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Full Report on Manufacturers' Shipments, Inventories and Orders October 2012

Summary. New orders for manufactured goods in October, up three of the last four months, increased \$3.8 billion or 0.8 percent to \$477.6 billion, the U.S. Census Bureau reported today. This followed a 4.5 percent September increase. Excluding transportation, new orders increased 1.3 percent. Shipments, up three of the last four months, increased \$1.9 billion or 0.4 percent to \$482.3 billion. This followed a 0.7 percent September increase. Unfilled orders, up four of the last five months, increased \$2.8 billion or 0.3 percent to \$982.9 billion. This followed a 0.1 percent September increase. The unfilled orders-to-shipments ratio was 6.25, up from 6.24 in September. Inventories, up four consecutive months, increased \$0.5 billion or 0.1 percent to \$616.0 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.6 percent September increase. The inventories-to-shipments ratio was 1.28, unchanged from September.

New Orders. New orders for manufactured durable goods in October, up five of the last six months, increased \$1.1 billion or 0.5 percent to \$217.9 billion, revised from the previously published slight increase. This followed a 9.1 percent September increase. Machinery, up two consecutive months, had the largest increase, \$1.4 billion or 4.6 percent to \$31.3 billion. New orders for manufactured nondurable goods increased \$2.7 billion or 1.1 percent to \$259.7 billion.

Shipments. Shipments of manufactured durable goods in October, down two of the last three months, decreased \$0.8 billion or 0.4 percent to \$222.7 billion, revised from the previously published 0.6 percent decrease. This followed a 0.5 percent September increase. Transportation equipment, also down two of the last three months, had the largest decrease, \$0.6 billion or 1.0 percent to \$63.8 billion. Shipments of manufactured nondurable goods, up four consecutive months, increased \$2.7 billion or 1.1 percent to \$259.7 billion. This followed a 0.9 percent September increase. Petroleum and coal products, also up four consecutive months, led the increase, up \$1.5 billion or 1.9 percent to \$78.8 billion.

Unfilled Orders. Unfilled orders for manufactured durable goods in October, up four of the last five months, increased \$2.8 billion or 0.3 percent to \$982.9 billion, revised from the previously published 0.2 percent increase. This followed a 0.1 percent September increase. Transportation equipment, also up four of the last five months, had the largest increase, \$3.2 billion or 0.6 percent to \$576.9 billion.

Inventories. Inventories of manufactured durable goods in October, up thirty-three of the last thirty-four months, increased \$1.7 billion or 0.4 percent to \$374.5 billion, unchanged from the previously published increase. This was at the highest level since the series was first published on a NAICS basis and followed a 0.2 percent September increase. Transportation equipment, also up thirty-three of the last thirty-four months, had the largest increase, \$1.1 billion or 1.0 percent to \$113.8 billion. Inventories of manufactured nondurable goods, down following three consecutive monthly increases, decreased \$1.2 billion or 0.5 percent to \$241.5 billion. This followed a 1.1 percent September increase. Petroleum and coal products, also down following three consecutive monthly increases, drove the decrease, down \$1.3 billion or 2.3 percent to \$54.3 billion. By stage of fabrication, October materials and supplies increased 0.2 percent in durable goods and decreased 0.5 percent in nondurable goods. Work in process increased 0.3 percent in durable goods and decreased 1.8 percent in nondurable goods. Finished goods increased 0.9 percent in durable goods and 0.1 percent in nondurable goods.

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to <<http://www.census.gov/m3>>.

The advance report on durable goods for November is scheduled for release on December 24, 2012, at 8:30 a.m. EST and the full report on January 4, 2013, at 10:00 a.m. EST. See back page for survey description and 2013 release schedule.

