

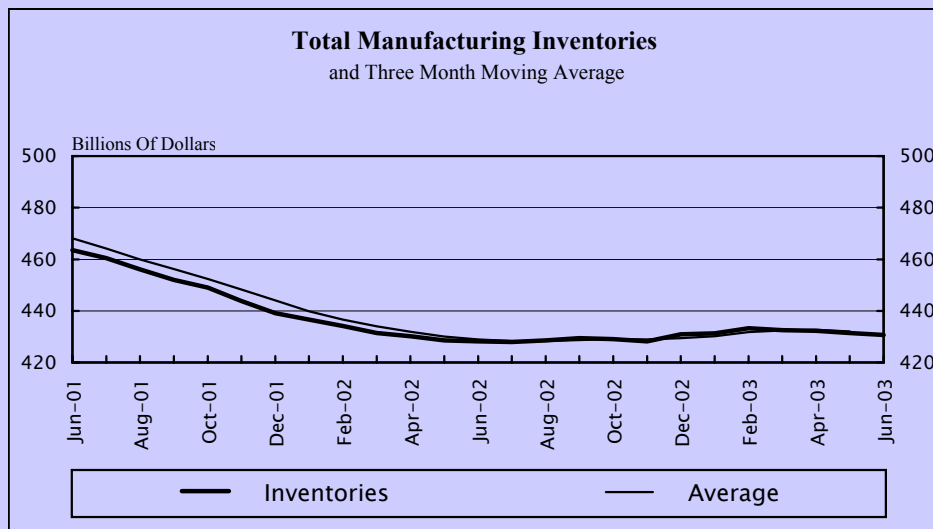
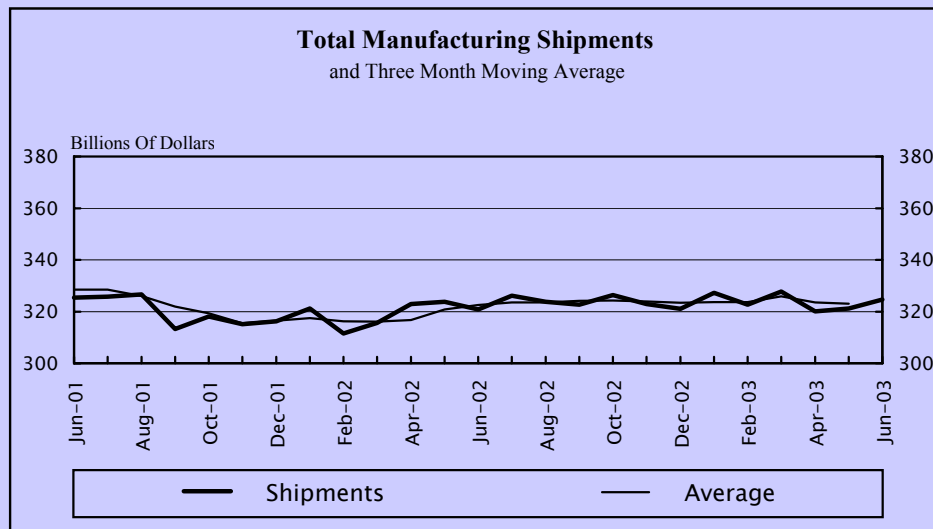
Manufacturers' Shipments, Inventories, and Orders: June 2003

Issued August 2003

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Current Industrial Reports



For data, call 301-763-4673. For inquiries, contact Dan Sansbury or Derrick Roy, 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 July is scheduled for August 26, 2003 at 8:30 a.m. and the full report on September 4, 2003 at 10:00 a.m.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington DC, 20402

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Figures in text, other than year to date, are in seasonally adjusted current dollars and **exclude data for semiconductor manufacturing**.

Summary

New orders for manufactured goods in June increased \$5.5 billion or 1.7 percent to \$326.0 billion, the Department of Commerce, Census Bureau reported today. This followed a 0.3 percent May increase. Year to date, new orders for 2003 were 2.6 percent above the same period a year ago.

Shipments increased \$3.5 billion or 1.1 percent to \$324.6 billion. This followed a 0.3 percent May increase. Year to date, shipments for 2003 were 1.4 percent above the same period a year ago.

Unfilled orders increased \$1.4 billion or 0.3 percent to \$478.1 billion, following a 0.1 percent May decrease. The unfilled orders-to-shipments ratio was 4.01, down from 4.03 in May.

Inventories, down four consecutive months, decreased \$0.8 billion or 0.2 percent to \$430.5 billion, following a 0.2 percent May decrease. The inventories-to-shipments ratio was 1.33, down from 1.34 in May.

New Orders

New orders for manufactured durable goods in June increased \$4.4 billion or 2.6 percent to \$173.4 billion, revised from the previously published 2.1 percent increase. This was the largest percent increase since July 2002.

Transportation equipment had the largest increase, \$2.3 billion or 4.7 percent to \$51.2 billion, led by nondefense aircraft and parts, which increased by \$1.0 billion.

New orders for manufactured nondurable goods increased \$1.1 billion or 0.7 percent to \$152.5 billion.

Shipments

Shipments of manufactured durable goods in June increased \$2.4 billion or 1.4 percent to \$172.1 billion, revised from the previously published 1.3 percent increase.

Transportation equipment had the largest increase, \$1.4 billion or 2.8 percent to \$50.9 billion, led by nondefense aircraft and parts, which increased by \$0.7 billion.

Shipments of manufactured nondurable goods increased \$1.1 billion or 0.7 percent to \$152.5 billion. Food products had the largest increase, \$0.5 billion or 1.3 percent to \$38.5 billion, led by meat, poultry, and seafood products, which increased by \$0.4 billion.

Unfilled Orders

Unfilled orders of manufactured durable goods in June increased \$1.4 billion or 0.3 percent to \$478.1 billion, revised from the previously published 0.1 percent increase.

Computers and electronic products had the largest increase, \$0.8 billion or 0.8 percent to \$111.7 billion, led by electromedical, measuring, and control instruments, which increased by \$0.8 billion. Unfilled orders for computers and electronic products have increased seven consecutive months.

Inventories

Inventories of manufactured durable goods in June decreased \$1.5 billion or 0.6 percent to \$260.8 billion, unrevised from the previously published decrease. This was the twenty-eighth decrease over the past twenty-nine months.

Transportation equipment had the largest decrease, \$0.6 billion or 0.9 percent to \$73.0 billion, led by nondefense aircraft and parts, which decreased by \$0.8 billion.

Inventories of manufactured nondurable goods, at the highest level since June 2001, increased \$0.7 billion or 0.4 percent to \$169.7 billion. Petroleum and coal products had the largest increase, \$0.3 billion or 2.3 percent to \$13.6 billion.

