation equipment.....	260,151	259,686	252,455	0.2	2.9	0.6	257,497	258,685	253,651	245,409	4.9
Motor vehicle bodies, parts, and trailers.....	15,374	15,076	15,024	2.0	0.3	1.8	15,031	15,010	14,759	11,797	27.4
Nondefense aircraft and parts.....	111,775	110,980	104,409	0.7	6.3	-0.1	111,164	110,195	104,101	105,009	5.9
Defense aircraft and parts.....	56,408	57,227	57,762	-1.4	-0.9	2.6	55,845	57,743	59,047	60,026	-7.0
Ships and boats.....	19,713	19,764	19,892	-0.3	-0.6	-1.6	18,974	19,285	19,917	20,012	-5.2
Furniture and related products.....	6,058	6,101	6,224	-0.7	-2.0	1.3	6,130	6,397	6,301	5,484	11.8

^p Preliminary^r Revised

NA Not available.

¹ Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

See note at end of Table 2 relating to survey error and revision.

Table 4. Value of Manufacturers' Inventories for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Aug. 04/03
	Aug. 2004 ^P	July 2004 ^r	June 2004	July - Aug.	June - July	May - June	Aug. 2004 ^P	July 2004 ^r	June 2004	Aug. 2003	
All manufacturing industries.....	460,877	458,681	454,310	0.5	1.0	1.0	465,072	461,464	452,403	443,020	5.0
Excluding transportation.....	392,043	389,432	385,799	0.7	0.9	1.1	395,301	391,393	384,372	374,506	5.6
Excluding defense.....	436,967	434,635	430,035	0.5	1.1	1.0	440,802	437,069	427,998	419,619	5.0
With unfilled orders.....	215,584	214,428	211,893	0.5	1.2	0.9	217,981	216,197	211,005	207,963	4.8
Durable goods industries.....	276,552	274,834	271,849	0.6	1.1	0.9	279,474	276,952	270,653	265,538	5.2
Wood products.....	10,296	10,230	10,181	0.6	0.5	-0.7	10,059	9,988	10,016	9,211	9.2
Nonmetallic mineral products.....	9,363	9,303	9,198	0.6	1.1	-0.4	9,362	9,350	9,282	9,752	-4.0
Primary metals.....	19,497	19,070	18,829	2.2	1.3	1.6	19,634	19,187	18,746	17,782	10.4
Iron and steel mills.....	10,755	10,307	10,180	4.3	1.2	3.6	10,906	10,419	10,074	9,717	12.2
Aluminum and nonferrous metals.....	6,908	6,960	6,889	-0.7	1.0	-1.1	6,914	6,962	6,870	6,414	7.8
Ferrous metal foundries.....	1,834	1,803	1,760	1.7	2.4	1.6	1,814	1,806	1,802	1,651	9.9
Fabricated metal products.....	33,961	33,470	32,903	1.5	1.7	1.3	34,104	33,669	32,862	31,048	9.8
Machinery.....	44,670	44,315	43,837	0.8	1.1	1.4	44,975	44,212	43,494	41,654	8.0
Farm machinery.....	2,398	2,422	2,409	-1.0	0.5	2.3	2,311	2,360	2,385	2,079	11.2
Construction machinery.....	4,110	4,164	4,015	-1.3	3.7	3.6	4,069	4,096	3,958	3,427	18.7
Mining, oil field, and gas field machinery.....	2,352	2,333	2,407	0.8	-3.1	0.9	2,394	2,360	2,452	2,299	4.1
Industrial machinery.....	7,139	6,905	6,969	3.4	-0.9	0.5	7,188	6,866	6,975	6,641	8.2