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Table 1. Value of Manufacturers' Shipments for Industry Groups¹**[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Oct. 2012 ^p	Sept. 2012 ^r	Aug. 2012	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2012 ^p	Sept. 2012 ^r	Aug. 2012	Oct. 2011	2012 ^p	2011	Percent 2012/ 2011
All manufacturing industries.....	482,329	480,401	477,115	0.4	0.7	-0.2	496,503	485,837	497,536	471,056	4,792,731	4,580,052	4.6
Excluding transportation.....	418,546	415,991	413,221	0.6	0.7	1.1	428,930	418,568	429,483	409,496	4,153,152	4,003,798	3.7
Excluding defense.....	471,478	469,554	466,253	0.4	0.7	-0.3	486,154	473,745	486,776	461,253	4,686,080	4,469,000	4.9
With unfilled orders.....	157,294	157,169	156,043	0.1	0.7	-2.3	160,369	162,775	162,728	151,403	1,579,469	1,477,551	6.9
Durable goods industries.....	222,667	223,480	222,397	-0.4	0.5	-2.9	232,999	229,943	232,675	219,407	2,248,180	2,092,597	7.4
Wood products.....	6,363	6,196	6,219	2.7	-0.4	1.9	6,799	6,331	6,729	6,099	62,524	58,335	7.2
Nonmetallic mineral products.....	8,182	8,115	8,133	0.8	-0.2	0.6	8,973	8,286	9,216	8,467	82,370	79,123	4.1
Primary metals.....	27,905	28,242	28,029	-1.2	0.8	-0.4	28,405	27,828	29,575	27,013	290,058	253,005	14.6
Iron and steel mills.....	10,636	10,751	11,000	-1.1	-2.3	0.5	10,449	10,282	11,380	11,344	114,554	116,737	-1.9
Aluminum and nonferrous metals.....	15,492	15,721	15,263	-1.5	3.0	-1.0	16,166	15,760	16,361	13,990	157,044	119,960	30.9
Ferrous metal foundries.....	1,777	1,770	1,766	0.4	0.2	-1.5	1,790	1,786	1,834	1,679	18,460	16,308	13.2
Fabricated metal products.....	27,212	27,193	27,239	0.1	-0.2	0.3	28,851	27,912	29,531	27,743	278,090	265,670	4.7
Machinery.....	32,406	32,204	32,458	0.6	-0.8	-1.1	33,083	32,608	33,022	30,154	323,612	295,784	9.4
Farm machinery.....	1,658	1,584	1,614	4.7	-1.9	-13.7	1,605	1,458	1,461	2,429	21,807	25,379	-14.1
Construction machinery.....	5,486	5,567	5,516	-1.5	0.9	1.4	6,230	5,831	5,981	4,173	48,727	35,699	36.5
Mining, oil field, and gas field machinery.....	2,120	2,101	2,126	0.9	-1.2	-2.7	2,116	2,124	2,083	1,966	20,797	19,614	6.0
Industrial machinery.....	3,544	3,423	3,474	3.5	-1.5	-0.3	3,547	3,723	3,234	3,025	32,584	29,131	11.9
Photographic equipment.....	645	632	649	2.1	-2.6	0.8	672	672	706	669	6,481	6,628	-2.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,178	3,088	3,121	2.9	-1.1	-1.8	2,871	3,186	3,482	2,506	31,702	29,810	6.3
Metalworking machinery.....	2,541	2,495	2,498	1.8	-0.1	-1.2	2,717	2,480	2,599	2,265	24,392	20,338	19.9
Turbines, generators, and other power transmission equipment.....	3,381	3,423	3,418	-1.2	0.1	-1.8	3,505	3,297	3,415	3,432	36,446	34,376	6.0
Material handling equipment.....	2,887	2,841	2,820	1.6	0.7	0.1	2,984	2,779	3,018	2,747	27,955	25,230	10.8
Computers and electronic products ²	27,951	28,069	27,439	-0.4	2.3	-3.5	30,026	30,014	26,685	29,763	281,453	282,757	-0.5
Computers.....	912	1,128	980	-19.1	15.1	-0.6	1,085	1,334	879	2,103	11,360	15,476	-26.6
Computer storage devices.....	614	653	822	-6.0	-20.6	-23.7	418	919	740	526	7,232	6,363	13.7
Other peripheral equipment.....	842	911	867	-7.6	5.1	-0.7	748	1,168	776	861	8,440	8,400	0.5
Nondefense communications equipment.....	2,803	2,666	2,721	5.1	-2.0	2.9	2,563	3,155	2,599	2,375	26,397	27,076	-2.5
Defense communications equipment....	493	345	364	42.9	-5.2	3.4	500	380	361	454	4,011	5,012	-20.0
Audio and video equipment.....	235	258	244	-8.9	5.7	-5.1	263	251	195	259	2,208	2,100	5.1
Electronic components.....	3,502	3,477	3,540	0.7	-1.8	-0.6	3,431	3,673	3,692	3,488	35,474	36,059	-1.6
Nondefense search and navigation equipment.....	1,274	1,312	1,302	-2.9	0.8	-4.3	1,246	1,446	1,313	1,197	12,989	12,845	1.1
Defense search and navigation equipment.....	2,993	3,032	2,889	-1.3	4.9	-3.5	2,933	3,278	2,881	2,729	29,176	29,334	-0.5
Electromedical, measuring, and control instruments.....	6,207	6,316	6,039	-1.7	4.6	-2.0	5,903	6,993	5,792	6,483	65,878	67,883	-3.0