By stage of fabrication, June materials and supplies decreased 0.7 percent in durable goods and 0.9 percent in nondurable goods. Work in process decreased 1.3 percent in durable goods and increased 1.6 percent in nondurable goods. Finished goods increased 0.4 percent in durable goods and 0.9 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		
	June 2003 ^p	May 2003 ^f	Apr. 2003	May - June	Apr. - May	Mar. - Apr.	June 2003 ^p	May 2003 ^f	Apr. 2003	June 2002	2003 ^p	2002	Percent Change 03/02
All manufacturing industries ²	324,611	321,153	320,061	1.1	0.3	-2.3	345,396	327,848	317,067	339,333	1,944,092	1,916,435	1.4
Excluding transportation ²	273,743	271,675	270,555	0.8	0.4	-2.2	290,083	275,089	267,709	283,626	1,631,282	1,595,332	2.3
Excluding defense ²	315,968	312,454	311,184	1.1	0.4	-2.5	335,812	319,229	308,870	330,374	1,893,148	1,871,360	1.2
With unfilled orders ²	119,286	118,246	118,165	0.9	0.1	-0.9	130,531	120,019	115,796	132,049	717,346	733,019	-2.1
Durable goods industries ²	172,069	169,664	169,509	1.4	0.1	-1.1	188,399	173,863	167,115	188,012	1,034,483	1,047,423	-1.2
Wood products.....	7,484	7,323	7,283	2.2	0.5	-1.7	8,403	7,674	7,503	8,053	43,615	44,072	-1.0
Nonmetallic mineral products.....	8,444	8,347	8,322	1.2	0.3	0.1	9,056	8,812	8,460	8,893	49,602	47,464	4.5
Primary metals.....	10,597	10,662	10,725	-0.6	-0.6	-2.1	11,070	11,187	11,080	11,605	66,518	67,949	-2.1
Iron and steel mills.....	4,940	4,975	5,082	-0.7	-2.1	-1.7	5,230	5,196	5,245	5,395	31,157	30,763	1.3
Aluminum and nonferrous metals.....	4,422	4,440	4,386	-0.4	1.2	-2.5	4,529	4,648	4,522	4,806	27,537	28,908	-4.7
Ferrous metal foundries.....	1,235	1,247	1,257	-1.0	-0.8	-2.5	1,311	1,343	1,313	1,404	7,824	8,278	-5.5
Fabricated metal products.....	20,101	20,253	20,159	-0.8	0.5	-1.9	21,077	20,839	20,198	21,918	122,192	125,607	-2.7
Machinery.....	22,395	22,253	22,044	0.6	0.9	-0.9	24,858	23,174	22,830	25,427	136,277	139,355	-2.2
Farm machinery.....	1,477	1,471	1,558	0.4	-5.6	-1.0	1,566	1,599	1,895	1,531	10,164	9,658	5.2
Construction machinery.....	1,721	1,690	1,704	1.8	-0.8	10.9	1,966	1,926	1,915	1,849	10,667	10,831	-1.5
Mining, oil field, and gas field machinery.....	784	797	801	-1.6	-0.5	-0.6	846	773	772	811	4,700	4,438	5.9
Industrial machinery.....	3,651	3,442	3,103	6.1	10.9	-6.0	4,144	3,281	3,152	3,360	20,186	18,074	11.7
Photographic equipment.....	1,351	1,392	1,330	-2.9	4.7	-4.8	1,550	1,358	1,257	1,634	7,935	8,035	-1.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,525	2,492	2,434	1.3	2.4	-2.6	3,058	2,709	2,413	3,151	15,241	16,248	-6.2
Metalworking machinery.....	1,648	1,717	1,774	-4.0	-3.2	-1.3	1,832	1,693	1,648	2,357	10,246	11,999	-14.6
Turbines, generators, and other power transmission equipment.....	2,408	2,545	2,654	-5.4	-4.1	3.8	2,654	2,711	2,595	3,760	15,429	18,734	-17.6
Material handling equipment.....	1,321	1,318	1,327	0.2	-0.7	0.5	1,404	1,339	1,347	1,428	8,239	8,546	-3.6
Computers and electronic products ²	27,338	26,660	26,948	2.5	-1.1	3.4	32,082	24,828	23,796	30,324	156,422	155,266	0.7
Computers.....	4,135	4,287	4,815	-3.5	-11.0	28.8	4,755	3,739	4,251	4,564	24,777	22,103	12.1
Computer storage devices.....	1,751	1,154	1,176	51.7	-1.9	2.0	2,382	990	862	1,745	7,533	7,422	1.5
Other peripheral equipment.....	1,650	1,646	1,633	0.2	0.8	22.1	2,130	1,336	1,245	1,720	9,010	8,522	5.7
Nondefense communications equipment.....	5,341	5,027	4,938	6.2	1.8	-5.8	6,620	4,630	4,285	6,360	30,331	32,097	-5.5
Defense communications equipment.....	341	374	366	-8.8	2.2	8.6	346	410	357	304	2,086	1,887	10.5
Audio and video equipment.....	676	680	675	-0.6	0.7	4.5	651	598	543	718	3,704	4,122	-10.1
Semiconductors ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	3,752	3,725	3,599	0.7	3.5	-1.5	4,014	3,695	3,413	4,427	21,908	24,851	-11.8
Nondefense search and navigation equipment.....	776	784	836	-1.0	-6.2	15.5	846	777	768	838	4,509	4,470	0.9
Defense search and navigation equipment.....	2,099	2,233	2,310	-6.0	-3.3	5.3	2,269	2,153	2,238	2,150	12,912	11,510	12.2
Electromedical, measuring, and control instruments.....	6,192	6,147	6,027	0.7	2.0	-6.8	7,464	5,955	5,354	6,890	36,482	34,492	5.8
Electrical equipment, appliances, and components.....	8,666	8,573	8,600	1.1	-0.3	-0.5	9,502	8,691	8,396	9,792	51,781	54,116	-4.3
Electric lighting equipment.....	1,093	1,086	1,074	0.6	1.1	-1.1	1,178	1,072	990	1,162	6,476	6,430	0.7
Household appliances.....	2,104	2,035	2,046	3.4	-0.5	0.0	2,306	2,117	2,052	2,140	12,220	12,548	0.5
Electrical equipment.....	2,491	2,473	2,501	0.7	-1.1	0.2	2,802	2,443	2,326	2,945	14,880	15,547	-4.3
Batteries.....	477	448	471	6.5	-4.9	-2.5	540	422	427	555	2,645	3,032	-12.8
Transportation equipment.....	50,868	49,478	49,506	2.8	-0.1	-3.2	55,313	52,759	49,358	55,707	312,810	321,103	-2.6
Automobiles.....	7,539	7,492	7,466	0.6	0.3	-4.2	8,049	8,325	7,572	8,397	48,459	50,387	-3.8
Light trucks and utility vehicles.....	9,788	9,543	9,509	2.6	0.4	-6.1	10,662	10,618	9,558	10,782	62,769	63,091	-0.5
Heavy duty trucks.....	1,173	1,126	1,085	4.2	3.8	-0.8	1,314	1,182	1,111	1,324	6,664	6,614	0.8
Motor vehicle bodies, parts, and trailers.....	17,373	17,008	17,229	2.1	-1.3	-2.3	18,384	18,448	18,169	18,885	109,352	114,035	-4.1
Nondefense aircraft and parts.....	6,166	5,440	5,301	13.3	2.6	-11.4	7,116	5,228	4,838	7,023	33,828	40,412	-16.3
Defense aircraft and parts.....	3,390	3,221	3,360	5.2	-4.1	1.8	3,945	3,139	2,899	3,650	19,053	16,645	14.5
Ships and boats.....	2,154	2,173	2,022	-0.9	7.5	2.4	2,194	2,329	2,031	1,759	12,667	10,586	19.7
Furniture and related products.....	5,568	5,598	5,369	-0.5	4.3	0.5	5,665	5,485	5,278	5,683	32,679	33,490	-2.4
Miscellaneous durable goods.....	10,608	10,517	10,553	0.9	-0.3	-1.5	11,373	10,414	10,216	10,610	62,587	59,001	6.1
Nondurable goods industries.....	152,542	151,489	150,552	0.7	0.6	-3.7	156,997	153,985	149,952	151,321	909,609	869,012	4.7
Food products.....	38,534	38,038	38,024	1.3	0.0	1.1	38,520	37,671	37,028	37,047	224,071	222,569	0.7
Grain and oilseed milling.....	4,097	4,223	4,160	-3.0	1.5	0.4	3,944	4,303	4,019	3,963	24,660	24,249	1.7
Dairy products.....	5,428	5,375	5,387	1.0	-0.2	2.3	5,645	5,513	5,288	5,264	31,879	31,614	0.8
Meat, poultry, and seafood products.....	11,321	10,905	10,753	3.8	1.4	-0.3	11,506	11,236	10,790	11,040	65,872	66,682	-1.2
Beverage and tobacco products.....	8,838	8,818	8,778	0.2	0.5	-3.4	9,351	9,381	8,775	9,672	52,280	55,137	-5.2
Beverages.....	5,812	5,803	5,851	0.2	-0.8	-0.1	6,325	6,366	5,848	6,158	34,670	33,726	2.8
Tobacco.....	3,026	3,015	2,927	0.4	3.0	-9.3	3,026	3,015	2,927	3,514	17,610	21,411	-17.8
Textile mills.....	3,101	3,160	3,238	-1.9	-2.4	-2.2	3,336	3,157	3,143	3,835	19,628	21,400	-8.3
Textile products.....	3,038	3,015	3,046	0.8	-1.0	-0.8	3,315	3,100	3,119	3,395	18,233	18,371	-0.8
Apparel.....	4,587	4,492	4,398	2.1	2.1	-4.0	4,505	4,074	4,153	4,588	26,461	27,260	-2.9
Leather and allied products.....	757	761	773	-0.5	-1.6	1.7	737	686	694	719	4,281	3,741	14.4
Paper products.....	13,470	13,333	13,272	1.0	0.5	-1.7	13,777	13,307	13,017	12,511	78,902	73,201	7.8
Pulp, paper, and paperboard mills.....	5,661	5,692	5,716	-0.5	-0.4	-3.7	5,719	5,577	5,617	5,691	33,961	33,778	0.5
Paperboard containers.....	3,831	3,758	3,748	1.9	0.3	-0.8	3,907	3,823	3,748	3,742	22,448	21,680	3.5
Printing.....	7,841	7,918	8,037	-1.0	-1.5	0.8	7,556	7,634	7,797	7,718	45,938	45,986	-0.1
Petroleum and coal products.....	20,046	19,988	18,995	0.3	5.2	-19.4	21,156	21,338	19,301	18,886	123,431	101,199	22.0
Petroleum refineries.....	18,491	18,375	17,375	0.6	5.8	-20.9	19,310	19,580	17,703	17,020	114,398	92,527	23.6
Basic chemicals.....	37,089	36,838	37,053	0.7	-0.6	-1.5	38,817	37,721	37,424	37,608	224,372	210,448	6.6
Pesticides, fertilizers, and other agricultural chemicals.....	1,507	1,482	1,440	1.7	2.9	-4.5	1,807	2,198	2,434	2,141	11,504	12,849	-10.5
Pharmaceuticals and medicines.....	8,732	8,592	8,873	1.6	-3.2	-4.0	8,827	8,446	8,614	9,748	52,642	53,082	-0.8
Paints, coatings, and adhesives.....	2,340	2,335	2,384	0.2	-2.1	0.9	2,541	2,565	2,490	2,596	14,367	14,378	-0.1
Plastics and rubber products.....	15,241	15,128	14,938	0.7	1.3	-2.2	15,927	15,916	15,501	15,342	92,012	89,700	2.6