Photographic equipment.....	1,412	1,409	1,412	0.2	-0.2	0.4	1,421	1,411	1,398	1,404	1.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,457	4,371	4,246	2.0	2.9	0.4	4,509	4,375	4,196	4,139	8.9
Metalworking machinery.....	4,272	4,348	4,362	-1.7	-0.3	-0.1	4,439	4,434	4,332	4,402	0.8
Turbines, generators, and other power transmission equipment.....	4,749	4,717	4,608	0.7	2.4	2.1	4,877	4,756	4,513	4,214	15.7
Material handling equipment.....	2,440	2,419	2,394	0.9	1.0	2.9	2,468	2,389	2,414	2,357	4.7
Computers and electronic products.....	48,862	48,583	48,222	0.6	0.7	1.4	50,041	49,462	47,777	48,132	4.0
Computers.....	2,564	2,520	2,463	1.7	2.3	5.4	2,752	2,481	2,525	2,759	-0.3
Computer storage devices.....	1,223	1,226	1,215	-0.2	0.9	2.6	1,322	1,263	1,154	1,312	0.8
Other peripheral equipment.....	2,448	2,457	2,404	-0.4	2.2	1.8	2,559	2,504	2,317	2,457	4.2
Nondefense communications equipment.....	9,696	9,536	9,351	1.7	2.0	-0.4	9,910	9,696	9,127	9,818	0.9
Defense communications equipment.....	1,209	1,176	1,250	2.8	-5.9	-6.4	1,209	1,176	1,250	1,297	-6.8
Audio and video equipment.....	1,084	1,058	1,014	2.5	4.3	5.4	1,168	1,106	984	1,034	13.0
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	7,910	8,004	7,946	-1.2	0.7	3.2	7,932	8,292	7,857	7,563	4.9
Nondefense search and navigation equipment.....	2,443	2,439	2,470	0.2	-1.3	1.2	2,467	2,485	2,457	2,636	-6.4
Defense search and navigation equipment.....	2,868	2,863	2,909	0.2	-1.6	2.3	2,938	2,900	2,934	2,832	3.7
Electromedical, measuring and control instruments.....	10,284	10,251	10,243	0.3	0.1	0.8	10,514	10,278	10,149	10,375	1.3
Electrical equipment, appliances, and components.....	13,004	12,820	12,629	1.4	1.5	1.0	12,983	12,847	12,681	12,307	5.5
Electric lighting equipment.....	1,459	1,456	1,454	0.2	0.1	2.4	1,512	1,511	1,494	1,508	0.3
Household appliances.....	2,400	2,306	2,214	4.1	4.2	1.0	2,350	2,316	2,240	1,998	17.6
Electrical equipment.....	4,455	4,450	4,425	0.1	0.6	0.8	4,445	4,395	4,354	4,036	10.1
Batteries.....	614	602	598	2.0	0.7	-1.0	650	630	622	578	12.5
Transportation equipment.....	68,834	69,249	68,511	-0.6	1.1	0.4	69,771	70,071	68,031	68,514	1.8
Automobiles.....	2,229	2,124	2,184	4.9	-2.7	4.8	2,316	2,241	2,157	1,900	21.9
Light trucks and utility vehicles.....	2,475	2,428	2,506	1.9	-3.1	3.3	2,617	2,523	2,450	2,560	2.2
Heavy duty trucks.....	805	796	803	1.1	-0.9	2.2	833	798	783	771	8.0
Motor vehicle bodies, parts, and trailers.....	16,142	16,130	16,068	0.1	0.4	1.0	16,132	16,285	16,005	15,393	4.8