Electrical equipment, appliances, and components.....	9,833	9,798	9,887	0.4	-0.9	-0.6	10,064	10,302	10,336	9,773	99,889	97,310	2.7
Electric lighting equipment.....	886	859	900	3.1	-4.6	0.7	916	879	920	898	8,961	9,360	-4.3
Household appliances.....	1,608	1,600	1,571	0.5	1.8	0.9	1,653	1,646	1,621	1,502	15,771	14,998	5.2
Electrical equipment.....	2,970	3,002	3,059	-1.1	-1.9	-1.4	2,824	3,264	3,157	2,882	31,091	30,248	2.8
Batteries.....	967	1,001	1,003	-3.4	-0.2	2.2	1,168	1,115	1,079	1,138	9,625	9,199	4.6
Transportation equipment.....	63,783	64,410	63,894	-1.0	0.8	-8.0	67,573	67,269	68,053	61,560	639,579	576,254	11.0
Automobiles.....	8,893	8,833	8,552	0.7	3.3	-2.8	10,113	8,914	9,467	8,390	88,269	70,843	24.6
Light trucks and utility vehicles.....	12,805	13,737	14,211	-6.8	-3.3	-11.7	14,629	14,179	15,651	13,339	135,099	116,399	16.1
Heavy duty trucks.....	2,118	2,178	2,289	-2.8	-4.8	-6.9	2,251	2,203	2,397	2,542	24,783	21,847	13.4
Motor vehicle bodies, parts, and trailers.....	18,685	18,305	18,464	2.1	-0.9	-15.8	20,599	18,213	20,329	18,983	189,762	180,593	5.1
Nondefense aircraft and parts.....	10,359	10,426	9,177	-0.6	13.6	-5.9	9,454	11,387	9,058	8,273	93,068	76,550	21.6
Defense aircraft and parts.....	4,516	4,456	4,587	1.3	-2.9	5.9	4,158	5,210	4,537	3,968	44,997	44,671	0.7
Ships and boats.....	2,250	2,171	2,277	3.6	-4.7	2.6	2,215	2,231	2,222	2,151	22,262	22,291	-0.1
Furniture and related products.....	5,428	5,422	5,373	0.1	0.9	0.9	5,358	5,472	5,854	5,068	53,997	51,902	4.0
Miscellaneous durable goods.....	13,604	13,831	13,726	-1.6	0.8	1.2	13,867	13,921	13,674	13,407	136,608	132,457	3.1
Nondurable goods industries.....	259,662	256,921	254,718	1.1	0.9	2.2	263,504	255,894	264,861	252,009	2,544,551	2,487,455	2.3
Food products.....	61,301	60,822	60,712	0.8	0.2	0.0	65,103	62,124	61,843	63,712	604,125	588,348	2.7
Grain and oilseed milling.....	8,319	8,269	8,329	0.6	-0.7	2.0	9,383	8,166	8,717	9,040	81,524	78,965	3.2
Dairy products.....	8,426	8,221	8,177	2.5	0.5	1.1	8,752	8,308	8,494	8,894	82,705	86,773	-4.7
Meat, poultry, and seafood products...	16,788	16,608	16,485	1.1	0.7	-1.5	17,217	16,603	16,756	17,172	167,330	164,103	2.0
Beverage and tobacco products.....	12,642	12,294	12,952	2.8	-5.1	2.4	12,619	12,223	13,545	11,807	124,440	117,099	6.3
Beverages.....	9,201	9,197	9,179	0.0	0.2	-1.0	9,178	9,126	9,772	8,482	90,902	83,869	8.4
Tobacco.....	3,441	3,097	3,773	11.1	-17.9	11.8	3,441	3,097	3,773	3,325	33,538	33,230	0.9
Textile mills.....	2,489	2,467	2,466	0.9	0.0	-0.1	2,532	2,505	2,621	2,523	25,230	25,724	-1.9
Textile products.....	1,978	1,962	1,983	0.8	-1.1	1.3	1,993	1,961	2,078	1,922	19,901	18,992	4.8
Apparel.....	1,324	1,277	1,304	3.7	-2.1	0.8	1,524	1,324	1,459	1,425	12,653	11,974	5.7
Leather and allied products.....	458	437	440	4.8	-0.7	-1.8	473	473	464	451	4,598	4,575	0.5
Paper products.....	13,937	13,860	13,871	0.6	-0.1	-0.2	14,474	13,865	14,524	14,258	140,211	142,576	-1.7
Pulp, paper, and paperboard mills.....	6,562	6,498	6,488	1.0	0.2	0.1	6,807	6,539	6,800	6,736	65,810	67,070	-1.9
Paperboard containers.....	4,060	4,082	4,067	-0.5	0.4	-0.8	4,278	4,030	4,266	4,197	41,201	42,077	-2.1
Printing.....	6,769	6,668	6,692	1.5	-0.4	1.0	7,272	6,925	6,939	7,021	67,031	68,138	-1.6
Petroleum and coal products.....	78,821	77,324	74,953	1.9	3.2	7.3	76,876	76,118	79,142	69,724	733,429	696,306	5.3
Petroleum refineries.....	74,677	73,220	70,830	2.0	3.4	7.6	72,187	71,602	74,046	65,395	689,690	655,132	5.3
Chemical products.....	62,505	62,442	62,095	0.1	0.6	0.3	62,666	61,312	63,906	61,916	635,467	643,538	-1.3
Pesticides, fertilizers, and other agricultural chemicals.....	3,239	3,262	3,062	-0.7	6.5	1.0	2,530	2,793	2,672	2,339	32,159	30,398	5.8
Pharmaceuticals and medicines.....	13,665	13,496	13,684	1.3	-1.4	-2.9	14,439	12,938	13,965	14,497	140,887	149,488	-5.8
Paints, coatings, and adhesives.....	2,725	2,736	2,733	-0.4	0.1	-2.5	2,775	2,719	2,985	2,811	29,212	27,510	6.2
Plastics and rubber products.....	17,438	17,368	17,250	0.4	0.7	-0.3	17,972	17,064	18,340	17,250	177,466	170,185	4.3