^p Preliminary^f Revised

NA Not available.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.² See footnote at end of Table 2.³ See footnote at end of Table 2.

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		
	June 2003 ^p	May 2003 ^r	Apr. 2003	May - June	Apr. - May	Mar. - Apr.	June 2003 ^p	May 2003 ^r	Apr. 2003	June 2002	2003 ^p	2002	Percent Change 03/02
All manufacturing industries ²	325,982	320,495	319,428	1.7	0.3	-3.0	343,151	326,468	317,876	327,396	1,952,872	1,904,025	2.6
Excluding transportation ²	274,739	271,542	269,460	1.2	0.8	-2.7	288,600	274,656	267,637	277,950	1,636,412	1,587,882	3.1
Excluding defense ²	316,506	311,934	309,109	1.5	0.9	-2.7	333,916	318,366	307,695	320,241	1,893,002	1,855,839	2.0
With unfilled orders ²	120,657	117,588	117,532	2.6	0.0	-2.8	128,286	118,639	116,605	120,112	726,126	720,609	0.8
Durable goods industries ²	173,440	169,006	168,876	2.6	0.1	-2.4	186,154	172,483	167,924	176,075	1,043,263	1,035,013	0.8
Primary metals	10,817	10,567	10,571	2.4	0.0	2.0	11,249	10,926	10,860	11,404	66,466	68,251	-2.6
Iron and steel mills	5,060	5,013	4,954	0.9	1.2	6.4	5,375	5,205	5,077	5,401	31,077	32,078	-3.1
Aluminum and nonferrous metals	4,521	4,312	4,362	4.8	-1.1	-1.8	4,588	4,439	4,479	4,661	27,548	28,073	-1.9
Ferrous metal foundries	1,236	1,242	1,255	-0.5	-1.0	-0.7	1,286	1,282	1,304	1,342	7,841	8,100	-3.2
Fabricated metal products	20,073	20,278	19,603	-1.0	3.4	-3.9	20,814	21,248	19,780	21,230	121,915	125,624	-3.0
Machinery	22,225	21,373	21,488	4.0	-0.5	-5.5	23,755	22,111	22,853	22,570	135,920	133,867	1.5
Construction machinery	1,640	1,764	1,737	-7.0	1.6	12.3	1,746	1,959	2,024	1,703	10,640	10,879	-2.2
Mining, oil field, and gas field machinery	824	764	788	7.9	-3.0	-1.7	886	740	759	667	4,611	4,373	5.4
Industrial machinery	3,562	3,180	2,750	12.0	15.6	-29.5	3,684	3,107	3,120	2,719	20,636	18,410	12.1
Photographic equipment	1,418	1,395	1,333	1.6	4.7	-9.7	1,575	1,342	1,282	1,556	8,248	8,150	1.2
Ventilation, heating, air-conditioning, and refrigeration equipment	2,472	2,474	2,485	-0.1	-0.4	-1.2	2,858	2,750	2,605	2,876	15,505	16,498	-6.0
Metalworking machinery	1,753	1,699	1,695	3.2	0.2	-3.1	1,884	1,680	1,590	2,205	10,274	11,778	-12.8
Turbines, generators, and other power transmission equipment	2,197	2,146	2,380	2.4	-9.8	15.8	2,430	2,277	2,298	2,704	13,603	13,412	1.4
Material handling equipment	1,244	1,258	1,383	-1.1	-9.0	-4.9	1,324	1,140	1,358	1,425	8,174	8,138	0.4
Computers and electronic products ²	28,177	27,473	27,053	2.6	1.6	0.9	31,896	25,330	24,149	28,814	161,330	153,536	5.1
Computers	4,398	4,821	4,790	-8.8	0.6	22.6	4,849	4,708	4,038	4,195	25,539	21,993	16.1
Nondefense communications equipment	5,140	5,409	5,768	-5.0	-6.2	-4.2	5,630	4,999	5,359	5,084	34,168	31,477	8.5
Defense communications equipment	374	363	337	3.0	7.7	-8.9	379	399	328	368	2,254	1,807	24.7
Semiconductors ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components	3,580	3,847	2,716	-6.9	41.6	-10.5	3,921	3,600	2,482	4,510	19,886	24,617	-19.2
Nondefense search and navigation equipment	773	855	835	-9.6	2.4	12.1	835	895	711	777	4,692	4,316	8.7
Defense search and navigation equipment	2,256	1,977	2,684	14.1	-26.3	16.9	2,519	1,353	2,746	2,306	13,792	10,629	29.8
Electromedical, measuring, and control instruments	6,954	6,118	5,866	13.7	4.3	-12.9	7,995	5,907	5,355	6,783	37,582	34,841	7.9
Electrical equipment, appliances, and components	8,781	8,494	8,631	3.4	-1.6	-2.4	9,379	8,509	8,385	9,758	51,797	54,035	-4.1
Electric lighting equipment	1,107	1,039	970	6.5	7.1	-9.9	1,208	1,066	900	1,147	6,491	6,527	-0.6
Household appliances	2,070	1,981	2,400	4.5	-17.5	14.5	2,141	1,995	2,332	2,040	12,282	11,833	3.8
Electrical equipment	2,614	2,528	2,541	3.4	-0.5	-5.3	2,827	2,503	2,393	3,049	15,232	15,611	-2.4
Transportation equipment	51,243	48,953	49,968	4.7	-2.0	-4.7	54,551	51,812	50,239	49,446	316,460	316,143	0.1
Motor vehicle bodies, parts, and trailers	17,312	16,812	17,138	3.0	-1.9	-2.1	18,112	17,961	17,941	18,712	108,905	114,397	-4.8
Nondefense aircraft and parts	5,762	4,760	4,507	21.1	5.6	51.2	7,061	4,252	4,192	3,415	28,447	30,457	-6.6
Defense aircraft and parts	3,916	3,748	4,601	4.5	-18.5	-21.0	3,671	4,504	4,707	2,493	25,038	20,930	19.6
Ships and boats	2,114	1,970	1,675	7.3	17.6	-4.2	2,020	1,898	1,752	1,524	11,249	11,705	-3.9
Furniture and related products	5,655	5,625	5,501	0.5	2.3	3.0	5,745	5,591	5,576	5,472	33,186	33,356	-0.5
Nondurable goods industries	152,542	151,489	150,552	0.7	0.6	-3.7	156,997	153,985	149,952	151,321	909,609	869,012	4.7

^p Preliminary^r Revised

NA Not available.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.² Aggregate estimates and percent changes exclude semiconductor industry data. Due to the number of large semiconductor manufacturers choosing not to participate in this voluntary monthly survey, the Census Bureau cannot currently produce monthly estimates of semiconductor shipments, orders, or inventories.³ Due to the number of large semiconductor manufacturers choosing not to participate in this voluntary monthly survey, the Census Bureau cannot currently produce monthly estimates of semiconductor shipments, orders, or inventories.

