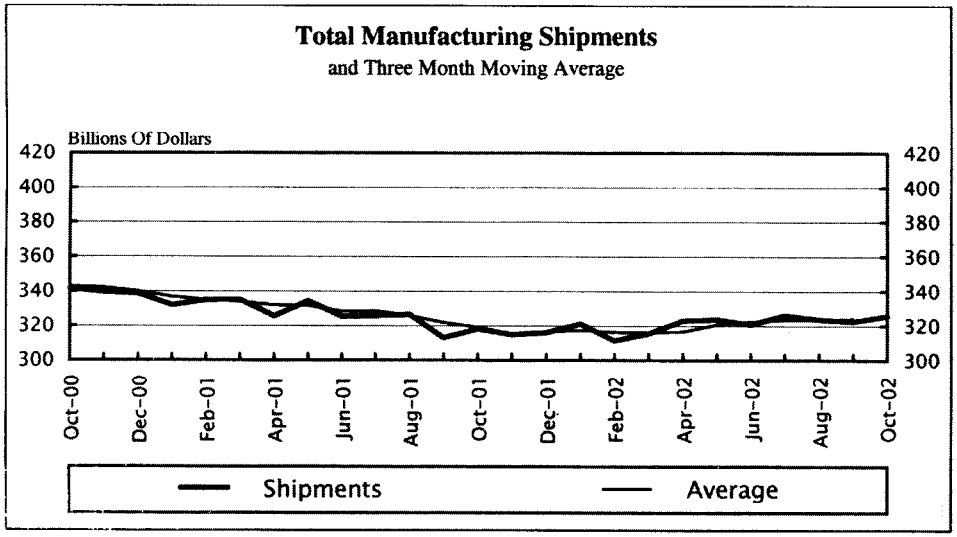
Manufacturers' Shipments, Inventories, and Orders

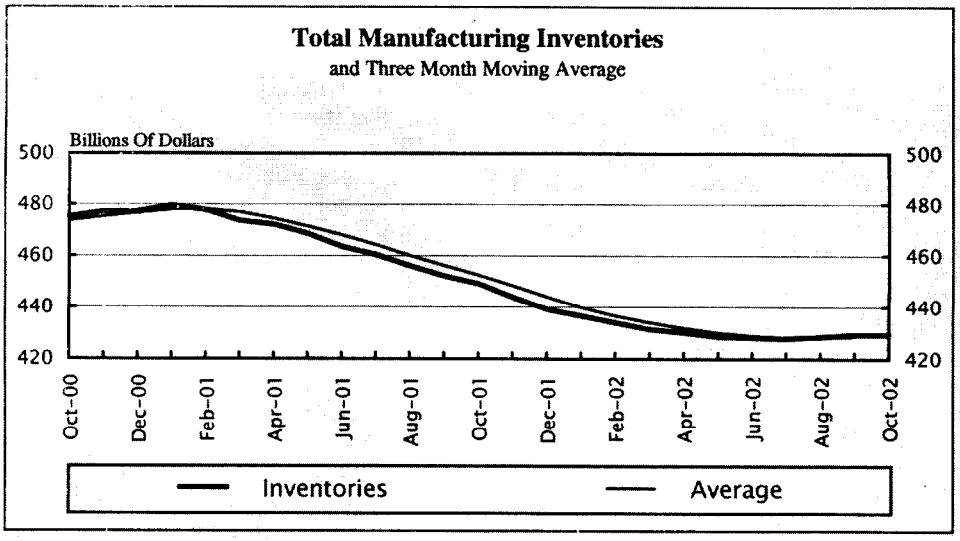
October 2002

M3-1(02)-10

Current Industrial Reports

For Wire Transmission 10:00 a.m. E.S.T., December 4, 2002





For data, call 301-763-4673. For inquiries, contact Dan Sansbury or Derrick Roy, Manufacturers' Shipments, Inventories and Orders Branch, Manufacturing and Construction Divison (MCD), Washington, DC 20233-6900 or call 301-763-4832.

The advance report on durable goods for November is scheduled for December 24, 2002 at 8:30 a.m. and the full report on January 7, 2002 at 10:00 a.m.

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All figures in text are in seasonally adjusted current dollars and **exclude data for semiconductor manufacturing**

Summary

New orders for manufactured goods in October increased $4.9 billion or 1.5 percent to $322.6 billion, the Department of Commerce, Census Bureau reported today. This followed a 2.4 percent September decrease. Year to date, new orders for 2002 were 1.5 percent below the same period a year ago.

Shipments increased $3.1 billion or 1.0 percent to $325.7 billion, following a 0.3 percent September decrease. Year to date, shipments for 2002 were 1.7 percent below the same period a year ago.

Unfilled orders decreased $3.2 billion or 0.7 percent to $482.6 billion, following a 1.0 percent September decrease; this was the lowest level since October 1996. The unfilled orders-to-shipments ratio was 3.93, down from 3.97 in September.

Inventories increased slightly to $429.4 billion, following a 0.2 percent September increase. The inventories-to-shipments ratio was 1.32, down from 1.33 in September.

New Orders

New orders for manufactured durable goods in October increased $4.0 billion or 2.4 percent to $173.0 billion, revised from the previously published 2.8 percent increase.

Transportation equipment had the largest increase, $2.1 billion or 4.2 percent to $51.4 billion, led by motor vehicles and parts, which increased $1.6 billion.

New orders for manufactured nondurable goods increased $0.9 billion or 0.6 percent to $149.5 billion.

Shipments

Shipments for manufactured durable goods in October increased $2.2 billion or 1.3 percent to $176.2 billion, revised from the previously published 1.2 percent increase.

Transportation equipment had the largest increase, $1.3 billion or 2.6 percent to $53.8 billion, due to motor vehicles and parts, which increased $1.6 billion.

Shipments of manufactured nondurable goods increased $0.9 billion or 0.6 percent to $149.5 billion; this was the highest level since August 2001. Petroleum and coal products had the largest increase, $0.6 billion or 3.3 percent to $19.4 billion, due to petroleum refineries, which increased $0.7 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in October decreased $3.2 billion or 0.7 percent to $482.6 billion, revised from the previously published 0.5 percent decrease; this was the lowest level since October 1996.

Transportation equipment had the largest decrease, $2.5 billion or 1.0 percent to $249.4 billion, due to nondefense aircraft and parts, which decreased $1.7 billion.

Inventories

Inventories of manufactured durable goods in October, down twenty-one consecutive months, decreased $0.6 billion or 0.2 percent to $263.0 billion, unrevised from the previously published 0.2 percent decrease. This was the lowest level since November 1995.

Machinery, down nineteen consecutive months, decreased $0.2 billion or 0.4 percent to $44.4 billion, led by industrial machinery with a decrease of $0.1 billion. Machinery inventory was at the lowest level since November 1995. Electrical equipment, appliances, and components, down twenty consecutive months, also decreased $0.2 billion or 1.3 percent to $12.6 billion; this was the lowest level since February 1994.

Inventories of manufactured nondurable goods, up five consecutive months, increased $0.6 billion or 0.4 percent to $166.5 billion, led by printing, which increased $0.2 billion.

By stage of fabrication, October materials and supplies decreased 0.1 percent in durable goods and increased 0.2 percent in nondurable goods. Work in process decreased 0.6 percent in durable goods and 0.5 percent in nondurable goods. Finished goods increased 0.2 percent in durable goods and 0.8 percent in nondurable goods.