^p Preliminary^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes. See note at end of Table 2 relating to survey error and revision.

² Estimates and percent changes of shipments for the semiconductor industry are no longer shown separately, but are included in computers and electronic products, and all other applicable aggregate totals.

Table 2. Value of Manufacturers' New Orders for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Oct. 2012 ^P	Sept. 2012 ^F	Aug. 2012	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2012 ^P	Sept. 2012 ^F	Aug. 2012	Oct. 2011	2012 ^P	2011	Percent 2012/ 2011
All manufacturing industries ²	477,577	473,786	453,411	0.8	4.5	-5.1	485,893	478,659	468,249	462,050	4,723,719	4,564,426	3.5
Excluding transportation ²	410,581	405,220	400,540	1.3	1.2	0.7	416,928	407,014	413,115	405,119	4,074,710	3,972,313	2.6
Excluding defense ²	466,661	462,764	444,507	0.8	4.1	-4.5	477,192	466,163	461,087	454,486	4,620,064	4,447,753	3.9
With unfilled orders ²	160,115	157,989	139,495	1.3	13.3	-16.4	160,101	162,407	140,379	151,149	1,583,678	1,530,121	3.5
Durable goods industries ²	217,915	216,865	198,693	0.5	9.1	-13.1	222,389	222,765	203,388	210,041	2,179,168	2,076,971	4.9
Primary metals.....	28,421	27,966	26,908	1.6	3.9	-2.5	28,576	26,577	28,172	26,514	284,065	251,971	12.7
Iron and steel mills.....	11,059	10,523	10,183	5.1	3.3	-3.2	10,424	9,356	10,431	10,554	110,246	113,343	-2.7
Aluminum and nonferrous metals.....	15,568	15,758	15,033	-1.2	4.8	-1.3	16,365	15,584	15,987	14,185	155,409	121,765	27.6
Ferrous metal foundries.....	1,794	1,685	1,692	6.5	-0.4	-8.2	1,787	1,637	1,754	1,775	18,410	16,863	9.2
Fabricated metal products.....	27,237	27,013	27,421	0.8	-1.5	-0.9	28,003	27,372	28,888	27,510	282,236	271,353	4.0
Machinery.....	31,299	29,936	27,778	4.6	7.8	-6.1	32,235	29,408	26,921	33,983	313,933	324,363	-3.2
Construction machinery.....	4,688	4,754	4,493	-1.4	5.8	13.8	5,478	4,927	4,263	5,493	42,877	41,803	2.6
Mining, oil field, and gas field machinery.....	2,013	2,060	1,414	-2.3	45.7	-5.2	2,183	1,804	1,319	1,818	19,337	26,361	-26.6
Industrial machinery.....	3,177	3,159	3,468	0.6	-8.9	9.6	3,318	3,302	3,082	2,742	31,918	29,129	9.6
Photographic equipment.....	697	629	639	10.8	-1.6	-2.6	703	723	655	610	6,995	6,805	2.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,467	3,200	1,187	8.3	169.6	-66.0	2,999	2,940	1,269	2,542	31,782	31,174	2.0
Metalworking machinery.....	2,590	2,507	2,356	3.3	6.4	1.1	2,811	2,442	2,378	2,418	24,163	22,057	9.5
Turbines, generators, and other power transmission equipment.....	3,039	2,687	2,587	13.1	3.9	-2.7	3,072	2,560	2,483	4,619	34,520	40,577	-14.9
Material handling equipment.....	2,841	2,568	2,953	10.6	-13.0	4.8	2,748	2,680	3,119	2,534	28,164	26,042	8.1
Computers and electronic products ²	20,416	20,318	20,428	0.5	-0.5	-4.0	19,311	24,060	19,140	21,758	213,992	214,589	-0.3
Computers.....	930	1,154	1,035	-19.4	11.5	15.0	1,103	1,360	934	2,104	11,411	15,363	-25.7
Nondefense communications equipment.....	2,719	2,515	2,625	8.1	-4.2	-8.5	2,655	3,509	2,650	3,174	29,751	27,277	9.1
Defense communications equipment.....	395	280	356	41.1	-21.3	-9.9	334	428	283	293	3,451	4,227	-18.4
Electronic components.....	3,591	3,499	3,474	2.6	0.7	-1.3	3,511	3,614	3,699	3,582	35,622	36,403	-2.1
Nondefense search and navigation equipment.....	1,674	1,682	1,684	-0.5	-0.1	7.6	1,679	1,818	1,573	1,361	16,814	13,547	24.1
Defense search and navigation equipment.....	2,798	2,672	2,960	4.7	-9.7	-4.2	2,494	2,945	2,641	2,606	28,396	28,031	1.3
Electromedical, measuring, and control instruments.....	6,115	6,158	5,846	-0.7	5.3	-6.0	5,512	7,441	5,130	6,456	65,600	68,865	-4.7
Electrical equipment, appliances, and components.....	9,897	9,445	9,815	4.8	-3.8	2.6	10,144	9,646	10,221	10,106	99,743	100,350	-0.6
Electric lighting equipment.....	907	870	875	4.3	-0.6	-1.0	919	940	893	841	9,033	9,578	-5.7
Household appliances.....	1,620	1,604	1,568	1.0	2.3	3.4	1,651	1,642	1,631	1,496	15,763	15,085	4.5
Electrical equipment.....	3,054	2,844	3,064	7.4	-7.2	1.7	2,943	2,872	3,092	2,994	31,222	31,386	-0.5
Transportation equipment.....	66,996	68,566	52,871	-2.3	29.7	-33.7	68,965	71,645	55,134	56,931	649,009	592,113	9.6
Motor vehicle bodies, parts, and trailers.....	18,543	17,998	18,445	3.0	-2.4	-15.7	20,415	18,014	20,077	18,874	188,051	180,034	4.5
Nondefense aircraft and parts.....	13,799	14,616	533	-5.6	2,642.2	-97.2	12,356	15,571	30	6,102	110,843	91,216	21.5
Defense aircraft and parts.....	5,666	5,923	4,490	-4.3	31.9	-1.4	4,997	6,497	3,236	3,649	46,989	46,426	1.2
Ships and boats.....	1,739	1,564	1,347	11.2	16.1	-45.0	1,372	1,620	1,065	1,055	17,080	24,338	-29.8
Furniture and related products.....	5,441	5,486	5,397	-0.8	1.6	0.4	5,457	5,526	5,296	5,207	54,685	52,337	4.5
Nondurable goods industries.....	259,662	256,921	254,718	1.1	0.9	2.2	263,504	255,894	264,861	252,009	2,544,551	2,487,455	2.3