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(01), "Manufacturers' Shipments, Inventories, and Orders: 1992-2001."

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 June 03/02
	June 2003 ^p	May 2003 ^r	Apr. 2003	May - June	Apr. - May	Mar. - Apr.	June 2003 ^p	May 2003 ^r	Apr. 2003	June 2002	
All manufacturing industries ¹	478,115	476,744	477,402	0.3	-0.1	-0.1	481,185	483,430	484,810	489,548	-1.7
Excluding transportation ¹	230,296	229,300	229,433	0.4	-0.1	-0.5	231,071	232,554	232,987	240,877	-4.1
Excluding defense ¹	327,846	327,308	327,828	0.2	-0.2	-0.6	328,478	330,374	331,237	345,739	-5.0
Durable goods industries ¹	478,115	476,744	477,402	0.3	-0.1	-0.1	481,185	483,430	484,810	489,548	-1.7
Primary metals.....	14,027	13,807	13,902	1.6	-0.7	-1.1	14,253	14,074	14,335	16,405	-13.1
Iron and steel mills.....	7,467	7,347	7,309	1.6	0.5	-1.7	7,710	7,565	7,556	9,220	-16.4
Aluminum and nonferrous metals.....	4,364	4,265	4,393	2.3	-2.9	-0.5	4,361	4,302	4,511	4,947	-11.8
Ferrous metal foundries.....	2,196	2,195	2,200	0.0	-0.2	-0.1	2,182	2,207	2,268	2,238	-2.5
Fabricated metal products.....	36,445	36,473	36,448	-0.1	0.1	-1.5	36,665	36,928	36,519	39,826	-7.9
Machinery.....	43,394	43,564	44,444	-0.4	-2.0	-1.2	43,257	44,360	45,423	47,926	-9.7
Construction machinery.....	1,978	2,059	1,985	-3.9	3.7	1.7	1,997	2,217	2,184	2,191	-8.9
Mining, oil field, and gas field machinery.....	930	890	923	4.5	-3.6	-1.4	930	890	923	1,134	-18.0
Industrial machinery.....	9,182	9,271	9,533	-1.0	-2.7	-3.6	9,071	9,531	9,705	8,895	2.0
Photographic equipment.....	1,306	1,239	1,236	5.4	0.2	0.2	1,290	1,265	1,281	931	38.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,261	4,314	4,332	-1.2	-0.4	1.2	4,348	4,548	4,507	4,607	-5.6
Metalworking machinery.....	3,701	3,596	3,614	2.9	-0.5	-2.1	3,706	3,654	3,667	3,628	2.1
Turbines, generators, and other power transmission equipment.....	7,768	7,979	8,378	-2.6	-4.8	-3.2	7,681	7,905	8,339	12,903	-40.5
Material handling equipment.....	4,964	5,041	5,101	-1.5	-1.2	1.1	4,974	5,054	5,253	4,956	0.4
Computers and electronic products ¹	111,688	110,849	110,036	0.8	0.7	0.1	112,305	112,491	111,989	112,221	0.1
Computers.....	8,331	8,068	7,534	3.3	7.1	-0.3	8,465	8,371	7,402	6,694	26.5
Nondefense communications equipment.....	38,780	38,981	38,599	-0.5	1.0	2.2	39,034	40,024	39,655	39,068	-0.1
Defense communications equipment.....	2,641	2,608	2,619	1.3	-0.4	-1.1	2,641	2,608	2,619	2,485	6.3
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	12,274	12,446	12,324	-1.4	1.0	-6.7	12,100	12,193	12,288	16,082	-24.8
Nondefense search and navigation equipment.....	4,176	4,179	4,108	-0.1	1.7	0.0	4,258	4,269	4,151	4,271	-0.3
Defense search and navigation equipment.....	31,123	30,966	31,222	0.5	-0.8	1.2	31,537	31,287	32,087	30,799	2.4
Electromedical, measuring, and control instruments.....	14,363	13,601	13,630	5.6	-0.2	-1.2	14,270	13,739	13,787	12,822	11.3
Electrical equipment, appliances, and components.....	14,456	14,341	14,420	0.8	-0.5	0.2	14,215	14,338	14,520	14,795	-3.9
Electric lighting equipment.....	1,494	1,480	1,527	0.9	-3.1	-6.4	1,534	1,504	1,510	1,483	3.4
Household appliances.....	1,217	1,251	1,305	-2.7	-4.1	37.2	1,032	1,197	1,319	954	8.2
Electrical equipment.....	8,585	8,462	8,407	1.5	0.7	0.5	8,543	8,518	8,458	9,001	-5.1
Transportation equipment.....	247,819	247,444	247,969	0.2	-0.2	0.2	250,114	250,876	251,823	248,671	0.6
Motor vehicle bodies, parts, and trailers.....	11,915	11,976	12,172	-0.5	-1.6	-0.7	11,796	12,068	12,555	12,555	-6.0
Nondefense aircraft and parts.....	106,219	106,623	107,303	-0.4	-0.6	-0.7	106,609	106,664	107,640	113,388	-6.0
Defense aircraft and parts.....	60,433	59,907	59,380	0.9	0.9	2.1	62,284	62,558	61,193	55,568	12.1
Ships and boats.....	19,578	19,618	19,821	-0.2	-1.0	-1.7	19,579	19,753	20,184	21,691	-9.7
Furniture and related products.....	5,432	5,345	5,318	1.6	0.5	2.5	5,522	5,442	5,336	5,874	-6.0

^p Preliminary^r Revised

NA Not available.

¹ Aggregate estimates and percent changes exclude semiconductor industry data. Due to the number of large semiconductor manufacturers choosing not to participate in this voluntary monthly survey, the Census Bureau cannot currently produce monthly estimates of semiconductor shipments, orders, or inventories.

² Due to the number of large semiconductor manufacturers choosing not to participate in this voluntary monthly survey, the Census Bureau cannot currently produce monthly estimates of semiconductor shipments, orders, or inventories.