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The advance report on durable goods for November is scheduled for December 24, 2002 at 8:30 A.M. EST and the full report on January 7, 2003 at 10:00 A.M. EST. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Table 1. Value of Manufacturers' Shipments for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted [1]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Oct. 2002[P]	Sept. 2002[r]	Aug. 2002	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2002[P]	Sept. 2002[r]	Aug. 2002	Oct. 2001	Oct. 02/01	2002[P]	2001
All manufacturing industries[2]	325,738	322,608	323,729	1.0	-0.3	-0.7	337,047	339,591	331,896	327,510	2.9	3,222,521	3,275,427
Excluding transportation[2]	271,927	270,137	271,070	0.7	-0.3	0.0	279,658	284,253	276,605	275,254	1.6	2,694,768	2,777,963
Excluding defense[2]	318,067	314,572	315,995	1.1	-0.5	-0.7	329,467	330,667	324,470	320,769	2.7	3,146,721	3,209,365
With unfilled orders[2]	122,648	122,234	122,167	0.3	0.1	-1.3	124,457	131,026	123,053	122,042	2.0	1,219,924	1,261,512
Durable goods industries[2]	176,211	174,008	175,561	1.3	-0.9	-1.8	181,523	185,954	178,880	174,816	3.8	1,747,123	1,761,574
Wood products	7,283	7,158	7,264	1.7	-1.5	-1.3	7,675	7,489	7,825	7,803	-1.6	74,798	75,049
Nonmetallic mineral products	8,419	8,492	8,587	-0.9	-1.1	2.0	9,184	8,927	9,409	8,207	11.9	83,650	77,460
Primary metals	11,419	11,345	11,395	0.7	-0.4	0.4	11,974	11,498	11,799	11,562	3.6	113,875	116,600
Iron and steel mills	5,371	5,377	5,339	-0.1	0.7	1.6	5,632	5,455	5,529	5,175	8.8	52,393	51,766
Aluminum and nonferrous metals	4,735	4,657	4,725	1.7	-1.4	-1.0	4,951	4,709	4,871	4,953	0.0	47,914	50,715
Ferrous metal foundries	1,313	1,311	1,331	0.2	-1.5	0.3	1,391	1,334	1,399	1,434	-3.0	13,568	14,119
Fabricated metal products	21,196	21,325	21,358	-0.6	-0.2	0.0	22,253	22,018	22,441	22,112	0.6	212,655	214,184
Machinery	22,919	22,783	23,063	0.6	-1.2	-0.8	22,744	23,916	22,270	22,860	-0.5	229,430	240,675
Farm machinery	1,585	1,542	1,559	2.8	-1.1	4.8	1,394	1,566	1,435	1,240	12.4	15,485	13,493
Construction machinery	1,744	1,663	1,668	4.9	-0.3	-3.1	1,619	1,565	1,581	1,542	5.0	17,208	17,904
Mining, oil field, and gas field machinery	693	720	710	-3.8	1.4	-2.5	672	745	700	800	-16.0	7,245	7,956
Industrial machinery	3,212	3,118	3,319	3.0	-6.1	0.4	3,181	3,242	3,097	2,958	7.5	30,713	34,449
Photographic equipment	1,492	1,468	1,496	1.6	-1.9	2.7	1,612	1,618	1,452	1,487	8.4	14,096	14,145
Ventilation, heating, air-conditioning, and refrigeration equipment	2,440	2,572	2,636	-5.1	-2.4	0.0	2,375	2,687	2,742	2,671	-11.1	26,538	28,826
Metalworking machinery	2,111	2,060	2,044	2.5	0.8	-1.3	2,361	2,440	1,955	2,375	-0.6	20,482	22,609
Turbines, generators, and other power transmission equipment	2,933	3,021	2,948	-2.9	2.5	-5.0	2,783	3,434	2,809	2,940	-5.3	30,134	29,001
Material handling equipment	1,374	1,349	1,353	1.9	-0.3	-0.7	1,399	1,356	1,304	1,467	-4.6	13,929	16,007
Computers and electronic products[2]	26,314	26,093	26,498	0.8	-1.5	-1.7	24,986	30,666	24,765	25,005	-0.1	258,752	284,721
Electronic computers	4,562	4,194	4,111	8.8	2.0	-7.1	4,698	4,913	3,617	3,870	21.4	39,251	44,378
Computer storage devices	1,077	1,219	1,172	-11.6	4.0	7.5	791	1,743	1,003	936	-15.5	11,613	11,035
Other peripheral equipment	1,617	1,333	1,563	21.3	-14.7	0.3	1,348	1,820	1,427	1,148	17.4	14,221	16,366
Nondefense communications equipment	4,768	5,077	5,161	-6.1	-1.6	0.4	4,223	6,160	4,634	5,509	-23.3	51,412	68,467
Defense communications equipment	329	287	303	14.6	-5.3	-1.3	306	318	301	278	10.1	3,093	2,963
Audio and video equipment	688	682	699	0.9	-2.4	-3.9	805	761	687	866	-7.0	7,022	6,943
Semiconductors[3]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components	4,175	4,048	4,208	3.1	-3.8	-0.6	4,208	4,435	4,290	4,187	0.5	41,685	47,025
Nondefense search and navigation equipment	810	792	768	2.3	3.1	-2.9	756	905	785	689	9.7	7,648	7,972
Defense search and navigation equipment	2,027	2,001	1,921	1.3	4.2	-0.8	1,997	2,134	1,785	1,796	11.2	19,145	18,353
Electromedical, measuring, and control instruments	5,634	5,815	5,908	-3.1	-1.6	-2.6	5,137	6,770	5,551	4,871	5.5	57,146	54,300
Electrical equipment, appliances, and components	8,999	8,896	8,937	1.2	-0.5	-1.9	8,876	9,834	8,919	9,233	-3.9	89,922	100,508
Electric lighting equipment	1,098	1,045	1,057	5.1	-1.1	-1.8	1,073	1,158	1,059	1,094	-1.9	10,611	10,764
Household appliances	2,087	2,061	2,008	1.3	2.6	-2.9	2,043	2,167	2,059	1,995	2.4	20,356	20,012
Electrical equipment	2,605	2,554	2,551	2.0	0.1	-2.1	2,454	2,968	2,572	2,562	-4.2	25,900	28,951
Batteries	479	478	456	0.2	4.8	-9.7	536	577	452	654	-18.0	4,991	5,740
Transportation equipment	53,811	52,471	52,659	2.6	-0.4	-4.2	57,389	55,338	55,291	52,256	9.8	527,753	497,464
Automobiles	8,056	7,665	8,221	5.1	-6.8	-11.1	9,270	8,066	8,749	8,885	4.3	81,864	75,896
Light trucks and utility vehicles	11,034	10,373	10,658	6.4	-2.7	-5.3	12,366	10,742	11,579	10,401	18.9	104,294	93,350
Heavy duty trucks	1,317	1,274	1,298	3.4	-1.8	0.5	1,539	1,260	1,396	1,162	32.4	12,042	11,293
Motor vehicle bodies, parts, and trailers	19,119	18,645	18,644	2.5	0.0	1.2	20,760	18,900	19,985	18,420	12.7	187,292	175,810
Nondefense aircraft and parts	6,310	6,305	5,678	0.1	11.0	-13.4	5,518	7,017	5,361	6,435	-14.3	63,374	73,320
Defense aircraft and parts	2,880	3,129	2,963	-8.0	5.6	-5.7	2,791	3,618	2,914	2,178	28.1	28,649	22,120
Ships and boats	1,925	1,808	1,878	6.5	-3.7	6.8	2,067	1,943	2,024	1,715	20.5	18,069	16,193
Furniture and related products	5,516	5,492	5,631	0.4	-2.5	-1.6	5,751	5,764	6,007	5,832	-1.4	56,300	58,443
Miscellaneous durable goods	10,335	9,953	10,169	3.8	-2.1	-1.0	10,691	10,504	10,154	9,946	7.5	99,988	96,470
Nondurable goods industries	149,527	148,600	148,168	0.6	0.3	0.5	155,524	153,637	153,016	152,694	1.9	1,475,398	1,513,853
Food products	37,723	37,222	37,870	1.3	-1.7	1.5	39,705	38,403	38,227	39,719	0.0	374,234	375,809
Grain and oilseed milling	4,092	4,013	4,022	2.0	-0.2	-1.8	4,330	3,920	4,106	4,232	2.3	40,576	39,403
Dairy products	5,158	4,989	4,951	3.4	0.8	-1.7	5,074	5,125	5,023	5,630	-9.9	51,650	55,570
Meat, poultry, and seafood products	10,737	10,656	10,850	0.8	-1.8	-1.9	10,888	10,505	11,289	11,489	-5.2	110,030	111,646
Beverage and tobacco products	8,666	8,920	9,100	-2.8	-2.0	-0.1	8,662	9,034	9,583	10,395	-16.7	91,766	98,365
Beverages	5,756	5,710	5,751	0.8	-0.7	-1.2	5,752	5,824	6,234	5,625	2.3	57,599	55,705
Tobacco	2,910	3,210	3,349	-9.3	-4.2	1.9	2,910	3,210	3,349	4,770	-39.0	34,167	42,660
Textile mills	3,510	3,463	3,533	1.4	-2.0	-6.0	3,634	3,795	3,727	3,751	-3.1	35,940	38,375
Textile products	3,098	3,086	3,062	0.4	0.8	-0.1	3,135	3,211	3,326	2,927	7.1	31,101	29,109
Apparel	4,633	4,683	4,695	-1.1	-0.3	-3.2	5,249	5,089	5,311	5,363	-2.1	47,904	49,124
Leather and allied products	730	754	746	-3.2	1.1	1.6	803	793	777	745	7.8	6,810	7,187
Paper products	12,807	12,975	13,185	-1.3	-1.6	4.2	13,152	13,194	13,663	13,097	0.4	125,872	123,517
Pulp, paper, and paperboard mills	5,696	5,949	6,056	-4.3	-1.8	2.1	5,755	6,006	6,267	6,189	-7.0	57,792	60,792
Paperboard containers	3,827	3,821	4,160	0.2	-8.1	11.3	4,046	3,858	4,368	3,790	6.8	37,697	36,910
Printing	8,156	8,067	8,081	1.1	-0.2	1.7	8,881	8,443	8,380	8,716	1.9	79,218	82,248
Petroleum and coal products	19,374	18,753	18,500	3.3	1.4	0.1	20,223	19,831	20,130	17,654	14.6	180,894	189,632
Petroleum refineries	17,845	17,170	16,890	3.9	1.7	0.1	18,489	17,998	18,221	16,028	15.4	164,875	173,735
Basic chemicals	35,774	35,822	34,476	-0.1	3.9	0.3	36,253	36,795	34,416	35,151	3.1	351,015	366,470
Pesticides, fertilizers, and other agricultural chemicals	1,606	1,692	1,704	-5.1	-0.7	5.1	1,080	1,135	1,272	1,145	-5.7	17,655	18,076
Pharmaceuticals and medicines	8,821	9,140	8,058	-3.5	13.4	-1.4	9,408	10,040	7,852	9,848	-4.5	87,881	97,943
Paints, coatings, and adhesives	2,442	2,432	2,373	0.4	2.5	-0.7	2,408	2,364	2,503	2,259	6.6	24,207	23,796
Plastics and rubber products	15,056	14,855	14,920	1.4	-0.4	-0.9	15,827	15,049	15,476	15,176	4.3	150,644	148,017