^P Preliminary^F Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups¹**[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Oct. 12/11
	Oct. 2012 ^p	Sept. 2012 ^r	Aug. 2012	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2012 ^p	Sept. 2012 ^r	Aug. 2012	Oct. 2011	
All manufacturing industries ²	982,945	980,124	979,304	0.3	0.1	-1.7	970,132	970,400	970,768	928,844	4.4
Excluding transportation ²	406,017	406,409	409,745	-0.1	-0.8	-1.3	400,036	401,696	406,440	398,716	0.3
Excluding defense ²	792,990	790,234	789,589	0.3	0.1	-1.8	783,613	782,233	783,005	738,270	6.1
Durable goods industries ²	982,945	980,124	979,304	0.3	0.1	-1.7	970,132	970,400	970,768	928,844	4.4
Primary metals.....	31,922	31,406	31,682	1.6	-0.9	-3.4	30,009	29,838	31,089	32,116	-6.6
Iron and steel mills.....	17,557	17,134	17,362	2.5	-1.3	-4.5	16,111	16,136	17,062	17,160	-6.1
Aluminum and nonferrous metals.....	10,948	10,872	10,835	0.7	0.3	-2.1	10,591	10,392	10,568	11,769	-10.0
Ferrous metal foundries.....	3,417	3,400	3,485	0.5	-2.4	-2.1	3,307	3,310	3,459	3,187	3.8
Fabricated metal products.....	82,891	82,866	83,046	0.0	-0.2	0.2	81,517	82,365	82,905	77,083	5.8
Machinery.....	126,542	127,649	129,917	-0.9	-1.7	-3.5	124,783	125,631	128,831	131,505	-5.1
Construction machinery.....	22,090	22,888	23,701	-3.5	-3.4	-4.1	20,969	21,721	22,625	26,525	-20.9
Mining, oil field, and gas field machinery.....	18,582	18,689	18,730	-0.6	-0.2	-3.7	18,731	18,664	18,984	20,348	-7.9
Industrial machinery.....	7,794	8,161	8,425	-4.5	-3.1	-0.1	7,730	7,959	8,380	8,592	-10.0
Photographic equipment.....	2,924	2,872	2,875	1.8	-0.1	-0.3	2,976	2,945	2,894	2,705	10.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,763	8,474	8,362	3.4	1.3	-18.8	8,470	8,342	8,588	8,373	1.2
Metalworking machinery.....	7,217	7,168	7,156	0.7	0.2	-1.9	7,079	6,985	7,023	7,220	-2.0
Turbines, generators, and other power transmission equipment.....	25,800	26,142	26,878	-1.3	-2.7	-3.0	25,571	26,004	26,741	24,882	2.8
Material handling equipment.....	8,076	8,122	8,395	-0.6	-3.3	1.6	7,942	8,178	8,277	7,630	4.1
Computers and electronic products ²	136,461	136,423	136,739	0.0	-0.2	0.1	135,872	136,245	135,389	130,940	3.8
Computers.....	1,207	1,189	1,163	1.5	2.2	5.0	1,207	1,189	1,163	1,151	4.9
Nondefense communications equipment.....	28,292	28,376	28,527	-0.3	-0.5	-0.3	28,741	28,649	28,295	25,653	12.0
Defense communications equipment.....	5,052	5,150	5,215	-1.9	-1.2	-0.2	5,014	5,180	5,132	6,165	-18.7
Electronic components.....	13,214	13,125	13,103	0.7	0.2	-0.5	13,216	13,136	13,195	13,251	-0.3
Nondefense search and navigation equipment.....	13,890	13,490	13,120	3.0	2.8	3.0	13,902	13,469	13,097	9,812	41.7
Defense search and navigation equipment.....	45,797	45,992	46,352	-0.4	-0.8	0.2	45,068	45,507	45,840	45,749	-1.5
Electromedical, measuring, and control instruments.....	29,009	29,101	29,259	-0.3	-0.5	-0.7	28,724	29,115	28,667	29,159	-1.5
Electrical equipment, appliances, and components.....	20,817	20,753	21,106	0.3	-1.7	-0.3	20,582	20,502	21,158	20,169	2.0
Electric lighting equipment.....	1,051	1,030	1,019	2.0	1.1	-2.4	1,107	1,104	1,043	1,197	-7.5
Household appliances.....	677	665	661	1.8	0.6	-0.5	641	643	647	624	2.7
Electrical equipment.....	9,738	9,654	9,812	0.9	-1.6	0.1	9,637	9,518	9,910	9,328	3.3
Transportation equipment.....	576,928	573,715	569,559	0.6	0.7	-1.9	570,096	568,704	564,328	530,128	7.5
Motor vehicle bodies, parts, and trailers.....	15,982	16,124	16,431	-0.9	-1.9	-0.1	15,407	15,591	15,790	15,984	-3.6
Nondefense aircraft and parts.....	407,192	403,752	399,562	0.9	1.0	-2.1	403,532	400,630	396,446	356,220	13.3
Defense aircraft and parts.....	62,854	61,704	60,237	1.9	2.4	-0.2	61,348	60,509	59,222	57,892	6.0
Ships and boats.....	17,286	17,797	18,404	-2.9	-3.3	-4.8	16,606	17,449	18,060	23,920	-30.6
Furniture and related products.....	6,471	6,458	6,394	0.2	1.0	0.4	6,360	6,261	6,207	6,046	5.2

^p Preliminary^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data.