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 June 03/02
	June 2003 ^p	May 2003 ^r	Apr. 2003	May - June	Apr. - May	Mar. - Apr.	June 2003 ^p	May 2003 ^r	Apr. 2003	June 2002	
All manufacturing industries ¹	430,508	431,356	432,257	-0.2	-0.2	-0.1	427,426	433,720	433,299	425,000	0.6
Excluding transportation ¹	357,525	357,724	358,703	-0.1	-0.3	-0.2	355,294	359,990	360,052	353,680	0.5
Excluding defense ¹	406,509	407,687	408,309	-0.3	-0.2	-0.1	403,356	410,096	409,448	402,673	0.2
With unfilled orders ¹	211,709	212,892	213,565	-0.6	-0.3	-0.2	210,051	214,339	214,033	214,744	-2.2
Durable goods industries ¹	260,803	262,337	263,209	-0.6	-0.3	-0.1	258,773	264,296	263,896	263,471	-1.8
Wood products.....	9,004	9,143	9,309	-1.5	-1.8	-0.3	8,819	9,042	9,258	9,220	-4.3
Nonmetallic mineral products.....	9,398	9,392	9,282	0.1	1.2	0.5	9,478	9,555	9,465	8,919	6.3
Primary metals.....	18,814	18,784	18,931	0.2	-0.8	-0.6	18,555	18,570	18,775	18,106	2.5
Iron and steel mills.....	10,991	11,025	11,083	-0.3	-0.5	-0.9	10,737	10,801	10,876	10,028	7.1
Aluminum and nonferrous metals.....	6,053	6,001	6,057	0.9	-0.9	0.0	6,030	5,969	6,040	6,248	-3.5
Ferrous metal foundries.....	1,770	1,758	1,791	0.7	-1.8	-0.7	1,788	1,800	1,859	1,830	-2.3
Fabricated metal products.....	30,384	30,527	30,490	-0.5	0.1	-0.8	30,438	30,755	30,772	30,624	-0.6
Machinery.....	43,403	43,529	43,658	-0.3	-0.3	0.1	42,892	43,836	44,005	44,581	-3.8
Farm machinery.....	2,082	2,088	2,089	-0.3	0.0	-1.3	2,051	2,088	2,115	1,967	4.3
Construction machinery.....	3,623	3,646	3,683	-0.6	-1.0	-0.4	3,583	3,638	3,736	3,855	-7.1
Mining, oil field, and gas field machinery.....	2,208	2,194	2,185	0.6	0.4	0.6	2,236	2,226	2,196	2,245	-0.4
Industrial machinery.....	7,143	7,193	7,292	-0.7	-1.4	-0.8	7,116	7,329	7,269	7,769	-8.4
Photographic equipment.....	1,981	1,982	1,992	-0.1	-0.5	0.6	1,966	2,035	2,025	1,931	1.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,248	4,241	4,241	0.2	0.0	0.0	4,221	4,373	4,416	4,064	3.9
Metalworking machinery.....	4,989	4,927	4,891	1.3	0.7	0.5	4,913	4,961	4,928	5,144	-4.5
Turbines, generators, and other power transmission equipment.....	4,447	4,406	4,428	0.9	-0.5	-1.7	4,339	4,403	4,405	4,762	-8.9
Material handling equipment.....	2,518	2,498	2,444	0.8	2.2	-0.4	2,516	2,530	2,471	2,627	-4.2
Computers and electronic products ¹	39,118	39,518	40,162	-1.0	-1.6	-0.9	38,698	40,351	40,200	42,734	-9.4
Computers.....	3,232	3,084	2,973	4.8	3.7	-4.6	3,172	3,244	2,967	3,052	3.9
Computer storage devices.....	1,161	1,171	1,172	-0.9	-0.1	0.9	1,112	1,316	1,229	1,261	-11.8
Other peripheral equipment.....	2,436	2,458	2,529	-0.9	-2.8	-3.1	2,367	2,529	2,538	2,586	-8.5
Nondefense communications equipment.....	6,742	6,976	7,100	-3.4	-1.7	-2.1	6,629	7,149	7,079	9,162	-27.6
Defense communications equipment.....	872	858	891	1.6	-3.7	1.8	872	858	891	755	15.5
Audio and video equipment.....	972	1,012	1,124	-4.0	-10.0	1.4	957	973	1,027	1,095	-12.6
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	8,265	8,414	8,497	-1.8	-1.0	-0.2	8,285	8,578	8,524	8,873	-6.6
Nondefense search and navigation equipment.....	2,932	2,884	2,885	1.7	0.0	-3.5	2,896	2,909	2,941	2,956	-2.0
Defense search and navigation equipment.....	3,148	3,214	3,560	-2.1	-9.7	9.2	3,153	3,247	3,580	3,420	-7.8
Electromedical, measuring and control instruments.....	8,977	9,049	9,015	-0.8	0.4	-2.0	8,876	9,149	9,024	9,194	-3.5
Electrical equipment, appliances, and components.....	12,273	12,338	12,356	-0.5	-0.1	-0.2	12,222	12,686	12,665	12,980	-5.8
Electric lighting equipment.....	1,444	1,454	1,457	-0.7	-0.2	-1.7	1,455	1,484	1,463	1,492	-2.5
Household appliances.....	2,062	2,083	2,106	-1.0	-1.1	0.8	2,078	2,220	2,238	2,186	-4.9
Electrical equipment.....	4,292	4,291	4,254	0.0	0.9	-0.1	4,174	4,334	4,322	4,347	-4.0
Batteries.....	616	637	633	-3.3	0.6	0.8	632	666	631	730	-13.4
Transportation equipment.....	72,983	73,632	73,554	-0.9	0.1	0.6	72,132	73,730	73,247	71,320	1.1
Automobiles.....	1,685	1,699	1,681	-0.8	1.1	4.9	1,629	1,751	1,725	1,666	-2.2
Light trucks and utility vehicles.....	1,952	1,932	1,961	1.0	-1.5	-2.2	1,947	1,984	1,990	1,960	-0.7
Heavy duty trucks.....	762	778	801	-2.1	-2.9	3.2	744	775	774	864	-13.9
Motor vehicle bodies, parts, and trailers.....	16,035	16,178	16,242	-0.9	-0.4	-0.3	15,847	16,054	16,203	15,627	1.4
Nondefense aircraft and parts.....	29,107	29,927	29,700	-2.7	0.8	1.3	28,555	30,037	29,438	29,442	-3.0
Defense aircraft and parts.....	11,947	11,806	11,784	1.2	0.2	1.4	11,973	11,680	11,642	10,796	10.9
Ships and boats.....	3,003	2,860	2,871	5.0	-0.4	-4.1	3,019	2,880	2,880	2,584	16.8
Furniture and related products.....	7,086	7,080	7,106	0.1	-0.4	0.3	7,210	7,170	7,079	7,145	0.9
Miscellaneous durable goods.....	18,340	18,394	18,361	-0.3	0.2	-0.4	18,329	18,601	18,430	17,842	2.7
Nondurable goods industries.....	169,705	169,019	169,048	0.4	0.0	0.0	168,653	169,424	169,403	161,529	4.4
Food products.....	32,676	32,686	32,464	0.0	0.7	-0.9	31,491	31,792	31,623	30,593	2.9
Grain and oilseed milling.....	3,549	3,513	3,510	1.0	0.1	-0.2	3,325	3,249	3,437	3,083	7.8
Dairy products.....	3,460	3,498	3,482	-1.1	0.5	-1.1	3,566	3,643	3,591	3,551	0.4
Meat, poultry, and seafood products.....	6,311	6,365	6,298	-0.8	1.1	0.2	6,261	6,403	6,338	5,990	4.5
Beverage and tobacco products.....	14,461	14,294	14,329	1.2	-0.2	1.4	14,060	14,024	14,289	14,011	0.3
Beverages.....	9,504	9,336	9,356	1.8	-0.2	2.1	9,422	9,287	9,387	9,057	4.0
Tobacco.....	4,957	4,958	4,973	0.0	-0.3	0.1	4,638	4,737	4,902	4,954	-6.4
Textile mills.....	5,080	5,085	5,057	-0.1	0.6	0.7	5,116	5,245	5,179	5,067	1.0
Textile products.....	4,599	4,615	4,617	-0.3	0.0	0.4	4,686	4,745	4,705	4,564	2.7
Apparel.....	7,769	7,757	7,715	0.2	0.5	0.4	8,105	7,891	7,673	7,742	4.7
Leather and allied products.....	1,624	1,618	1,597	0.4	1.3	-0.4	1,641	1,628	1,568	1,451	13.1
Paper products.....	14,835	14,807	14,751	0.2	0.4	0.4	14,811	14,895	14,909	14,426	2.7
Pulp, paper, and paperboard mills.....	6,356	6,343	6,276	0.2	1.1	0.5	6,402	6,426	6,352	6,434	-0.5
Paperboard containers.....	4,233	4,217	4,220	0.4	-0.1	0.6	4,179	4,192	4,222	3,959	5.6
Printing.....	5,765	5,851	5,853	-1.5	0.0	-0.6	5,784	5,739	5,746	5,927	-2.4
Petroleum and coal products.....	13,578	13,272	13,979	2.3	-5.1	-1.0	13,906	13,804	14,331	13,070	6.4
Petroleum refineries.....	12,042	11,720	12,466	2.7	-6.0	-1.3	12,288	12,170	12,777	11,604	5.9
Basic chemicals.....	50,637	50,433	50,217	0.4	0.4	-0.2	50,350	50,817	50,579	48,129	4.6
Pesticides, fertilizers, and other agricultural chemicals.....	2,256	2,262	2,266	-0.3	-0.2	0.7	2,018	2,250	2,452	2,093	-3.6
Pharmaceuticals and medicines.....	18,717	18,401	18,178	1.7	1.2	-0.8	18,718	18,486	18,206	17,203	8.8
Paints, coatings, and adhesives.....	2,978	2,989	2,997	-0.4	-0.3	0.7	3,017	3,040	3,061	2,937	2.7
Plastics and rubber products.....	18,681	18,601	18,469	0.4	0.7	1.6	18,703	18,844	18,801	16,549	13.0

^p Preliminary^r Revised

NA Not available.