Nondefense aircraft and parts.....	23,984	24,426	23,542	-1.8	3.8	0.2	24,327	24,513	23,158	25,242	-3.6
Defense aircraft and parts.....	11,496	11,609	11,683	-1.0	-0.6	0.9	11,711	11,857	11,763	11,008	6.4
Ships and boats.....	3,121	3,133	3,268	-0.4	-4.1	0.5	3,125	3,153	3,272	2,778	12.5
Furniture and related products.....	8,282	8,185	8,117	1.2	0.8	1.7	8,409	8,393	8,319	7,882	6.7
Miscellaneous durable goods.....	19,783	19,609	19,422	0.9	1.0	0.7	20,136	19,773	19,445	19,256	4.6
Nondurable goods industries.....	184,325	183,847	182,461	0.3	0.8	1.0	185,598	184,512	181,750	177,482	4.6
Food products.....	33,847	34,013	34,037	-0.5	-0.1	1.0	33,980	33,509	32,825	33,226	2.3
Grain and oilseed milling.....	2,797	2,849	3,146	-1.8	-9.4	-3.6	2,620	2,676	2,913	3,445	-23.9
Dairy products.....	4,030	4,044	4,110	-0.3	-1.6	0.0	4,109	4,205	4,289	3,550	15.7
Meat, poultry, and seafood products.....	6,327	6,391	6,342	-1.0	0.8	1.5	6,206	6,340	6,251	5,936	4.5
Beverage and tobacco products.....	14,926	14,648	14,735	1.9	-0.6	1.5	14,471	14,006	14,351	14,195	1.9
Beverages.....	10,269	10,037	10,101	2.3	-0.6	2.3	9,997	9,710	9,986	9,560	4.6
Tobacco.....	4,657	4,611	4,634	1.0	-0.5	-0.2	4,474	4,296	4,365	4,635	-3.5
Textile mills.....	4,811	4,826	4,863	-0.3	-0.8	0.0	4,855	4,907	4,910	5,082	-4.5
Textile products.....	5,195	5,189	5,152	0.1	0.7	1.0	5,221	5,236	5,236	5,041	3.6
Apparel.....	7,111	7,018	6,946	1.3	1.0	1.1	7,339	7,358	7,256	7,535	-2.6
Leather and allied products.....	1,592	1,606	1,629	-0.9	-1.4	-0.4	1,640	1,651	1,645	1,664	-1.4
Paper products.....	14,757	14,644	14,342	0.8	2.1	0.0	14,751	14,628	14,329	14,800	-0.3
Pulp, paper, and paperboard mills.....	6,257	6,300	6,122	-0.7	2.9	-1.2	6,232	6,283	6,118	6,635	-6.1
Paperboard containers.....	4,455	4,339	4,236	2.7	2.4	1.5	4,460	4,341	4,225	4,149	7.5
Printing.....	6,500	6,462	6,399	0.6	1.0	-0.4	6,955	6,780	6,418	6,632	4.9
Petroleum and coal products.....	17,407	17,770	16,962	-2.0	4.8	1.2	17,831	18,259	17,411	16,043	11.1
Petroleum refineries.....	15,727	16,115	15,350	-2.4	5.0	1.1	16,078	16,526	15,710	14,453	11.2
Basic chemicals.....	56,310	56,109	56,186	0.4	-0.1	1.1	56,805	56,562	56,128	53,250	6.7
Pesticides, fertilizers, and other agricultural chemicals.....	2,388	2,396	2,399	-0.3	-0.1	2.0	2,064	2,083	2,153	2,010	2.7
Pharmaceuticals and medicines.....	23,454	23,524	23,906	-0.3	-1.6	1.3	24,045	23,986	24,130	21,471	12.0
Paints, coatings, and adhesives.....	2,834	2,830	2,822	0.1	0.3	0.7	2,824	2,856	2,851	2,762	2.2
Plastics and rubber products.....	21,869	21,562	21,210	1.4	1.7	1.6	21,750	21,616	21,241	20,014	8.7