[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] 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				Percent Change Oct. 02/01	Year to date	
	Oct. 2002[p]	Sept. 2002[r]	Aug. 2002	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2002[p]	Sept. 2002[r]	Aug. 2002	Oct. 2001		2002[p]	2001
All manufacturing industries[2]	322,568	317,660	325,464	1.5	-2.4	-0.4	331,925	329,938	330,759	328,759	1.0	3,194,802	3,241,636
Excluding transportation[2]	271,208	268,355	267,929	1.1	0.2	-0.5	278,045	280,098	271,658	270,767	2.7	2,675,814	2,745,873
Excluding defense[2]	316,009	308,822	317,151	2.3	-2.6	0.3	326,249	321,268	324,211	311,161	4.8	3,118,189	3,167,453
With unfilled orders[2]	119,478	117,286	123,902	1.9	-5.3	-0.4	119,335	121,373	121,916	123,291	-3.2	1,192,205	1,227,721
Durable goods industries[2]	173,041	169,060	177,296	2.4	-4.6	-1.1	176,401	176,301	177,743	176,065	0.2	1,719,404	1,727,783
Primary metals	11,374	11,343	11,412	0.3	-0.6	1.8	11,445	11,009	11,628	10,466	9.4	112,752	114,500
Iron and steel mills	5,330	5,417	5,491	-1.6	-1.3	4.3	5,177	5,195	5,510	4,451	16.3	52,848	50,583
Aluminum and nonferrous metals	4,710	4,593	4,612	2.5	-0.4	-0.3	4,841	4,519	4,716	4,595	5.4	46,572	49,821
Ferrous metal foundries	1,334	1,333	1,309	0.1	1.8	-0.4	1,427	1,295	1,402	1,420	0.5	13,332	14,096
Fabricated metal products	21,191	21,086	20,802	0.5	1.4	-1.9	21,756	21,198	21,471	20,940	3.9	211,069	211,253
Machinery	22,716	21,988	22,012	3.3	-0.1	-4.3	22,507	22,733	21,240	21,536	4.5	221,476	234,913
Construction machinery	1,715	1,557	1,674	10.1	-7.0	-1.2	1,608	1,327	1,599	1,462	10.0	16,886	17,219
Mining, oil field, and gas field machinery	711	738	772	-3.7	-4.4	19.5	690	763	762	744	-7.3	7,196	8,238
Industrial machinery	3,302	2,950	2,955	11.9	-0.2	-23.2	3,535	2,684	2,683	3,117	13.4	31,282	31,642
Photographic equipment	1,479	1,468	1,485	0.7	-1.1	3.6	1,600	1,590	1,441	1,491	7.3	14,185	14,032
Ventilation, heating, air-conditioning, and refrigeration equipment	2,618	2,428	2,537	7.8	-4.3	-3.0	2,422	2,443	2,586	2,481	-2.4	26,450	28,557
Metalworking machinery	2,182	2,102	2,103	3.8	0.0	1.1	2,430	2,416	1,979	2,282	6.5	20,389	21,512
Turbines, generators, and other power transmission equipment	2,167	2,130	2,353	1.7	-9.5	-2.7	2,023	2,621	2,339	2,096	-3.5	22,195	29,078
Material handling equipment	1,556	1,530	1,414	1.7	8.2	4.3	1,524	1,671	1,302	1,317	15.7	13,808	15,693
Computers and electronic products[2]	25,472	24,856	25,295	2.5	-1.7	-4.0	24,113	28,983	22,574	24,192	-0.3	251,149	268,841
Electronic computers	4,591	4,832	4,028	-5.0	20.0	-2.3	4,751	5,247	3,613	4,046	17.4	39,114	43,858
Nondefense communications equipment	4,783	2,792	4,835	71.3	-42.3	-8.7	4,333	4,140	3,576	5,279	-17.9	47,698	60,147
Defense communications equipment	428	343	239	24.8	43.5	-3.2	405	374	237	226	79.2	3,044	2,737
Semiconductors[3]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components	4,257	2,918	3,726	45.9	-21.7	-8.9	4,206	3,311	3,985	3,934	6.9	40,048	42,591
Nondefense search and navigation equipment	757	715	710	5.9	0.7	-2.3	686	802	672	571	20.1	7,134	7,070
Defense search and navigation equipment	819	3,446	1,629	-76.2	111.5	-4.1	563	3,550	1,078	1,301	-56.7	16,852	16,955
Electromedical, measuring, and control instruments	5,828	5,931	6,010	-1.7	-1.3	-2.0	5,508	6,528	5,611	5,030	9.5	57,887	54,220
Electrical equipment, appliances, and components	8,977	9,122	8,896	-1.6	2.5	3.0	8,960	9,673	8,842	9,023	-0.7	89,576	97,662
Electric lighting equipment	1,077	1,279	1,069	-15.8	19.6	-1.0	1,048	1,271	1,084	1,085	-3.4	10,857	10,765
Household appliances	2,153	2,055	1,941	4.8	5.9	-5.7	2,091	2,118	2,007	1,879	11.3	20,045	19,725
Electrical equipment	2,472	2,534	2,537	-2.4	-0.1	21.1	2,432	2,826	2,516	2,601	-6.5	25,344	28,742
Transportation equipment	51,360	49,305	57,535	4.2	-14.3	0.2	53,880	49,840	59,101	57,992	-7.1	518,988	495,763
Motor vehicle bodies, parts, and trailers	18,874	18,405	18,262	2.5	0.8	-1.9	20,341	18,484	19,372	17,981	13.1	186,626	173,838
Nondefense aircraft and parts	4,565	4,721	9,005	-3.3	-47.6	45.7	3,455	4,304	8,895	2,139	61.5	52,054	64,124
Defense aircraft and parts	2,712	2,855	3,107	-5.0	-8.1	-50.0	1,846	2,942	2,280	13,256	-86.1	33,075	32,416
Ships and boats	1,810	2,140	1,965	-15.4	8.9	36.3	2,264	2,198	1,780	1,606	41.0	18,708	18,277
Furniture and related products	5,537	5,419	5,420	2.2	0.0	-1.1	5,813	5,607	5,595	5,631	3.2	55,747	57,848
Nondurable goods industries	149,527	148,600	148,168	0.6	0.3	0.5	155,524	153,637	153,016	152,694	1.9	1,475,398	1,513,853