¹ See footnote at end of Table 3.² See footnote at end of Table 3.

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 2003/ 2002
	Monthly			Percent Change			Monthly			Year to date			
	June 2003 ^p	May 2003 ^f	Apr. 2003	May - June	Apr. - May	Mar. - Apr.	June 2003 ^p	May 2003 ^f	Apr. 2003	June 2002	2003 ^p	2002	
SHIPMENTS													
All manufacturing industries ⁵	324,611	321,153	320,061	1.1	0.3	-2.3	345,396	327,848	317,067	339,333	1,944,092	1,916,435	1.4
Construction materials and supplies.....	35,482	35,347	35,273	0.4	0.2	-1.2	38,715	37,032	35,581	38,844	211,858	211,370	0.2
Information technology.....	27,438	26,858	27,187	2.2	-1.2	3.3	32,294	25,128	24,241	30,511	158,009	155,399	1.7
Computers and related products.....	7,536	7,087	7,624	6.3	-7.0	22.4	9,267	6,065	6,358	8,029	41,320	38,047	8.6
Motor vehicle and parts.....	35,873	35,169	35,289	2.0	-0.3	-3.7	38,409	38,573	36,410	39,388	227,244	234,127	-2.9
Capital goods.....	64,717	63,255	63,300	2.3	-0.1	0.6	73,328	62,310	59,930	71,213	378,941	377,925	0.3
Nondefense capital goods ³	57,489	55,904	55,847	2.8	0.1	0.2	65,510	54,993	52,917	63,919	335,915	339,990	-1.2
Excluding aircraft.....	54,455	53,560	53,772	1.7	-0.4	1.3	61,822	52,544	51,105	60,357	320,640	318,820	0.6
Defense capital goods ⁴	7,228	7,351	7,453	-1.7	-1.4	3.8	7,818	7,317	7,013	7,294	43,026	37,935	13.4
Consumer goods.....	125,844	124,549	123,358	1.0	1.0	-4.8	129,841	127,443	122,185	126,240	754,407	731,706	3.1
Consumer durable goods.....	32,770	32,397	32,068	1.2	1.0	-2.8	34,939	34,516	32,314	34,837	202,663	204,996	-1.1
Consumer nondurable goods.....	93,074	92,152	91,290	1.0	0.9	-5.5	94,902	92,927	89,871	91,403	551,744	526,710	4.8
NEW ORDERS													
All manufacturing industries ⁵	325,982	320,495	319,428	1.7	0.3	-3.0	343,151	326,468	317,876	327,396	1,952,872	1,904,025	2.6
Construction materials and supplies.....	35,397	35,259	34,729	0.4	1.5	-2.4	38,366	37,434	35,345	38,028	211,733	212,436	-0.3
Information technology.....	28,528	27,519	27,919	3.7	-1.4	0.6	32,213	25,595	25,282	28,817	164,839	154,101	7.0
Computers and related products.....	7,799	7,621	7,599	2.3	0.3	18.8	9,361	7,034	6,145	7,660	42,082	37,937	10.9
Motor vehicle and parts.....	35,812	34,973	35,198	2.4	-0.6	-3.6	38,137	38,086	36,182	39,215	226,797	234,489	-3.3
Capital goods.....	66,131	63,118	64,806	4.8	-2.6	-2.8	71,722	62,170	62,448	62,400	390,243	362,715	7.6
Nondefense capital goods ³	57,797	55,978	55,793	3.2	0.3	-0.1	63,827	55,339	53,617	56,698	338,540	323,279	4.7
Excluding aircraft.....	55,352	54,402	54,027	1.7	0.7	-2.8	60,728	53,658	52,114	55,802	328,212	312,676	5.0
Defense capital goods ⁴	8,334	7,140	9,013	16.7	-20.8	-17.0	7,895	6,831	8,831	5,702	51,703	39,436	31.1
Consumer goods.....	125,732	124,436	123,682	1.0	0.6	-4.2	129,438	127,257	122,521	125,660	754,368	730,622	3.3
Consumer durable goods.....	32,658	32,284	32,392	1.2	-0.3	-0.5	34,536	34,330	32,650	34,257	202,624	203,912	-0.6
Consumer nondurable goods.....	93,074	92,152	91,290	1.0	0.9	-5.5	94,902	92,927	89,871	91,403	551,744	526,710	4.8
UNFILLED ORDERS													
All manufacturing industries ⁵	478,115	476,744	477,402	0.3	-0.1	-0.1	481,185	483,430	484,810	489,548	(X)	(X)	-1.7
Construction materials and supplies.....	30,581	30,666	30,754	-0.3	-0.3	-1.7	30,899	31,248	30,846	32,809	(X)	(X)	-5.8
Information technology.....	103,880	102,790	102,129	1.1	0.6	0.7	104,601	104,682	104,215	100,427	(X)	(X)	4.2
Computers and related products.....	8,331	8,068	7,534	3.3	7.1	-0.3	8,465	8,371	7,402	6,694	(X)	(X)	26.5
Motor vehicle and parts.....	11,915	11,976	12,172	-0.5	-1.6	-0.7	11,796	12,068	12,555	12,555	(X)	(X)	-6.0
Capital goods.....	340,839	339,425	339,562	0.4	0.0	0.4	342,959	344,565	344,705	340,228	(X)	(X)	0.8
Nondefense capital goods ³	209,668	209,360	209,286	0.1	0.0	0.0	210,037	211,720	211,374	214,077	(X)	(X)	-1.9
Excluding aircraft.....	129,400	128,503	127,661	0.7	0.7	0.2	129,769	130,863	129,749	130,763	(X)	(X)	-0.8
Defense capital goods ⁴	131,171	130,065	130,276	0.9	-0.2	1.2	132,922	132,845	133,331	126,151	(X)	(X)	5.4
Consumer goods.....	12,000	12,112	12,225	-0.9	-0.9	2.7	11,713	12,116	12,302	12,073	(X)	(X)	-3.0
Consumer durable goods.....	12,000	12,112	12,225	-0.9	-0.9	2.7	11,713	12,116	12,302	12,073	(X)	(X)	-3.0
TOTAL INVENTORIES													
All manufacturing industries ⁵	430,508	431,356	432,257	-0.2	-0.2	-0.1	427,426	433,720	433,299	425,000	(X)	(X)	0.6
Construction materials and supplies.....	45,676	45,933	46,051	-0.6	-0.3	-0.4	45,544	46,307	46,551	44,861	(X)	(X)	1.5
Information technology.....	36,693	36,959	37,563	-0.7	-1.6	-0.9	36,262	37,790	37,712	40,017	(X)	(X)	-9.4
Computers and related products.....	6,829	6,713	6,674	1.7	0.6	-3.1	6,651	7,089	6,734	6,899	(X)	(X)	-3.6
Motor vehicle and parts.....	20,434	20,587	20,685	-0.7	-0.5	0.0	20,167	20,564	20,692	20,117	(X)	(X)	0.2
Capital goods.....	127,879	128,408	128,625	-0.4	-0.2	-0.5	126,544	129,633	128,966	132,931	(X)	(X)	-4.8
Nondefense capital goods ³	108,141	109,151	109,328	-0.9	-0.2	-0.8	106,791	110,303	109,594	114,145	(X)	(X)	-6.4
Excluding aircraft.....	86,372	86,610	86,798	-0.3	-0.2	-1.1	85,535	87,922	87,355	91,046	(X)	(X)	-6.1
Defense capital goods ⁴	19,738	19,257	19,297	2.5	-0.2	1.2	19,753	19,330	19,372	18,786	(X)	(X)	5.1
Consumer goods.....	129,538	128,915	129,347	0.5	-0.3	0.0	128,619	129,023	129,054	124,504	(X)	(X)	3.3
Consumer durable goods.....	26,296	26,492	26,734	-0.7	-0.9	1.2	26,222	26,843	26,830	26,243	(X)	(X)	-0.1
Consumer nondurable goods.....	103,242	102,423	102,613	0.8	-0.2	-0.3	102,397	102,180	102,224	98,261	(X)	(X)	4.2

^p Preliminary ^f 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 Aggregate estimates and percent changes exclude semiconductor industry data. Due to the number of large semiconductor manufacturers choosing not to participate in this voluntary monthly survey, the Census Bureau cannot currently produce monthly estimates of semiconductor shipments, orders, or inventories.