^P Preliminary^r Revised

NA Not available.

¹ Inventories for semiconductor industry data are included in computers and electronic products and total durable goods industries, but are not shown separately. See note at end of Table 2 relating to survey error and revision.

Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series ¹

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ²						Percent Change ⁶ 2004/ 2003
	Monthly			Percent Change			Monthly			Year to date			
	Aug. 2004 ^p	July 2004 ^r	June 2004	July - Aug.	June - July	May - June	Aug. 2004 ^p	July 2004 ^r	June 2004	Aug. 2003	2004 ^p	2003	
SHIPMENTS													
All manufacturing industries	376,139	372,105	368,804	1.1	0.9	1.1	381,799	344,364	394,087	335,985	2,895,554	2,605,814	11.1
Construction materials and supplies.....	40,351	39,457	39,119	2.3	0.9	-0.6	43,528	39,460	42,770	37,232	311,683	277,533	12.3
Information technology.....	31,549	30,887	29,961	2.1	3.1	0.2	29,436	27,200	34,599	26,109	234,253	208,629	12.3
Computers and related products	8,556	8,643	8,117	-1.0	6.5	-0.8	7,784	8,064	9,555	6,962	63,934	55,949	14.3
Motor vehicle and parts.....	38,506	36,671	38,168	5.0	-3.9	1.5	39,971	24,938	41,619	36,471	307,159	289,385	6.1
Capital goods.....	72,949	71,777	70,403	1.6	2.0	1.0	69,908	65,156	79,103	61,570	554,241	494,588	12.1
Nondefense capital goods ³	64,507	63,458	62,363	1.7	1.8	1.8	61,743	57,396	70,693	53,890	488,748	435,777	12.2
Excluding aircraft.....	61,889	61,415	60,055	0.8	2.3	2.6	59,398	55,875	67,845	51,781	470,022	416,206	12.9
Defense capital goods ⁴	8,442	8,319	8,040	1.5	3.5	-4.3	8,165	7,760	8,410	7,680	65,493	58,811	11.4
Consumer goods.....	142,739	141,038	141,151	1.2	-0.1	1.1	147,244	130,486	146,691	130,911	1,102,078	997,643	10.5
Consumer durable goods.....	34,891	33,120	34,920	5.3	-5.2	1.6	35,981	24,481	37,808	33,004	276,596	258,591	7.0
Consumer nondurable goods.....	107,848	107,918	106,231	-0.1	1.6	1.0	111,263	106,005	108,883	97,907	825,482	739,052	11.7
NEW ORDERS													
All manufacturing industries ⁵	370,535	370,838	364,818	-0.1	1.7	1.2	371,852	341,356	385,255	329,567	2,869,410	2,566,480	11.8
Construction materials and supplies.....	41,039	39,070	38,920	5.0	0.4	-1.2	43,947	39,016	42,035	37,592	317,636	277,960	14.3
Information technology.....	30,628	30,137	30,845	1.6	-2.3	-0.5	26,429	25,903	34,110	26,068	236,412	215,589	9.7
Computers and related products	8,329	8,261	8,709	0.8	-5.1	0.2	7,657	7,453	10,083	7,528	63,327	56,651	11.8
Motor vehicle and parts.....	38,804	36,723	38,438	5.7	-4.5	1.1	39,992	25,189	41,580	36,176	308,570	289,049	6.8
Capital goods.....	73,015	78,012	73,591	-6.4	6.0	4.9	66,198	68,504	79,527	61,425	568,102	503,210	12.9
Nondefense capital goods ³	64,505	69,879	63,934	-7.7	9.3	1.5	59,804	63,213	70,269	53,039	501,442	437,843	14.5
Excluding aircraft.....	60,859	61,322	60,983	-0.8	0.6	1.8	56,257	55,655	66,784	51,010	476,456	423,354	12.5