[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
	Oct. 2002[P]	Sept. 2002[r]	Aug. 2002	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2002[P]	Sept. 2002[r]	Aug. 2002	Oct. 2001	Oct. 02/01
All manufacturing industries[1]	482,581	485,751	490,699	-0.7	-1.0	0.4	474,239	479,361	489,014	509,138	-6.9
Excluding transportation[1]	233,160	233,879	235,661	-0.3	-0.8	-1.3	229,373	230,986	235,141	250,970	-8.6
Excluding defense[1]	336,908	338,966	344,716	-0.6	-1.7	0.3	332,728	335,946	345,345	370,175	-10.1
Durable goods industries[1]	482,581	485,751	490,699	-0.7	-1.0	0.4	474,239	479,361	489,014	509,138	-6.9
Primary metals	15,899	15,944	15,946	-0.3	0.0	0.1	14,980	15,509	15,998	16,247	-7.8
Iron and steel mills	9,030	9,071	9,031	-0.5	0.4	1.7	8,360	8,815	9,075	7,836	6.7
Aluminum and nonferrous metals	4,624	4,649	4,713	-0.5	-1.4	-2.3	4,440	4,550	4,740	6,000	-26.0
Ferrous metal foundries	2,245	2,224	2,202	0.9	1.0	-1.0	2,180	2,144	2,183	2,411	-9.6
Fabricated metal products	38,684	38,689	38,928	0.0	-0.6	-1.4	38,223	38,720	39,540	41,245	-7.3
Machinery	45,898	46,101	46,896	-0.4	-1.7	-2.2	45,460	45,697	46,880	54,204	-16.1
Construction machinery	2,026	2,055	2,161	-1.4	-4.9	0.3	1,821	1,832	2,070	2,069	-12.0
Mining, oil field, and gas field machinery	1,150	1,132	1,114	1.6	1.6	5.9	1,150	1,132	1,114	1,321	-12.9
Industrial machinery	9,122	9,032	9,200	1.0	-1.8	-3.8	9,128	8,774	9,332	9,042	1.0
Photographic equipment	907	920	920	-1.4	0.0	-1.2	905	917	945	868	4.3
Ventilation, heating, air-conditioning, and refrigeration equipment	4,446	4,268	4,412	4.2	-3.3	-2.2	4,269	4,222	4,466	4,587	-6.9
Metalworking machinery	3,780	3,709	3,667	1.9	1.1	1.6	3,756	3,687	3,711	4,215	-10.9
Turbines, generators, and other power transmission equipment	10,201	10,967	11,858	-7.0	-7.5	-4.8	10,286	11,046	11,859	17,389	-40.8
Material handling equipment	5,325	5,143	4,962	3.5	3.6	1.2	5,243	5,118	4,803	5,416	-3.2
Computers and electronic products[1]	108,189	109,031	110,268	-0.8	-1.1	-1.1	106,348	107,221	108,904	114,058	-6.8
Electronic computers	6,848	6,819	6,181	0.4	10.3	-1.3	6,667	6,614	6,280	6,864	-2.9
Nondefense communications equipment	36,711	36,696	38,981	0.0	-5.9	-0.8	35,974	35,864	37,884	40,040	-10.2
Defense communications equipment	2,516	2,417	2,361	4.1	2.4	-2.6	2,516	2,417	2,361	2,445	2.9
Semiconductors[2]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components	14,604	14,522	15,652	0.6	-7.2	-3.0	14,679	14,681	15,805	16,979	-13.5
Nondefense search and navigation equipment	3,954	4,007	4,084	-1.3	-1.9	-1.4	3,911	3,981	4,084	4,611	-15.2
Defense search and navigation equipment	30,200	31,408	29,963	-3.8	4.8	-1.0	29,387	30,821	29,405	31,077	-5.4
Electromedical, measuring, and control instruments	13,356	13,162	13,046	1.5	0.9	0.8	13,214	12,843	13,085	12,042	9.7
Electrical equipment, appliances, and components	14,733	14,755	14,529	-0.1	1.6	-0.3	14,530	14,446	14,607	14,903	-2.5
Electric lighting equipment	1,662	1,683	1,449	-1.2	16.1	0.8	1,632	1,657	1,544	1,444	13.0
Household appliances	1,116	1,050	1,056	6.3	-0.6	-6.0	968	920	969	958	1.0
Electrical equipment	8,386	8,519	8,539	-1.6	-0.2	-0.2	8,381	8,403	8,545	8,999	-6.9
Transportation equipment	249,421	251,872	255,038	-1.0	-1.2	1.9	244,866	248,375	253,873	258,168	-5.2
Motor vehicle bodies, parts, and trailers	12,115	12,360	12,600	-2.0	-1.9	-2.9	11,527	11,946	12,362	11,756	-1.9
Nondefense aircraft and parts	112,641	114,386	115,970	-1.5	-1.4	3.0	112,023	114,086	116,799	128,805	-13.0
Defense aircraft and parts	57,562	57,730	58,004	-0.3	-0.5	0.2	55,709	56,654	57,330	51,666	7.8
Ships and boats	21,598	21,713	21,381	-0.5	1.6	0.4	21,211	21,014	20,759	20,516	3.4
Furniture and related products	5,380	5,359	5,432	0.4	-1.3	-3.7	5,455	5,393	5,550	6,272	-13.0