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

Table 4. Value of Manufacturers' Inventories for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Oct. 12/11
	Oct. 2012 ^p	Sept. 2012 ^f	Aug. 2012	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2012 ^p	Sept. 2012 ^f	Aug. 2012	Oct. 2011	
All manufacturing industries.....	615,950	615,453	611,959	0.1	0.6	0.6	618,736	614,642	615,526	600,610	3.0
Excluding transportation.....	502,180	502,758	499,769	-0.1	0.6	0.5	504,631	502,397	501,994	497,396	1.5
Excluding defense.....	590,352	589,697	585,635	0.1	0.7	0.6	593,124	589,026	589,269	574,579	3.2
With unfilled orders.....	303,591	302,277	301,397	0.4	0.3	0.6	303,516	300,852	304,590	287,236	5.7
Durable goods industries.....	374,473	372,820	371,952	0.4	0.2	0.6	374,493	371,034	375,663	355,734	5.3
Wood products.....	9,081	9,058	8,973	0.3	0.9	0.5	9,177	9,104	8,924	8,756	4.8
Nonmetallic mineral products.....	11,684	11,642	11,692	0.4	-0.4	0.6	11,361	11,455	11,558	11,037	2.9
Primary metals.....	34,686	34,285	34,105	1.2	0.5	0.0	34,328	34,330	34,343	34,832	-1.4
Iron and steel mills.....	20,129	19,879	19,785	1.3	0.5	-0.3	19,864	19,966	19,933	20,896	-4.9
Aluminum and nonferrous metals.....	12,428	12,257	12,163	1.4	0.8	0.5	12,341	12,263	12,276	11,909	3.6
Ferrous metal foundries.....	2,129	2,149	2,157	-0.9	-0.4	0.6	2,123	2,101	2,134	2,027	4.7
Fabricated metal products.....	46,249	46,069	45,966	0.4	0.2	0.2	46,000	45,972	46,263	44,936	2.4
Machinery.....	66,896	66,990	66,997	-0.1	0.0	0.6	66,681	66,369	67,552	61,392	8.6
Farm machinery.....	3,831	3,780	3,738	1.3	1.1	1.3	3,433	3,468	3,548	3,067	11.9
Construction machinery.....	5,990	6,047	6,080	-0.9	-0.5	0.5	5,960	6,033	6,024	4,994	19.3
Mining, oil field, and gas field machinery.....	7,890	7,838	7,780	0.7	0.7	1.2	7,780	7,813	7,925	6,645	17.1
Industrial machinery.....	7,182	7,165	7,206	0.2	-0.6	0.5	7,182	7,204	7,285	7,182	0.0
Photographic equipment.....	1,469	1,467	1,473	0.1	-0.4	-0.3	1,514	1,475	1,512	1,522	-0.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,061	4,075	4,079	-0.3	-0.1	0.1	4,048	4,003	4,174	4,123	-1.8
Metalworking machinery.....	5,504	5,496	5,471	0.1	0.5	0.0	5,613	5,645	5,563	5,124	9.5
Turbines, generators, and other power transmission equipment.....	11,075	11,206	11,149	-1.2	0.5	0.9	11,369	11,049	11,527	10,173	11.8
Material handling equipment.....	4,522	4,485	4,499	0.8	-0.3	1.6	4,528	4,512	4,587	3,859	17.3
Computers and electronic products ²	46,412	46,575	46,503	-0.3	0.2	0.1	46,839	46,214	47,351	46,176	1.4
Computers.....	1,178	1,114	1,155	5.7	-3.5	-3.5	1,196	1,143	1,233	1,314	-9.0
Computer storage devices.....	1,048	1,035	1,080	1.3	-4.2	-0.2	1,105	1,006	1,161	1,166	-5.2
Other peripheral equipment.....	1,646	1,657	1,704	-0.7	-2.8	-1.0	1,677	1,610	1,782	1,720	-2.5
Nondefense communications equipment.....	6,937	6,993	6,962	-0.8	0.4	-0.8	7,041	6,885	7,060	6,887	2.2
Defense communications equipment.....	1,490	1,616	1,591	-7.8	1.6	2.3	1,490	1,616	1,591	2,165	-31.2
Audio and video equipment.....	682	680	660	0.3	3.0	1.9	780	780	728	665	17.3
Electronic components.....	7,316	7,353	7,302	-0.5	0.7	-0.1	7,396	7,263	7,274	6,973	6.1
Nondefense search and navigation equipment.....	3,358	3,325	3,385	1.0	-1.8	0.4	3,425	3,321	3,451	3,292	4.0
Defense search and navigation equipment.....	2,707	2,701	2,706	0.2	-0.2	-2.7	2,704	2,629	2,720	2,808	-3.7
Electromedical, measuring and control instruments.....	11,870	11,906	11,844	-0.3	0.5	0.5	11,920	11,749	12,083	11,852	0.6
Electrical equipment, appliances, and components.....	15,735	15,554	15,435	1.2	0.8	-0.2	15,658	15,248	15,650	15,048	4.1