Defense capital goods ⁴	8,510	8,133	9,657	4.6	-15.8	34.7	6,394	5,291	9,258	8,386	66,660	65,367	2.0
Consumer goods.....	142,969	140,998	141,132	1.4	-0.1	0.7	147,355	130,746	146,441	130,577	1,102,553	997,474	10.5
Consumer durable goods.....	35,121	33,080	34,901	6.2	-5.2	0.1	36,092	24,741	37,558	32,670	277,071	258,422	7.2
Consumer nondurable goods.....	107,848	107,918	106,231	-0.1	1.6	1.0	111,263	106,005	108,883	97,907	825,482	739,052	11.7
UNFILLED ORDERS													
All manufacturing industries ⁵	535,572	533,792	527,537	0.3	1.2	0.6	531,136	533,998	530,485	486,358	(X)	(X)	9.2
Construction materials and supplies.....	37,598	36,910	37,297	1.9	-1.0	-0.5	37,822	37,403	37,847	31,560	(X)	(X)	19.8
Information technology.....	123,234	124,155	124,905	-0.7	-0.6	0.7	121,331	124,338	125,635	114,214	(X)	(X)	6.2
Computers and related products	8,111	8,338	8,720	-2.7	-4.4	7.3	8,198	8,325	8,936	8,826	(X)	(X)	-7.1
Motor vehicle and parts.....	15,374	15,076	15,024	2.0	0.3	1.8	15,031	15,010	14,759	11,797	(X)	(X)	27.4
Capital goods.....	375,955	375,889	369,654	0.0	1.7	0.9	371,658	375,368	372,020	347,333	(X)	(X)	7.0
Nondefense capital goods ³	234,243	234,245	227,824	0.0	2.8	0.7	232,241	234,180	228,363	215,468	(X)	(X)	7.8
Excluding aircraft.....	147,109	148,139	148,232	-0.7	-0.1	0.6	145,718	148,859	149,079	135,419	(X)	(X)	7.6
Defense capital goods ⁴	141,712	141,644	141,830	0.0	-0.1	1.2	139,417	141,188	143,657	131,865	(X)	(X)	5.7
Consumer goods.....	13,049	12,819	12,859	1.8	-0.3	-0.1	13,086	12,975	12,715	11,698	(X)	(X)	11.9
Consumer durable goods.....	13,049	12,819	12,859	1.8	-0.3	-0.1	13,086	12,975	12,715	11,698	(X)	(X)	11.9
TOTAL INVENTORIES													
All manufacturing industries	460,877	458,681	454,310	0.5	1.0	1.0	465,072	461,464	452,403	443,020	(X)	(X)	5.0
Construction materials and supplies.....	50,081	49,530	48,710	1.1	1.7	0.9	50,058	49,606	48,581	46,573	(X)	(X)	7.5
Information technology.....	39,778	39,415	39,172	0.9	0.6	0.9	40,764	39,771	38,760	40,571	(X)	(X)	0.5
Computers and related products	6,235	6,203	6,082	0.5	2.0	3.4	6,633	6,248	5,996	6,528	(X)	(X)	1.6
Motor vehicle and parts.....	21,651	21,478	21,561	0.8	-0.4	1.7	21,898	21,847	21,395	20,624	(X)	(X)	6.2
Capital goods.....	128,703	128,454	127,041	0.2	1.1	0.7	130,616	129,098	126,215	126,455	(X)	(X)	3.3
Nondefense capital goods ³	109,403	109,066	107,324	0.3	1.6	0.9	111,087	109,493	106,384	107,506	(X)	(X)	3.3
Excluding aircraft.....	91,995	91,292	90,436	0.8	0.9	1.1	93,439	91,727	89,852	89,591	(X)	(X)	4.3
Defense capital goods ⁴	19,300	19,388	19,717	-0.5	-1.7	0.1	19,529	19,605	19,831	18,949	(X)	(X)	3.1
Consumer goods.....	142,274	142,059	141,290	0.2	0.5	1.1	143,708	142,637	140,670	136,620	(X)	(X)	5.2
Consumer durable goods.....	29,361	28,900	28,672	1.6	0.8	1.8	29,857	29,317	28,644	27,622	(X)	(X)	8.1
Consumer nondurable goods.....	112,913	113,159	112,618	-0.2	0.5	1.0	113,851	113,320	112,026	108,998	(X)	(X)	4.5