[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
	Oct. 2002[P]	Sept. 2002[r]	Aug. 2002	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2002[P]	Sept. 2002[r]	Aug. 2002	Oct. 2001	Oct. 02/01
All manufacturing industries[1]	429,409	429,385	428,574	0.0	0.2	0.1	433,641	429,952	432,308	452,760	-4.2
Excluding transportation[1]	358,490	358,410	357,395	0.0	0.3	0.2	361,188	358,197	359,654	375,854	-3.9
Excluding defense[1]	407,417	407,323	406,606	0.0	0.2	0.0	411,492	407,596	409,670	431,010	-4.5
With unfilled orders[1]	213,672	213,925	215,014	-0.1	-0.5	-0.1	215,449	213,930	217,714	233,412	-7.7
Durable goods industries[1]	262,958	263,516	264,070	-0.2	-0.2	-0.1	264,977	263,389	267,379	284,462	-6.8
Wood products	9,276	9,314	9,284	-0.4	0.3	-0.2	9,427	9,353	9,210	9,786	-3.7
Nonmetallic mineral products	8,944	8,896	8,917	0.5	-0.2	0.9	8,687	8,751	8,892	9,094	-4.5
Primary metals	18,449	18,407	18,425	0.2	-0.1	0.7	18,605	18,494	18,495	19,649	-5.3
Iron and steel mills	10,698	10,632	10,501	0.6	1.2	2.0	10,869	10,779	10,591	11,135	-2.4
Aluminum and nonferrous metals	6,051	6,079	6,207	-0.5	-2.1	-0.9	6,050	6,063	6,206	6,665	-9.2
Ferrous metal foundries	1,700	1,696	1,717	0.2	-1.2	-0.9	1,686	1,652	1,698	1,849	-8.8
Fabricated metal products	30,823	30,839	30,755	-0.1	0.3	0.6	30,609	30,735	30,829	32,555	-6.0
Machinery	44,448	44,631	44,769	-0.4	-0.3	-0.5	44,658	44,358	45,024	48,314	-7.6
Farm machinery	2,035	2,012	1,981	1.1	1.6	-1.8	1,913	1,924	1,921	1,923	-0.5
Construction machinery	3,860	3,875	3,912	-0.4	-0.9	-0.4	3,828	3,778	3,819	3,888	-1.5
Mining, oil field, and gas field machinery	2,191	2,156	2,168	1.6	-0.6	0.2	2,203	2,173	2,207	2,428	-9.3
Industrial machinery	7,586	7,680	7,753	-1.2	-0.9	-1.1	7,568	7,592	7,815	8,264	-8.4
Photographic equipment	1,916	1,910	1,911	0.3	-0.1	-2.6	1,977	1,945	1,926	2,141	-7.7
Ventilation, heating, air-conditioning, and refrigeration equipment	4,156	4,096	4,084	1.5	0.3	0.1	4,160	4,010	4,151	4,328	-3.9
Metalworking machinery	5,276	5,257	5,198	0.4	1.1	1.4	5,376	5,361	5,407	5,936	-9.4
Turbines, generators, and other power transmission equipment	4,675	4,728	4,792	-1.1	-1.3	-2.0	4,811	4,757	4,914	5,271	-8.7
Material handling equipment	2,570	2,614	2,647	-1.7	-1.2	0.6	2,528	2,563	2,608	2,799	-9.7
Computers and electronic products[1]	42,395	42,511	42,798	-0.3	-0.7	-0.5	42,662	42,160	44,091	49,064	-13.0
Electronic computers	3,085	3,214	2,986	-4.0	7.6	-0.3	3,018	3,167	3,154	3,200	-5.7
Computer storage devices	1,260	1,258	1,306	0.2	-3.7	-1.6	1,242	1,133	1,342	1,547	-19.7
Other peripheral equipment	2,698	2,831	2,560	-4.7	10.6	-2.3	2,751	2,683	2,770	3,136	-12.3
Nondefense communications equipment	8,285	8,363	9,204	-0.9	-9.1	-3.3	8,374	8,380	9,389	11,819	-29.1
Defense communications equipment	769	809	766	-4.9	5.6	2.7	769	809	766	708	8.6
Audio and video equipment	1,200	1,161	1,134	3.4	2.4	2.9	1,356	1,247	1,215	1,254	8.1
Semiconductors[2]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components	8,974	8,755	8,738	2.5	0.2	0.3	8,940	8,733	8,970	10,046	-11.0
Nondefense search and navigation equipment	3,036	3,028	2,974	0.3	1.8	1.0	3,029	2,988	3,006	2,971	2.0
Defense search and navigation equipment	3,356	3,359	3,391	-0.1	-0.9	0.5	3,372	3,390	3,514	3,494	-3.5
Electromedical, measuring and control instruments	9,347	9,346	9,365	0.0	-0.2	0.8	9,411	9,223	9,567	10,360	-9.2
Electrical equipment, appliances, and components	12,582	12,749	12,885	-1.3	-1.1	-1.2	12,553	12,435	12,826	13,847	-9.3
Electric lighting equipment	1,470	1,489	1,485	-1.3	0.3	0.3	1,480	1,473	1,509	1,530	-3.3
Household appliances	2,133	2,159	2,159	-1.2	0.0	-1.1	2,110	2,049	2,098	2,147	-1.7
Electrical equipment	4,223	4,291	4,320	-1.6	-0.7	-2.2	4,246	4,165	4,301	4,612	-7.9
Batteries	685	698	726	-1.9	-3.9	1.0	697	711	769	792	-12.0
Transportation equipment	70,919	70,975	71,179	-0.1	-0.3	-0.3	72,453	71,755	72,654	76,906	-5.8
Automobiles	1,753	1,734	1,550	1.1	11.9	-7.2	1,738	1,777	1,682	1,620	7.3
Light trucks and utility vehicles	1,970	1,971	1,999	-0.1	-1.4	-0.5	2,058	2,081	2,134	2,076	-0.9
Heavy duty trucks	915	1,007	965	-9.1	4.4	2.6	934	1,034	975	920	1.5
Motor vehicle bodies, parts, and trailers	16,014	16,010	15,804	0.0	1.3	-0.3	16,289	16,140	15,873	16,425	-0.8
Nondefense aircraft and parts	28,736	28,721	29,448	0.1	-2.5	-1.0	29,722	29,043	29,940	34,396	-13.6
Defense aircraft and parts	10,869	10,915	10,876	-0.4	0.4	2.5	10,930	10,990	11,289	10,177	7.4
Ships and boats	2,633	2,664	2,590	-1.2	2.9	-0.3	2,655	2,652	2,606	2,469	7.5
Furniture and related products	6,972	7,022	7,030	-0.7	-0.1	-0.1	6,973	7,029	7,088	7,504	-7.1
Miscellaneous durable goods	18,150	18,172	18,028	-0.1	0.8	0.2	18,350	18,319	18,270	17,743	3.4
Nondurable goods industries	166,451	165,869	164,504	0.4	0.8	0.6	168,664	166,563	164,929	168,298	0.2
Food products	32,235	32,096	31,940	0.4	0.5	0.5	34,191	32,525	31,996	33,139	3.2
Grain and oilseed milling	3,471	3,447	3,484	0.7	-1.1	3.6	3,709	3,275	3,286	3,212	15.5
Dairy products	3,345	3,365	3,406	-0.6	-1.2	0.3	3,362	3,393	3,474	3,525	-4.6
Meat, poultry, and seafood products	6,196	6,145	6,080	0.8	1.1	0.0	6,374	6,165	6,001	6,102	4.5
Beverage and tobacco products	14,602	14,562	14,266	0.3	2.1	0.0	15,007	14,636	13,834	14,661	2.4
Beverages	9,439	9,372	8,980	0.7	4.4	0.5	9,696	9,484	8,782	9,266	4.6
Tobacco	5,163	5,190	5,286	-0.5	-1.8	-0.9	5,311	5,152	5,052	5,395	-1.6
Textile mills	4,930	4,972	5,041	-0.8	-1.4	-0.1	4,887	4,906	5,098	5,706	-14.4
Textile products	4,544	4,568	4,547	-0.5	0.5	0.5	4,506	4,573	4,571	4,473	0.7
Apparel	7,588	7,515	7,427	1.0	1.2	0.1	7,473	7,581	7,594	8,387	-10.9
Leather and allied products	1,551	1,511	1,503	2.6	0.5	2.1	1,571	1,553	1,563	1,614	-2.7
Paper products	14,439	14,416	14,288	0.2	0.9	-0.3	14,288	14,307	14,252	14,718	-2.9
Pulp, paper, and paperboard mills	6,150	6,206	6,298	-0.9	-1.5	-0.7	6,023	6,108	6,249	6,528	-7.7
Paperboard containers	4,155	4,073	3,917	2.0	4.0	0.2	4,152	4,090	3,925	4,205	-1.3
Printing	5,965	5,796	5,847	2.9	-0.9	-1.5	6,196	6,034	6,241	6,500	-4.7
Petroleum and coal products	13,346	13,352	13,117	0.0	1.8	0.0	13,619	13,835	13,366	12,476	9.2
Petroleum refineries	11,893	11,905	11,713	-0.1	1.6	0.2	12,200	12,391	11,903	10,999	10.9
Basic chemicals	49,701	49,604	49,576	0.2	0.1	1.3	49,616	49,407	49,697	49,882	-0.5
Pesticides, fertilizers, and other agricultural chemicals	2,503	2,304	2,330	8.6	-1.1	-0.7	2,317	2,066	2,011	2,437	-4.9
Pharmaceuticals and medicines	17,909	18,057	18,046	-0.8	0.1	2.6	18,134	18,138	18,352	17,118	5.9
Paints, coatings, and adhesives	2,929	2,912	2,914	0.6	-0.1	-0.1	2,906	2,861	2,924	2,918	-0.4
Plastics and rubber products	17,550	17,477	16,952	0.4	3.1	1.3	17,310	17,206	16,717	16,742	3.4