Electric lighting equipment.....	1,788	1,800	1,786	-0.7	0.8	0.5	1,764	1,778	1,814	1,633	8.0
Household appliances.....	1,666	1,665	1,652	0.1	0.8	-0.4	1,701	1,729	1,729	1,771	-4.0
Electrical equipment.....	4,593	4,572	4,625	0.5	-1.1	-0.9	4,584	4,329	4,684	4,559	0.5
Batteries.....	1,045	1,054	1,063	-0.9	-0.8	0.6	1,046	1,063	1,101	1,047	-0.1
Transportation equipment.....	113,770	112,695	112,190	1.0	0.5	1.5	114,105	112,245	113,532	103,214	10.6
Automobiles.....	3,006	2,913	2,811	3.2	3.6	6.1	3,120	2,891	2,860	2,766	12.8
Light trucks and utility vehicles.....	2,696	2,548	2,572	5.8	-0.9	-1.4	2,834	2,621	2,743	2,725	4.0
Heavy duty trucks.....	2,170	2,120	2,111	2.4	0.4	2.9	2,280	2,122	2,198	2,114	7.9
Motor vehicle bodies, parts, and trailers.....	17,804	17,709	17,661	0.5	0.3	0.3	17,707	17,597	17,633	16,996	4.2
Nondefense aircraft and parts.....	61,975	61,158	60,259	1.3	1.5	2.0	61,946	60,798	61,157	53,245	16.3
Defense aircraft and parts.....	13,160	13,170	13,615	-0.1	-3.3	2.0	13,264	13,257	13,715	12,958	2.4
Ships and boats.....	3,072	3,083	3,107	-0.4	-0.8	1.3	3,056	3,027	3,054	2,930	4.3
Furniture and related products.....	6,215	6,173	6,160	0.7	0.2	-0.2	6,196	6,185	6,263	5,990	3.4
Miscellaneous durable goods.....	23,745	23,779	23,931	-0.1	-0.6	-0.5	24,148	23,912	24,227	24,353	-0.8
Nondurable goods industries.....	241,477	242,633	240,007	-0.5	1.1	0.7	244,243	243,608	239,863	244,876	-0.3
Food products.....	45,977	45,491	45,154	1.1	0.7	0.7	48,917	46,116	45,438	47,503	3.0
Grain and oilseed milling.....	5,625	5,583	5,411	0.8	3.2	3.7	5,932	5,379	5,277	5,357	10.7
Dairy products.....	5,919	5,837	5,819	1.4	0.3	0.6	5,921	5,867	6,002	6,004	-1.4
Meat, poultry, and seafood products.....	7,860	7,813	7,746	0.6	0.9	0.5	8,139	7,924	7,789	7,831	3.9
Beverage and tobacco products.....	18,985	18,728	18,466	1.4	1.4	-0.3	19,699	18,540	17,795	18,347	7.4
Beverages.....	15,218	14,963	14,737	1.7	1.5	-0.4	15,878	14,896	14,277	14,591	8.8
Tobacco.....	3,767	3,765	3,729	0.1	1.0	0.1	3,821	3,644	3,518	3,756	1.7
Textile mills.....	3,386	3,377	3,383	0.3	-0.2	-0.1	3,367	3,374	3,386	3,529	-4.6
Textile products.....	3,154	3,153	3,142	0.0	0.4	-0.7	3,149	3,175	3,170	3,223	-2.3
Apparel.....	2,408	2,385	2,347	1.0	1.6	1.3	2,478	2,548	2,491	2,290	8.2
Leather and allied products.....	851	853	846	-0.2	0.8	1.2	850	863	869	801	6.1
Paper products.....	13,979	14,014	14,129	-0.2	-0.8	-0.9	13,924	14,027	14,141	14,325	-2.8
Pulp, paper, and paperboard mills.....	6,002	6,062	6,184	-1.0	-2.0	-1.7	5,951	6,065	6,174	6,328	-6.0
Paperboard containers.....	4,128	4,093	4,078	0.9	0.4	0.3	4,086	4,060	4,067	4,011	1.9
Printing.....	5,246	5,265	5,358	-0.4	-1.7	-0.2	5,425	5,353	5,500	5,606	-3.2
Petroleum and coal products.....	54,315	55,589	53,666	-2.3	3.6	3.9	53,845	56,102	53,204	52,720	2.1
Petroleum refineries.....	49,998	51,287	49,445	-2.5	3.7	4.0	49,518	51,782	48,867	48,613	1.9
Chemical products.....	71,522	72,272	72,154	-1.0	0.2	-0.5	71,186	72,069	72,481	75,317	-5.5
Pesticides, fertilizers, and other agricultural chemicals.....	4,004	4,110	4,153	-2.6	-1.0	3.9	3,797	3,820	3,778	3,961	-4.1
Pharmaceuticals and medicines.....	23,791	24,238	23,829	-1.8	1.7	-0.5	23,831	24,208	24,117	24,764	-3.8
Paints, coatings, and adhesives.....	2,881	2,889	2,914	-0.3	-0.9	-1.1	2,760	2,831	2,933	2,827	-2.4
Plastics and rubber products.....	21,654	21,506	21,362	0.7	0.7	0.0	21,403	21,441	21,388	21,215	0.9

^p Preliminary^f Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.² Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable aggregate totals, but are not shown separately.