^p Preliminary ^r Revised X Not Applicable.

¹ Topical series are regroupings of the separate industry categories.

² Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

³ Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

⁴ Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.

⁵ Estimates and percent changes exclude semiconductor industry data.

⁶ Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.

See note at end of Table 2 relating to survey error and revision.

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Aug. 04/03
	Aug. 2004 ^p	July 2004 ^r	June 2004	July - Aug.	June - July	May - June	Aug. 2004 ^p	July 2004 ^r	June 2004	Aug. 2003	
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries	150,989	150,674	148,934	0.2	1.2	0.8	151,360	151,629	148,113	143,598	5.4
Durable goods industries	90,378	89,972	89,017	0.5	1.1	1.1	91,055	90,862	88,144	84,771	7.4
Wood products.....	3,936	3,915	3,846	0.5	1.8	-1.1	3,874	3,749	3,549	3,517	10.2
Nonmetallic mineral products.....	3,359	3,375	3,344	-0.5	0.9	0.1	3,378	3,384	3,335	3,382	-0.1
Primary metals.....	7,525	7,349	7,188	2.4	2.2	5.2	7,627	7,427	7,112	5,835	30.7
Fabricated metal products.....	12,840	12,442	12,095	3.2	2.9	0.9	12,931	12,501	12,051	11,064	16.9
Machinery.....	13,133	13,011	12,925	0.9	0.7	1.2	13,269	13,133	12,845	12,641	5.0
Computers and electronic products	16,928	17,182	17,094	-1.5	0.5	2.0	17,111	17,470	17,091	17,097	0.1
Electrical equipment, appliances, and components.....	4,755	4,672	4,625	1.8	1.0	0.3	4,728	4,658	4,602	4,648	1.7
Transportation equipment.....	17,806	17,894	17,787	-0.5	0.6	-1.5	17,910	18,238	17,452	17,048	5.1
Furniture and related products.....	3,562	3,586	3,492	-0.7	2.7	2.8	3,574	3,629	3,512	3,276	9.1
Miscellaneous products.....	6,534	6,546	6,621	-0.2	-1.1	3.5	6,653	6,673	6,595	6,263	6.2
Nondurable goods industries.....	60,611	60,702	59,917	-0.1	1.3	0.3	60,305	60,767	59,969	58,827	2.5
Food products.....	9,408	9,632	9,755	-2.3	-1.3	-1.2	9,128	9,525	9,620	10,120	-9.8
Beverage and tobacco products.....	5,283	5,174	5,261	2.1	-1.7	0.2	5,132	4,969	5,161	5,345	-4.0
Textiles.....	1,353	1,354	1,368	-0.1	-1.0	0.2	1,353	1,365	1,366	1,393	-2.9
Textile products.....	1,880	1,874	1,850	0.3	1.3	1.9	1,909	1,910	1,865	1,728	10.5
Apparel.....	1,636	1,624	1,625	0.7	-0.1	2.5	1,618	1,626	1,654	1,684	-3.9
Leather and allied products.....	454	451	455	0.7	-0.9	0.7	469	468	466	448	4.7
Paper products.....	6,539	6,703	6,616	-2.4	1.3	1.1	6,511	6,668	6,571	6,788	-4.1
Printing.....	2,874	2,877	2,870	-0.1	0.2	3.5	2,949	2,963	2,894	2,793	5.6
Petroleum and coal products.....	5,513	5,771	5,121	-4.5	12.7	-1.4	5,534	5,910	5,304	4,670	18.5
Basic chemicals.....	17,858	17,571	17,440	1.6	0.8	0.0	17,891	17,624	17,558	16,527	8.3
Plastics and rubber products.....	7,813	7,671	7,556	1.9	1.5	1.1	7,811	7,739	7,510	7,331	6.5
<u>WORK IN PROCESS</u>											
All manufacturing industries	132,321	132,313	131,100	0.0	0.9	1.2	133,667	132,765	129,685	129,102	3.5
Durable goods industries	100,719	100,638	98,974	0.1	1.7	0.9	102,027	101,233	98,211	97,477	4.7
Wood products.....	1,939	1,989	1,985	-2.5	0.2	-1.2	1,935	1,987	1,986	1,952	-0.9
Nonmetallic mineral products.....	1,185	1,164	1,183	1.8	-1.6	-1.1	1,178	1,167	1,195	1,195	-1.4
Primary metals.....	6,435	6,226	6,179	3.4	0.8	-0.4	6,467	6,269	6,200	6,024	7.4
Fabricated metal products.....	9,704	9,762	9,759	-0.6	0.0	0.5	9,839	9,869	9,756	9,461	4.0
Machinery.....	15,644	15,665	15,431	-0.1	1.5	0.7	16,028	15,769	15,411	14,770	8.5
Computers and electronic products	19,863	19,559	19,210	1.6	1.8	0.5	20,275	19,887	18,996	18,277	10.9