[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]						
	Monthly			Percent Change			Monthly				Percent Change Oct. 02/01	Year to date	
	Oct. 2002[p]	Sept. 2002[r]	Aug. 2002	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2002[p]	Sept. 2002[r]	Aug. 2002	Oct. 2001		2002[p]	2001
SHIPMENTS													
All manufacturing industries[5]	325,738	322,608	323,729	1.0	-0.3	-0.7	337,047	339,591	331,896	327,510	2.9	3,222,521	3,275,427
Construction materials and supplies	36,145	36,206	36,416	-0.2	-0.6	0.4	38,204	37,808	39,056	36,839	3.7	362,755	357,076
Information technology	26,361	26,271	26,651	0.3	-1.4	-1.3	25,160	30,813	24,704	25,233	-0.3	259,227	286,882
Computers and related products	7,256	6,746	6,846	7.6	-1.5	-3.2	6,837	8,476	6,047	5,954	14.8	65,085	71,779
Motor vehicle and parts	39,526	37,957	38,821	4.1	-2.2	-3.5	43,935	38,968	41,709	38,868	13.0	385,492	356,349
Capital goods	63,693	63,089	63,302	1.0	-0.3	-2.2	61,725	69,948	60,818	61,488	0.4	627,407	667,861
Nondefense capital goods[3]	57,175	56,393	56,822	1.4	-0.8	-2.5	55,328	62,642	54,631	55,499	-0.3	563,791	609,850
Excluding aircraft	53,985	53,137	54,200	1.6	-2.0	-1.2	52,749	59,362	52,217	52,274	0.9	531,841	570,450
Defense capital goods[4]	6,518	6,696	6,480	-2.7	3.3	0.1	6,397	7,306	6,187	5,989	6.8	63,616	58,011
Consumer goods	125,431	123,772	124,026	1.3	-0.2	-1.2	132,631	129,084	128,871	129,312	2.6	1,235,937	1,248,153
Consumer durable goods	34,464	33,156	34,091	3.9	-2.7	-5.2	37,596	34,680	35,762	34,557	8.8	338,692	318,600
Consumer nondurable goods	90,967	90,616	89,935	0.4	0.8	0.4	95,035	94,404	93,109	94,755	0.3	897,245	929,553
NEW ORDERS													
All manufacturing industries[5]	322,568	317,660	325,464	1.5	-2.4	-0.4	331,925	329,938	330,759	328,759	1.0	3,194,802	3,241,636
Construction materials and supplies	36,424	36,341	36,169	0.2	0.5	0.1	37,966	37,239	38,445	35,669	6.4	363,081	353,963
Information technology	25,490	26,182	25,947	-2.6	0.9	-2.5	24,360	30,143	22,813	24,553	-0.8	253,625	272,972
Computers and related products	7,285	7,384	6,763	-1.3	9.2	-0.1	6,890	8,810	6,043	6,130	12.4	64,948	71,259
Motor vehicle and parts	39,281	37,717	38,439	4.1	-1.9	-4.9	43,516	38,552	41,096	38,429	13.2	384,826	354,377
Capital goods	60,488	60,452	66,258	0.1	-8.8	6.1	58,679	65,546	61,658	66,533	-11.8	602,225	644,521
Nondefense capital goods[3]	55,265	52,901	59,214	4.5	-10.7	4.0	53,845	58,116	56,036	49,405	9.0	541,457	579,843
Excluding aircraft	53,546	50,752	53,043	5.5	-4.3	-1.4	52,737	55,943	50,073	50,112	5.2	519,398	551,507
Defense capital goods[4]	5,223	7,551	7,044	-30.8	7.2	28.3	4,834	7,430	5,622	17,128	-71.8	60,768	64,678
Consumer goods	125,658	124,025	123,576	1.3	0.4	-1.4	132,810	129,280	128,334	128,852	3.1	1,234,899	1,245,066
Consumer durable goods	34,691	33,409	33,641	3.8	-0.7	-6.0	37,775	34,876	35,225	34,097	10.8	337,654	315,513
Consumer nondurable goods	90,967	90,616	89,935	0.4	0.8	0.4	95,035	94,404	93,109	94,755	0.3	897,245	929,553
UNFILLED ORDERS													
All manufacturing industries[5]	482,581	485,751	490,699	-0.7	-1.0	0.4	474,239	479,361	489,014	509,138	-6.9	(X)	(X)
Construction materials and supplies	32,523	32,244	32,109	0.9	0.4	-0.8	32,069	32,307	32,876	33,135	-3.2	(X)	(X)
Information technology	98,061	98,932	99,021	-0.9	-0.1	-0.7	96,123	96,923	97,593	101,449	-5.2	(X)	(X)
Computers and related products	6,848	6,819	6,181	0.4	10.3	-1.3	6,667	6,614	6,280	6,864	-2.9	(X)	(X)
Motor vehicle and parts	12,115	12,360	12,600	-2.0	-1.9	-2.9	11,527	11,946	12,362	11,756	-1.9	(X)	(X)
Capital goods	334,840	338,045	340,682	-0.9	-0.8	0.9	330,256	333,302	337,704	358,991	-8.0	(X)	(X)
Nondefense capital goods[3]	209,894	211,804	215,296	-0.9	-1.6	1.1	208,454	209,937	214,463	236,297	-11.8	(X)	(X)
Excluding aircraft	125,904	126,343	128,728	-0.3	-1.9	-0.9	124,464	124,476	127,895	138,632	-10.2	(X)	(X)
Defense capital goods[4]	124,946	126,241	125,386	-1.0	0.7	0.5	121,802	123,365	123,241	122,694	-0.7	(X)	(X)
Consumer goods	12,285	12,058	11,805	1.9	2.1	-3.7	12,119	11,940	11,744	12,778	-5.2	(X)	(X)
Consumer durable goods	12,285	12,058	11,805	1.9	2.1	-3.7	12,119	11,940	11,744	12,778	-5.2	(X)	(X)
TOTAL INVENTORIES													
All manufacturing industries[5]	429,409	429,385	428,574	0.0	0.2	0.1	433,641	429,952	432,308	452,760	-4.2	(X)	(X)
Construction materials and supplies	45,427	45,262	45,114	0.4	0.3	0.5	45,174	44,996	45,231	47,086	-4.1	(X)	(X)
Information technology	39,408	39,778	40,166	-0.9	-1.0	-0.8	39,719	39,409	41,196	45,925	-13.5	(X)	(X)
Computers and related products	7,043	7,303	6,852	-3.6	6.6	-1.3	7,011	6,983	7,266	7,883	-11.1	(X)	(X)
Motor vehicle and parts	20,652	20,722	20,318	-0.3	2.0	-0.7	21,019	21,032	20,664	21,041	-0.1	(X)	(X)
Capital goods	130,497	131,496	132,586	-0.8	-0.8	-0.4	131,884	131,205	134,766	146,883	-10.2	(X)	(X)
Nondefense capital goods[3]	111,983	112,967	114,020	-0.9	-0.9	-0.9	113,367	112,511	115,672	128,145	-11.5	(X)	(X)
Excluding aircraft	89,848	90,643	91,118	-0.9	-0.5	-0.8	90,288	89,822	92,345	100,397	-10.1	(X)	(X)
Defense capital goods[4]	18,514	18,529	18,566	-0.1	-0.2	2.9	18,517	18,694	19,094	18,738	-1.2	(X)	(X)
Consumer goods	127,997	127,930	126,794	0.1	0.9	0.4	130,937	129,180	127,622	128,511	1.9	(X)	(X)
Consumer durable goods	26,745	26,740	26,397	0.0	1.3	-0.4	27,049	26,920	26,860	26,827	0.8	(X)	(X)
Consumer nondurable goods	101,252	101,190	100,397	0.1	0.8	0.6	103,888	102,260	100,762	101,684	2.2	(X)	(X)

[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] 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.