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

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

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 June 03/02
	June 2003 ^p	May 2003 ^r	Apr. 2003	May - June	Apr. - May	Mar. - Apr.	June 2003 ^p	May 2003 ^r	Apr. 2003	June 2002	
MATERIALS AND SUPPLIES											
All manufacturing industries ¹	136,462	137,531	138,167	-0.8	-0.5	-0.1	135,144	137,206	137,317	139,465	-3.1
Durable goods industries ¹	80,698	81,238	81,605	-0.7	-0.4	-0.6	79,482	80,692	80,628	84,409	-5.8
Wood products.....	3,460	3,500	3,559	-1.1	-1.7	1.5	3,212	3,189	3,245	3,356	-4.3
Nonmetallic mineral products.....	3,265	3,297	3,225	-1.0	2.2	-1.3	3,250	3,273	3,183	3,276	-0.8
Primary metals.....	6,124	6,186	6,195	-1.0	-0.1	-2.0	5,967	5,960	5,970	5,883	1.4
Fabricated metal products.....	10,455	10,585	10,597	-1.2	-0.1	-0.9	10,463	10,578	10,571	10,514	-0.5
Machinery.....	13,935	13,960	13,927	-0.2	0.2	-0.6	13,711	13,908	13,948	15,094	-9.2
Computers and electronic products ¹	13,652	13,968	14,200	-2.3	-1.6	-1.0	13,566	14,183	13,923	15,823	-14.3
Electrical equipment, appliances, and components.....	4,350	4,366	4,371	-0.4	-0.1	-0.3	4,289	4,400	4,403	4,564	-6.0
Transportation equipment.....	16,495	16,409	16,561	0.5	-0.9	-0.5	16,059	16,146	16,405	16,562	-3.0
Furniture and related products.....	2,953	2,973	2,919	-0.7	1.8	-0.2	2,967	3,002	2,920	3,110	-4.6
Miscellaneous products.....	6,009	5,994	6,051	0.3	-0.9	0.2	5,998	6,053	6,060	6,227	-3.7
Nondurable goods industries.....	55,764	56,293	56,562	-0.9	-0.5	0.6	55,662	56,514	56,689	55,056	1.1
Food products.....	9,952	10,093	10,115	-1.4	-0.2	-0.5	9,891	10,114	10,075	10,116	-2.2
Beverage and tobacco products.....	5,586	5,584	5,609	0.0	-0.4	0.0	5,435	5,546	5,644	5,694	-4.5
Textiles.....	1,343	1,416	1,486	-5.2	-4.7	3.6	1,315	1,429	1,511	1,417	-7.2
Textile products.....	1,513	1,563	1,594	-3.2	-1.9	4.7	1,537	1,594	1,605	1,518	1.3
Apparel.....	1,601	1,638	1,636	-2.3	0.1	0.3	1,621	1,689	1,684	1,735	-6.6
Leather and allied products.....	359	351	350	2.3	0.3	0.6	366	353	348	326	12.3
Paper products.....	7,142	7,103	7,086	0.5	0.2	0.0	7,072	7,042	7,107	6,866	3.0
Printing.....	2,377	2,422	2,370	-1.9	2.2	2.9	2,376	2,343	2,268	2,429	-2.2
Petroleum and coal products.....	3,546	3,612	3,622	-1.8	-0.3	9.4	3,701	3,801	3,740	3,266	13.3
Basic chemicals.....	15,437	15,436	15,568	0.0	-0.8	-1.2	15,466	15,464	15,568	15,049	2.8
Plastics and rubber products.....	6,908	7,075	7,126	-2.4	-0.7	1.3	6,882	7,139	7,139	6,640	3.6
WORK IN PROCESS											
All manufacturing industries ¹	129,110	129,933	130,262	-0.6	-0.3	0.3	127,841	130,704	130,448	126,701	0.9
Durable goods industries ¹	99,501	100,791	100,915	-1.3	-0.1	0.8	98,760	101,802	101,245	98,874	-0.1
Wood products.....	1,901	1,932	1,952	-1.6	-1.0	-1.6	1,899	1,943	1,962	2,066	-8.1
Nonmetallic mineral products.....	1,134	1,139	1,152	-0.4	-1.1	-2.5	1,145	1,173	1,198	1,156	-1.0
Primary metals.....	6,356	6,372	6,427	-0.3	-0.9	0.6	6,337	6,354	6,401	6,183	2.5
Fabricated metal products.....	9,664	9,678	9,669	-0.1	0.1	0.3	9,721	9,718	9,651	9,845	-1.3
Machinery.....	13,787	13,824	13,946	-0.3	-0.9	0.7	13,849	14,186	14,084	14,420	-4.0
Computers and electronic products ¹	16,399	16,652	16,840	-1.5	-1.1	0.9	16,250	16,988	17,121	17,453	-6.9
Electrical equipment, appliances, and components.....	2,687	2,722	2,749	-1.3	-1.0	-0.9	2,694	2,805	2,819	2,977	-9.5
Transportation equipment.....	42,613	43,513	43,254	-2.1	0.6	1.7	41,876	43,603	43,060	40,251	4.0
Furniture and related products.....	1,401	1,388	1,454	0.9	-4.5	-0.7	1,408	1,402	1,455	1,484	-5.1
Miscellaneous products.....	3,559	3,571	3,472	-0.3	2.9	-2.9	3,581	3,630	3,494	3,039	17.8
Nondurable goods industries.....	29,609	29,142	29,347	1.6	-0.7	-1.7	29,081	28,902	29,203	27,827	4.5
Food products.....	3,012	3,015	3,017	-0.1	-0.1	2.5	2,745	2,730	2,867	2,366	16.0
Beverage and tobacco products.....	4,056	4,003	3,987	1.3	0.4	0.6	3,709	3,810	3,859	3,532	5.0
Textiles.....	1,207	1,209	1,163	-0.2	4.0	1.7	1,224	1,229	1,179	1,207	1.4
Textile products.....	751	753	752	-0.3	0.1	-3.1	755	773	769	800	-5.6
Apparel.....	1,226	1,212	1,290	1.2	-6.0	-0.8	1,289	1,270	1,306	1,526	-15.5
Leather and allied products.....	115	122	123	-5.7	-0.8	-5.4	112	125	124	160	-30.0
Paper products.....	1,154	1,159	1,176	-0.4	-1.4	-0.4	1,168	1,152	1,168	1,282	-8.9
Printing.....	1,663	1,695	1,719	-1.9	-1.4	-5.1	1,649	1,612	1,705	1,871	-11.9
Petroleum and coal products.....	3,806	3,513	3,913	8.3	-10.2	-10.4	3,834	3,629	4,044	3,788	1.2
Basic chemicals.....	10,112	10,012	9,785	1.0	2.3	-0.3	10,118	10,134	9,726	9,132	10.8
Plastics and rubber products.....	2,507	2,449	2,422	2.4	1.1	0.4	2,478	2,438	2,456	2,163	14.6
FINISHED GOODS											
All manufacturing industries ¹	164,936	163,892	163,828	0.6	0.0	-0.2	164,441	165,810	165,534	158,834	3.5
Durable goods industries ¹	80,604	80,308	80,689	0.4	-0.5	-0.7	80,531	81,802	82,023	80,188	0.4
Wood products.....	3,643	3,711	3,798	-1.8	-2.3	-1.2	3,708	3,910	4,051	3,798	-2.4
Nonmetallic mineral products.....	4,999	4,956	4,905	0.9	1.0	2.5	5,083	5,109	5,084	4,487	13.3
Primary metals.....	6,334	6,226	6,309	1.7	-1.3	-0.3	6,251	6,256	6,404	6,040	3.5
Fabricated metal products.....	10,265	10,264	10,224	0.0	0.4	-1.6	10,254	10,459	10,550	10,265	-0.1
Machinery.....	15,681	15,745	15,785	-0.4	-0.3	0.1	15,332	15,742	15,973	15,067	1.8
Computers and electronic products ¹	9,067	8,898	9,122	1.9	-2.5	-4.0	8,882	9,180	9,156	9,458	-6.1
Electrical equipment, appliances, and components.....	5,236	5,250	5,236	-0.3	0.3	0.2	5,239	5,481	5,443	5,439	-3.7
Transportation equipment.....	13,875	13,710	13,739	1.2	-0.2	-1.3	14,197	13,981	13,782	14,507	-2.1
Furniture and related products.....	2,732	2,719	2,733	0.5	-0.5	1.4	2,835	2,766	2,704	2,551	11.1
Miscellaneous products.....	8,772	8,829	8,838	-0.6	-0.1	0.2	8,750	8,918	8,876	8,576	2.0
Nondurable goods industries.....	84,332	83,584	83,139	0.9	0.5	0.2	83,910	84,008	83,511	78,646	6.7
Food products.....	19,712	19,578	19,332	0.7	1.3	-1.5	18,855	18,948	18,681	18,111	4.1
Beverage and tobacco products.....	4,819	4,707	4,733	2.4	-0.5	3.8	4,916	4,668	4,786	4,785	2.7
Textiles.....	2,530	2,460	2,408	2.8	2.2	-1.6	2,577	2,587	2,489	2,443	5.5
Textile products.....	2,335	2,299	2,271	1.6	1.2	-1.2	2,394	2,378	2,331	2,246	6.6
Apparel.....	4,942	4,907	4,789	0.7	2.5	0.8	5,195	4,932	4,683	4,481	15.9
Leather and allied products.....	1,150	1,145	1,124	0.4	1.9	-0.2	1,163	1,150	1,096	965	20.5
Paper products.....	6,539	6,545	6,489	-0.1	0.9	0.8	6,571	6,701	6,634	6,278	4.7
Printing.....	1,725	1,734	1,764	-0.5	-1.7	-0.6	1,759	1,784	1,773	1,627	8.1
Petroleum and coal products.....	6,226	6,147	6,444	1.3	-4.6	0.0	6,371	6,374	6,547	6,016	5.9
Basic chemicals.....	25,088	24,985	24,864	0.4	0.5	0.5	24,766	25,219	25,285	23,948	3.4
Plastics and rubber products.....	9,266	9,077	8,921	2.1	1.7	2.1	9,343	9,267	9,206	7,746	20.6