Electrical equipment, appliances, and components.....	3,035	2,993	3,018	1.4	-0.8	1.0	3,057	3,024	3,050	2,909	5.1
Transportation equipment.....	37,929	38,474	37,705	-1.4	2.0	1.7	38,155	38,371	37,080	37,745	1.1
Furniture and related products.....	1,659	1,597	1,609	3.9	-0.7	2.9	1,665	1,616	1,618	1,546	7.7
Miscellaneous products.....	3,326	3,209	2,895	3.6	10.8	-0.3	3,428	3,274	2,919	3,598	-4.7
Nondurable goods industries.....	31,602	31,675	32,126	-0.2	-1.4	2.1	31,640	31,532	31,474	31,625	0.0
Food products.....	3,392	3,275	3,226	3.6	1.5	0.8	3,156	3,033	2,949	2,771	13.9
Beverage and tobacco products.....	4,991	4,801	4,869	4.0	-1.4	2.8	4,623	4,296	4,453	4,212	9.8
Textiles.....	1,260	1,257	1,262	0.2	-0.4	-1.3	1,261	1,265	1,262	1,290	-2.2
Textile products.....	686	689	694	-0.4	-0.7	-0.6	687	692	701	710	-3.2
Apparel.....	1,161	1,137	1,145	2.1	-0.7	-1.0	1,172	1,172	1,209	1,238	-5.3
Leather and allied products.....	167	161	171	3.7	-5.8	0.6	164	160	158	160	2.5
Paper products.....	1,270	1,251	1,216	1.5	2.9	-0.8	1,308	1,275	1,226	1,180	10.8
Printing.....	1,770	1,762	1,733	0.5	1.7	-7.0	1,995	1,931	1,704	1,985	0.5
Petroleum and coal products.....	3,468	3,860	3,747	-10.2	3.0	4.0	3,565	4,016	3,723	4,497	-20.7
Basic chemicals.....	10,829	10,885	11,484	-0.5	-5.2	4.0	11,127	11,119	11,530	11,181	-0.5
Plastics and rubber products.....	2,608	2,597	2,579	0.4	0.7	3.4	2,582	2,573	2,559	2,401	7.5
<u>FINISHED GOODS</u>											
All manufacturing industries	177,567	175,694	174,276	1.1	0.8	1.0	180,045	177,070	174,605	170,320	5.7
Durable goods industries	85,455	84,224	83,858	1.5	0.4	0.8	86,392	84,857	84,298	83,290	3.7
Wood products.....	4,421	4,326	4,350	2.2	-0.6	-0.1	4,250	4,252	4,481	3,742	13.6
Nonmetallic mineral products.....	4,819	4,764	4,671	1.2	2.0	-0.6	4,806	4,799	4,752	5,175	-7.1
Primary metals.....	5,537	5,495	5,462	0.8	0.6	-0.5	5,540	5,491	5,434	5,923	-6.5
Fabricated metal products.....	11,417	11,266	11,049	1.3	2.0	2.5	11,334	11,299	11,055	10,523	7.7
Machinery.....	15,893	15,639	15,481	1.6	1.0	2.2	15,678	15,310	15,238	14,243	10.1
Computers and electronic products	12,071	11,842	11,918	1.9	-0.6	2.1	12,655	12,105	11,690	12,758	-0.8
Electrical equipment, appliances, and components.....	5,214	5,155	4,986	1.1	3.4	1.7	5,198	5,165	5,029	4,750	9.4
Transportation equipment.....	13,099	12,881	13,019	1.7	-1.1	-0.7	13,706	13,462	13,499	13,721	-0.1
Furniture and related products.....	3,061	3,002	3,016	2.0	-0.5	-0.1	3,170	3,148	3,189	3,060	3.6
Miscellaneous products.....	9,923	9,854	9,906	0.7	-0.5	-0.9	10,055	9,826	9,931	9,395	7.0
Nondurable goods industries.....	92,112	91,470	90,418	0.7	1.2	1.1	93,653	92,213	90,307	87,030	7.6
Food products.....	21,047	21,106	21,056	-0.3	0.2	2.1	21,696	20,951	20,256	20,335	6.7
Beverage and tobacco products.....	4,652	4,673	4,605	-0.4	1.5	1.7	4,716	4,741	4,737	4,638	1.7
Textiles.....	2,198	2,215	2,233	-0.8	-0.8	0.6	2,241	2,277	2,282	2,399	-6.6
Textile products.....	2,629	2,626	2,608	0.1	0.7	0.7	2,625	2,634	2,670	2,603	0.8
Apparel.....	4,314	4,257	4,176	1.3	1.9	1.1	4,549	4,560	4,393	4,613	-1.4
Leather and allied products.....	971	994	1,003	-2.3	-0.9	-1.1	1,007	1,023	1,021	1,056	-4.6
Paper products.....	6,948	6,690	6,510	3.9	2.8	-1.0	6,932	6,685	6,532	6,832	1.5
Printing.....	1,856	1,823	1,796	1.8	1.5	0.6	2,011	1,886	1,820	1,854	8.5
Petroleum and coal products.....	8,426	8,139	8,094	3.5	0.6	1.7	8,732	8,333	8,384	6,876	27.0
Basic chemicals.....	27,623	27,653	27,262	-0.1	1.4	0.7	27,787	27,819	27,040	25,542	8.8
Plastics and rubber products.....	11,448	11,294	11,075	1.4	2.0	1.6	11,357	11,304	11,172	10,282	10.5