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 Oct. 02/01
	Oct. 2002[p]	Sept. 2002[r]	Aug. 2002	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2002[p]	Sept. 2002[r]	Aug. 2002	Oct. 2001	
MATERIALS AND SUPPLIES											
All manufacturing industries[1]	140,152	140,156	140,201	0.0	0.0	-0.2	140,685	140,209	141,017	149,756	-6.1
Durable goods industries[1]	84,407	84,496	84,910	-0.1	-0.5	-0.2	84,887	84,739	85,913	92,129	-7.9
Wood products	3,544	3,531	3,549	0.4	-0.5	-1.4	3,807	3,642	3,511	3,925	-3.0
Nonmetallic mineral products	3,264	3,244	3,253	0.6	-0.3	-0.4	3,284	3,271	3,291	3,457	-5.0
Primary metals	6,197	6,152	6,073	0.7	1.3	0.7	6,389	6,263	6,144	6,599	-3.2
Fabricated metal products	10,821	10,797	10,696	0.2	0.9	1.4	10,655	10,818	10,812	10,758	-1.0
Machinery	14,826	14,817	15,017	0.1	-1.3	-1.0	14,865	14,762	15,157	16,595	-10.4
Computers and electronic products[1]	15,499	15,385	15,543	0.7	-1.0	-0.6	15,373	15,368	15,947	18,776	-18.1
Electrical equipment, appliances, and components	4,424	4,486	4,549	-1.4	-1.4	-1.9	4,458	4,452	4,558	5,236	-14.9
Transportation equipment	16,543	16,703	16,775	-1.0	-0.4	0.4	16,789	16,805	16,955	17,531	-4.2
Furniture and related products	2,957	3,007	3,070	-1.7	-2.1	-0.9	2,923	2,975	3,060	3,190	-8.4
Miscellaneous products	6,332	6,374	6,385	-0.7	-0.2	0.0	6,344	6,383	6,478	6,062	4.7
Nondurable goods industries	55,745	55,660	55,291	0.2	0.7	-0.3	55,798	55,470	55,104	57,627	-3.2
Food products	10,100	10,114	10,250	-0.1	-1.3	-0.2	10,305	9,914	10,156	10,513	-2.0
Beverage and tobacco products	5,933	5,928	5,815	0.1	1.9	-0.6	5,790	5,821	5,691	5,734	1.0
Textiles	1,421	1,455	1,420	-2.3	2.5	0.6	1,420	1,457	1,434	1,617	-12.2
Textile products	1,534	1,538	1,527	-0.3	0.7	0.8	1,520	1,559	1,555	1,573	-3.4
Apparel	1,714	1,694	1,683	1.2	0.7	-1.1	1,698	1,667	1,663	1,949	-12.9
Leather and allied products	355	337	332	5.3	1.5	1.5	356	340	342	393	-9.4
Paper products	7,055	6,997	6,856	0.8	2.1	-0.3	7,029	6,984	6,816	7,201	-2.4
Printing	2,449	2,408	2,373	1.7	1.5	-3.1	2,549	2,505	2,445	2,771	-8.0
Petroleum and coal products	3,132	3,077	3,078	1.8	0.0	-2.0	3,197	3,084	3,088	3,422	-6.6
Basic chemicals	15,098	15,229	15,233	-0.9	0.0	0.0	15,056	15,257	15,200	15,716	-4.2
Plastics and rubber products	6,954	6,883	6,724	1.0	2.4	0.6	6,878	6,882	6,714	6,738	2.1
WORK IN PROCESS											
All manufacturing industries[1]	126,617	127,404	127,988	-0.6	-0.5	0.3	129,340	128,536	129,537	138,248	-6.4
Durable goods industries[1]	97,344	97,978	98,531	-0.6	-0.6	-0.3	98,931	98,596	100,046	109,569	-9.7
Wood products	2,056	2,077	2,039	-1.0	1.9	0.3	2,077	2,079	2,050	1,995	4.1
Nonmetallic mineral products	1,140	1,140	1,138	0.0	0.2	-1.2	1,095	1,106	1,135	1,181	-7.3
Primary metals	6,197	6,210	6,308	-0.2	-1.6	0.8	6,231	6,242	6,326	6,740	-7.6
Fabricated metal products	9,788	9,796	9,797	-0.1	0.0	0.1	9,859	9,872	9,913	10,658	-7.5
Machinery	13,867	14,144	14,256	-2.0	-0.8	-0.2	14,146	14,202	14,509	15,774	-10.3
Computers and electronic products[1]	17,238	17,547	17,404	-1.8	0.8	-0.7	17,398	17,553	17,797	19,123	-9.0
Electrical equipment, appliances, and components	2,760	2,802	2,864	-1.5	-2.2	-1.5	2,758	2,753	2,901	3,258	-15.3
Transportation equipment	39,820	39,825	40,317	0.0	-1.2	-0.5	40,843	40,310	40,941	46,084	-11.4
Furniture and related products	1,450	1,456	1,438	-0.4	1.3	-2.6	1,433	1,440	1,433	1,520	-5.7
Miscellaneous products	3,028	2,981	2,970	1.6	0.4	1.5	3,091	3,039	3,041	3,236	-4.5
Nondurable goods industries	29,273	29,426	29,457	-0.5	-0.1	2.5	30,409	29,940	29,491	28,679	6.0
Food products	2,622	2,625	2,620	-0.1	0.2	-0.4	3,111	2,603	2,392	3,094	0.5
Beverage and tobacco products	3,963	3,998	3,884	-0.9	2.9	2.9	4,270	4,143	3,601	4,135	3.3
Textiles	1,114	1,123	1,202	-0.8	-6.6	0.7	1,111	1,115	1,198	1,395	-20.4
Textile products	773	772	791	0.1	-2.4	0.1	773	779	795	818	-5.5
Apparel	1,317	1,335	1,473	-1.3	-9.4	0.8	1,285	1,303	1,478	1,492	-13.9
Leather and allied products	153	148	157	3.4	-5.7	-3.7	151	152	159	195	-22.6
Paper products	1,194	1,216	1,325	-1.8	-8.2	1.2	1,166	1,231	1,351	1,262	-7.6
Printing	1,925	1,794	1,865	7.3	-3.8	-1.2	2,062	1,901	2,093	2,043	0.9
Petroleum and coal products	4,021	3,978	3,950	1.1	0.7	2.4	4,140	4,118	4,062	3,224	28.4
Basic chemicals	9,856	10,132	9,921	-2.7	2.1	5.2	10,005	10,315	10,116	8,721	14.7
Plastics and rubber products	2,335	2,305	2,269	1.3	1.6	1.0	2,335	2,280	2,246	2,300	1.5
FINISHED GOODS											
All manufacturing industries[1]	162,640	161,825	160,385	0.5	0.9	0.3	163,616	161,207	161,754	164,756	-0.7
Durable goods industries[1]	81,207	81,042	80,629	0.2	0.5	0.2	81,159	80,054	81,420	82,764	-1.9
Wood products	3,676	3,706	3,696	-0.8	0.3	0.7	3,543	3,632	3,649	3,866	-8.4
Nonmetallic mineral products	4,540	4,512	4,526	0.6	-0.3	2.4	4,308	4,374	4,466	4,456	-3.3
Primary metals	6,055	6,045	6,044	0.2	0.0	0.7	5,985	5,989	6,025	6,310	-5.2
Fabricated metal products	10,214	10,246	10,262	-0.3	-0.2	0.3	10,095	10,045	10,104	11,139	-9.4
Machinery	15,755	15,670	15,496	0.5	1.1	-0.2	15,647	15,394	15,358	15,945	-1.9
Computers and electronic products[1]	9,658	9,579	9,851	0.8	-2.8	0.2	9,891	9,239	10,347	11,165	-11.4
Electrical equipment, appliances, and components	5,398	5,461	5,472	-1.2	-0.2	-0.5	5,337	5,230	5,367	5,353	-0.3
Transportation equipment	14,556	14,447	14,087	0.8	2.6	-0.3	14,821	14,640	14,758	13,291	11.5
Furniture and related products	2,565	2,559	2,522	0.2	1.5	2.5	2,617	2,614	2,595	2,794	-6.3
Miscellaneous products	8,790	8,817	8,673	-0.3	1.7	0.0	8,915	8,897	8,751	8,445	5.6
Nondurable goods industries	81,433	80,783	79,756	0.8	1.3	0.5	82,457	81,153	80,334	81,992	0.6
Food products	19,513	19,357	19,070	0.8	1.5	1.0	20,775	20,008	19,448	19,532	6.4
Beverage and tobacco products	4,706	4,636	4,567	1.5	1.5	-1.7	4,947	4,672	4,542	4,792	3.2
Textiles	2,395	2,394	2,419	0.0	-1.0	-0.8	2,356	2,334	2,466	2,694	-12.5
Textile products	2,237	2,258	2,229	-0.9	1.3	0.5	2,213	2,235	2,221	2,082	6.3
Apparel	4,557	4,486	4,271	1.6	5.0	0.3	4,490	4,611	4,453	4,946	-9.2
Leather and allied products	1,043	1,026	1,014	1.7	1.2	3.3	1,064	1,061	1,062	1,026	3.7
Paper products	6,190	6,203	6,107	-0.2	1.6	-0.6	6,093	6,092	6,085	6,255	-2.6
Printing	1,591	1,594	1,609	-0.2	-0.9	0.8	1,585	1,628	1,703	1,686	-6.0
Petroleum and coal products	6,193	6,297	6,089	-1.7	3.4	-0.5	6,282	6,633	6,216	5,830	7.8
Basic chemicals	24,747	24,243	24,422	2.1	-0.7	0.5	24,555	23,835	24,381	25,445	-3.5
Plastics and rubber products	8,261	8,289	7,959	-0.3	4.1	1.9	8,097	8,044	7,757	7,704	5.1