^p Preliminary^r Revised¹ See footnote at end of Table 3.

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			
	Jun 2003 ^p	May 2003 ^r	Apr 2003	Mar 2003	Jun 2003 ^p	May 2003 ^r	Apr 2003	Mar 2003
All manufacturing industries ²	1.33	1.34	1.35	1.32	(X)	(X)	(X)	(X)
Durable goods industries ²	1.52	1.55	1.55	1.54	4.01	4.03	4.04	4.01
Wood products.....	1.20	1.25	1.28	1.26	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.11	1.13	1.12	1.11	(X)	(X)	(X)	(X)
Primary metals.....	1.78	1.76	1.77	1.74	1.32	1.29	1.30	1.28
Fabricated metal products.....	1.51	1.51	1.51	1.50	1.91	1.89	1.90	1.89
Machinery.....	1.94	1.96	1.98	1.96	2.13	2.15	2.23	2.24
Computers and electronic products ² ..	1.44	1.48	1.49	1.56	4.93	4.91	4.81	4.92
Electrical equipment, appliances, and components.....	1.42	1.44	1.44	1.43	1.77	1.77	1.77	1.76
Transportation equipment.....	1.43	1.49	1.49	1.43	7.66	7.90	7.89	7.70
Furniture and related products.....	1.27	1.26	1.32	1.33	1.11	1.08	1.13	1.11
Miscellaneous products.....	1.73	1.75	1.74	1.72	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.11	1.12	1.12	1.08	(X)	(X)	(X)	(X)
Food products.....	0.85	0.86	0.85	0.87	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.64	1.62	1.63	1.56	(X)	(X)	(X)	(X)
Textiles.....	1.64	1.61	1.56	1.52	(X)	(X)	(X)	(X)
Textile products.....	1.51	1.53	1.52	1.50	(X)	(X)	(X)	(X)
Apparel.....	1.69	1.73	1.75	1.68	(X)	(X)	(X)	(X)
Leather and allied products.....	2.15	2.13	2.07	2.11	(X)	(X)	(X)	(X)
Paper products.....	1.10	1.11	1.11	1.09	(X)	(X)	(X)	(X)
Printing.....	0.74	0.74	0.73	0.74	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.68	0.66	0.74	0.60	(X)	(X)	(X)	(X)
Basic chemicals.....	1.37	1.37	1.36	1.34	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.23	1.23	1.24	1.19	(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 See footnote at end of Table 2.

Table 8. Revisions to Previously Published Monthly Percent Changes

[Based on Seasonally Adjusted data]

Industry	Shipments			New Orders			Unfilled Orders			Inventories		
	Jun ¹ 2003	Jun ² 1998-2002	Jun 2002-May 2003	Jun ¹ 2003	Jun ² 1998-2002	Jun 2002-May 2003	Jun ¹ 2003	Jun ² 1998-2002	Jun 2002-May 2003	Jun ¹ 2003	Jun ² 1998-2002	Jun 2002-May 2003
All manufacturing industries ³	(X)	(NA)	0.1	(X)	(NA)	0.2	(X)	(NA)	0.1	(X)	(NA)	0.1
Durable goods industries ³	0.1	(NA)	0.2	0.5	(NA)	0.5	0.2	(NA)	0.1	0.0	(NA)	0.1
Wood products.....	(X)	(NA)	0.8	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.3
Nonmetallic mineral products.....	(X)	(NA)	0.7	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.3
Primary metals.....	0.0	(NA)	0.3	0.0	(NA)	0.6	0.0	(NA)	0.4	0.0	(NA)	0.1
Fabricated metal products.....	-0.2	(NA)	0.3	-0.6	(NA)	1.0	-0.3	(NA)	0.5	0.0	(NA)	0.3
Machinery.....	-0.2	(NA)	0.3	-0.4	(NA)	1.0	0.0	(NA)	0.4	-0.1	(NA)	0.2
Computers and electronic products ³	0.5	(NA)	0.4	2.5	(NA)	1.0	0.5	(NA)	0.2	0.1	(NA)	0.2
Electrical equipment, appliances, and components.....	0.1	(NA)	0.3	-0.4	(NA)	0.9	-0.4	(NA)	0.6	-0.1	(NA)	0.1
Transportation equipment.....	0.1	(NA)	0.5	0.8	(NA)	1.1	0.2	(NA)	0.2	0.0	(NA)	0.1
Furniture and related products.....	(X)	(NA)	0.5	(X)	(NA)	1.1	(X)	(NA)	0.8	(X)	(NA)	0.1
Miscellaneous products.....	(X)	(NA)	0.6	(X)	(NA)	0.9	(X)	(NA)	1.3	(X)	(NA)	0.3
Nondurable goods industries.....	(X)	(NA)	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Food products.....	(X)	(NA)	0.6	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Beverage and tobacco products.....	(X)	(NA)	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Textiles.....	(X)	(NA)	1.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.4
Textile products.....	(X)	(NA)	0.7	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Apparel.....	(X)	(NA)	1.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.5
Leather and allied products.....	(X)	(NA)	2.9	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	1.0
Paper products.....	(X)	(NA)	1.0	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.4
Printing.....	(X)	(NA)	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.5
Petroleum and coal products.....	(X)	(NA)	0.8	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.8
Basic chemicals.....	(X)	(NA)	0.6	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Plastics and rubber products.....	(X)	(NA)	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.3

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 Average revisions of the current month for the past five years.

³ See footnote at end of Table 7

See note at end of Table 2 relating to survey error and revision. In Table 8, the second column for each item represents the average revisions of the current month for the past five years.

NOTE: The five year and 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), and end-of-month total inventory (at current cost or market value). The M3 includes approximately 4,000 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 4,000 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 4,000 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/>.

NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued on August 19, 2003. The revisions to the historical data are the result of:

- benchmarking the shipments and inventory data to the 2000 and 2001 Annual Survey of Manufactures (ASM) data;
- adjusting new and unfilled orders to be consistent with the benchmarked shipments and inventory data;
- newly introduced data for semiconductor manufacturing from March 2002 forward;
- correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data; and
- updating the seasonal adjustment factors for all series.

The publication will include data from 1992 through 2002. An accompanying press release will include the revised 2003 January through June data. Please call Dan Sansbury on (301)763-4832 with questions.