^p Preliminary^r Revised

See note at end of Table 2 relating to survey error and revisions.

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group

[Based on Seasonally Adjusted data]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Aug 2004 ^P	Jul 2004 ^r	Jun 2004	May 2004	Aug 2004 ^P	Jul 2004 ^r	Jun 2004	May 2004
All manufacturing industries ²	1.23	1.23	1.23	1.23	(X)	(X)	(X)	(X)
Durable goods industries ²	1.37	1.39	1.38	1.39	3.90	3.92	3.94	3.97
Wood products.....	1.05	1.12	1.11	1.06	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.23	1.23	1.23	1.24	(X)	(X)	(X)	(X)
Primary metals.....	1.34	1.34	1.37	1.40	1.39	1.39	1.37	1.42
Fabricated metal products.....	1.46	1.44	1.44	1.44	2.02	1.99	2.03	2.04
Machinery.....	1.80	1.76	1.80	1.86	2.16	2.13	2.20	2.30
Computers and electronic products ² ..	1.23	1.23	1.26	1.25	4.82	4.92	5.07	5.05
Electrical equipment, appliances, and components.....	1.41	1.42	1.44	1.43	1.73	1.73	1.80	1.82
Transportation equipment.....	1.26	1.33	1.26	1.27	7.48	7.59	7.33	7.31
Furniture and related products.....	1.30	1.26	1.31	1.27	1.08	1.06	1.14	1.11
Miscellaneous products.....	1.74	1.72	1.66	1.71	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.06	1.05	1.06	1.06	(X)	(X)	(X)	(X)
Food products.....	0.82	0.81	0.82	0.82	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.61	1.62	1.56	1.63	(X)	(X)	(X)	(X)
Textiles.....	1.38	1.38	1.46	1.40	(X)	(X)	(X)	(X)
Textile products.....	1.64	1.65	1.65	1.64	(X)	(X)	(X)	(X)
Apparel.....	1.52	1.47	1.45	1.42	(X)	(X)	(X)	(X)
Leather and allied products.....	1.77	1.79	1.79	1.87	(X)	(X)	(X)	(X)
Paper products.....	0.99	1.00	0.97	1.02	(X)	(X)	(X)	(X)
Printing.....	0.83	0.81	0.78	0.80	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.60	0.62	0.63	0.61	(X)	(X)	(X)	(X)
Basic chemicals.....	1.31	1.31	1.33	1.33	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.27	1.27	1.25	1.26	(X)	(X)	(X)	(X)

^P Preliminary

^r Revised

X Not Applicable

¹ Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes

[Based on Seasonally Adjusted data]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Aug ¹ 2004	Aug ² 2003-Jul 2004	Aug ¹ 2004	Aug ² 2003-Jul 2004	Aug ¹ 2004	Aug ² 2003-Jul 2004	Aug ¹ 2004	Aug ² 2003-Jul 2004
All manufacturing industries.....	(X)	0.4	(X)	0.6	(X)	0.1	(X)	0.1
Durable goods industries.....	0.2	0.3	0.2	0.7	0.0	0.1	0.0	0.1
Wood products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.6
Primary metals.....	0.3	0.8	0.5	1.6	0.4	0.9	0.1	0.1
Fabricated metal products.....	0.1	0.4	0.1	1.5	0.1	0.7	0.5	0.4
Machinery.....	-0.1	0.8	0.2	1.3	0.1	0.4	0.1	0.2
Computers and electronic products.....	0.3	0.8	0.5	1.6	0.0	0.3	-0.6	0.3
Electrical equipment, appliances, and components.....	0.3	0.5	2.6	0.8	1.4	0.5	0.1	0.4
Transportation equipment.....	0.0	0.3	-0.6	0.6	-0.1	0.1	0.0	0.1
Furniture and related products.....	(X)	0.7	(X)	0.8	(X)	0.9	(X)	0.4
Miscellaneous products.....	(X)	0.6	(X)	0.9	(X)	1.0	(X)	0.4
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Textiles.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	2.3	(X)	(NA)	(X)	(NA)	(X)	1.4
Paper products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Petroleum and coal products.....	(X)	1.5	(X)	(NA)	(X)	(NA)	(X)	1.0
Basic chemicals.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4

X Not Applicable

NA Not Available

¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

² The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 3,500 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 59 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 3,500 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 3,500 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source.

Additional survey documentation can be found on our web site: <http://www.census.gov/m3>.