[p] Preliminary [r] Revised [1] 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]			
	Oct 2002[p]	Sep 2002[r]	Aug 2002	Jul 2002	Oct 2002[p]	Sep 2002[r]	Aug 2002	Jul 2002
All manufacturing industries[2]	1.32	1.33	1.32	1.31	(X)	(X)	(X)	(X)
Durable goods industries[2]	1.49	1.51	1.50	1.48	3.93	3.97	4.02	3.95
Wood products	1.27	1.30	1.28	1.26	(X)	(X)	(X)	(X)
Nonmetallic mineral products	1.06	1.05	1.04	1.05	(X)	(X)	(X)	(X)
Primary metals	1.62	1.62	1.62	1.61	1.39	1.41	1.40	1.40
Fabricated metal products	1.45	1.45	1.44	1.43	1.92	1.90	1.91	1.94
Machinery	1.94	1.96	1.94	1.93	2.20	2.22	2.23	2.26
Computers and electronic products[2]	1.61	1.63	1.62	1.60	4.85	4.91	4.93	4.87
Electrical equipment, appliances, and components	1.40	1.43	1.44	1.43	1.73	1.75	1.71	1.69
Transportation equipment	1.32	1.35	1.35	1.30	7.47	7.60	7.85	7.54
Furniture and related products	1.26	1.28	1.25	1.23	1.10	1.10	1.09	1.11
Miscellaneous products	1.76	1.83	1.77	1.75	(X)	(X)	(X)	(X)
Nondurable goods industries	1.11	1.12	1.11	1.11	(X)	(X)	(X)	(X)
Food products	0.85	0.86	0.84	0.85	(X)	(X)	(X)	(X)
Beverage and tobacco products	1.68	1.63	1.57	1.57	(X)	(X)	(X)	(X)
Textiles	1.40	1.44	1.43	1.34	(X)	(X)	(X)	(X)
Textile products	1.47	1.48	1.48	1.48	(X)	(X)	(X)	(X)
Apparel	1.64	1.60	1.58	1.53	(X)	(X)	(X)	(X)
Leather and allied products	2.12	2.00	2.01	2.01	(X)	(X)	(X)	(X)
Paper products	1.13	1.11	1.08	1.13	(X)	(X)	(X)	(X)
Printing	0.73	0.72	0.72	0.75	(X)	(X)	(X)	(X)
Petroleum and coal products	0.69	0.71	0.71	0.71	(X)	(X)	(X)	(X)
Basic chemicals	1.39	1.38	1.44	1.42	(X)	(X)	(X)	(X)
Plastics and rubber products	1.17	1.18	1.14	1.11	(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		
	Oct[1] 2002	Oct[2] 1997-2001	Oct 2001-Sep 2002	Oct[1] 2002	Oct[2] 1997-2001	Oct 2001-Sep 2002	Oct[1] 2002	Oct[2] 1997-2001	Oct 2001-Sep 2002	Oct[1] 2002	Oct[2] 1997-2001	Oct 2001-Sep 2002
All manufacturing industries[3]	(X)	(NA)	0.2	(X)	(NA)	0.4	(X)	(NA)	0.2	(X)	(NA)	0.1
Durable goods industries[3]	0.1	(NA)	0.2	-0.4	(NA)	0.6	-0.2	(NA)	0.2	0.0	(NA)	0.2
Wood products	(X)	(NA)	0.7	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.5
Nonmetallic mineral products	(X)	(NA)	1.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.5
Primary metals	0.1	(NA)	0.4	0.1	(NA)	0.7	0.0	(NA)	0.3	0.0	(NA)	0.1
Fabricated metal products	-0.2	(NA)	0.3	-0.2	(NA)	0.9	0.0	(NA)	0.4	0.0	(NA)	0.3
Machinery	0.0	(NA)	0.5	0.0	(NA)	1.2	0.1	(NA)	0.4	0.0	(NA)	0.2
Computers and electronic products[3]	0.4	(NA)	0.7	-3.7	(NA)	1.1	-0.9	(NA)	0.3	0.0	(NA)	0.3
Electrical equipment, appliances, and components	0.0	(NA)	0.4	0.0	(NA)	1.1	0.0	(NA)	0.6	0.0	(NA)	0.2
Transportation equipment	0.1	(NA)	0.6	0.2	(NA)	1.3	0.0	(NA)	0.2	0.0	(NA)	0.3
Furniture and related products	(X)	(NA)	0.3	(X)	(NA)	0.8	(X)	(NA)	0.6	(X)	(NA)	0.2
Miscellaneous products	(X)	(NA)	0.5	(X)	(NA)	1.2	(X)	(NA)	2.2	(X)	(NA)	0.4
Nondurable goods industries	(X)	(NA)	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Food products	(X)	(NA)	0.8	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Beverage and tobacco products	(X)	(NA)	1.0	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Textiles	(X)	(NA)	0.9	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.6
Textile products	(X)	(NA)	0.8	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.3
Apparel	(X)	(NA)	0.7	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.5
Leather and allied products	(X)	(NA)	4.9	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	1.0
Paper products	(X)	(NA)	1.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.4
Printing	(X)	(NA)	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.3
Petroleum and coal products	(X)	(NA)	1.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.6
Basic chemicals	(X)	(NA)	0.9	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.3
Plastics and rubber products	(X)	(NA)	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	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] 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.