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

Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series^{1, 2}

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly			Year to date		Percent Change ⁶ 2012/ 2011	
	Oct. 2012 ^p	Sept. 2012 ^f	Aug. 2012	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2012 ^p	Sept. 2012 ^f	Aug. 2012	Oct. 2011	2012 ^p		2011
SHIPMENTS													
All manufacturing industries.....	482,329	480,401	477,115	0.4	0.7	-0.2	496,503	485,837	497,536	471,056	4,792,731	4,580,052	4.6
Construction materials and supplies.....	40,790	40,365	40,569	1.1	-0.5	0.4	43,613	41,592	45,070	41,478	416,093	396,403	5.0
Information technology.....	20,923	21,125	20,746	-1.0	1.8	-2.5	20,428	23,601	20,320	21,545	213,680	218,635	-2.3
Computers and related products.....	2,368	2,692	2,669	-12.0	0.9	-9.1	2,251	3,421	2,395	3,490	27,032	30,239	-10.6
Motor vehicle and parts.....	42,501	43,053	43,516	-1.3	-1.1	-11.7	47,592	43,509	47,844	43,254	437,913	389,682	12.4
Capital goods.....	78,305	78,737	77,324	-0.5	1.8	-1.8	77,907	83,041	77,710	74,458	778,630	736,558	5.7
Nondefense capital goods ³	69,972	70,173	69,199	-0.3	1.4	-1.8	69,916	73,626	69,628	66,796	695,996	647,671	7.5
Excluding aircraft.....	62,778	62,850	63,065	-0.1	-0.3	-1.1	63,386	65,834	63,448	61,528	634,796	602,645	5.3
Defense capital goods ⁴	8,333	8,564	8,125	-2.7	5.4	-1.5	7,991	9,415	8,082	7,662	82,634	88,887	-7.0
Consumer goods.....	212,057	210,519	208,943	0.7	0.8	1.4	217,851	210,384	217,433	204,826	2,064,840	1,974,038	4.6
Consumer durable goods.....	34,479	35,559	35,572	-3.0	0.0	-5.3	37,606	36,287	37,937	34,157	352,839	312,388	12.9
Consumer nondurable goods.....	177,578	174,960	173,371	1.5	0.9	2.9	180,245	174,097	179,496	170,669	1,712,001	1,661,650	3.0
NEW ORDERS													
All manufacturing industries ⁵	477,577	473,786	453,411	0.8	4.5	-5.1	485,893	478,659	468,249	462,050	4,723,719	4,564,426	3.5
Construction materials and supplies.....	41,175	40,472	38,914	1.7	4.0	-5.4	43,362	41,332	42,593	40,904	417,586	399,786	4.5
Information technology.....	20,871	20,574	20,898	1.4	-1.6	-3.2	19,966	24,246	19,622	22,423	219,465	220,093	-0.3
Computers and related products.....	2,386	2,718	2,724	-12.2	-0.2	-4.4	2,269	3,447	2,450	3,491	27,083	30,126	-10.1
Motor vehicle and parts.....	42,359	42,746	43,497	-0.9	-1.7	-11.7	47,408	43,310	47,592	43,145	436,202	389,123	12.1
Capital goods.....	79,962	79,328	63,861	0.8	24.2	-25.8	77,609	84,252	60,726	74,301	789,819	783,766	0.8
Nondefense capital goods ³	72,192	70,938	57,756	1.8	22.8	-23.9	71,801	74,796	55,769	68,891	710,410	689,346	3.1
Excluding aircraft.....	61,728	60,013	60,305	2.9	-0.5	0.3	62,553	62,971	58,394	66,456	633,129	632,549	0.1
Defense capital goods ⁴	7,770	8,390	6,105	-7.4	37.4	-40.0	5,808	9,456	4,957	5,410	79,409	94,420	-15.9
Consumer goods.....	212,122	210,555	209,000	0.7	0.7	1.5	217,929	210,416	217,275	204,939	2,064,968	1,973,998	4.6
Consumer durable goods.....	34,544	35,595	35,629	-3.0	-0.1	-5.1	37,684	36,319	37,779	34,270	352,967	312,348	13.0
Consumer nondurable goods.....	177,578	174,960	173,371	1.5	0.9	2.9	180,245	174,097	179,496	170,669	1,712,001	1,661,650	3.0
UNFILLED ORDERS													
All manufacturing industries ⁵	982,945	980,124	979,304	0.3	0.1	-1.7	970,132	970,400	970,768	928,844	(X)	(X)	4.4
Construction materials and supplies.....	56,139	55,754	55,647	0.7	0.2	-2.9	55,290	55,541	55,801	54,226	(X)	(X)	2.0
Information technology.....	135,522	135,574	136,125	0.0	-0.4	0.1	134,829	135,291	134,646	129,414	(X)	(X)	4.2
Computers and related products.....	1,207	1,189	1,163	1.5	2.2	5.0	1,207	1,189	1,163	1,151	(X)	(X)	4.9
Motor vehicle and parts.....	15,982	16,124	16,431	-0.9	-1.9	-0.1	15,407	15,591	15,790	15,984	(X)	(X)	-3.6
Capital goods.....	748,780	747,123	746,532	0.2	0.1	-1.8	740,635	740,933	739,722	701,423	(X)	(X)	5.6
Nondefense capital goods ³	583,879	581,659	580,894	0.4	0.1	-1.9	578,529	576,644	575,474	534,360	(X)	(X)	8.3
Excluding aircraft.....	233,949	234,999	237,836	-0.4	-1.2	-1.1	231,740	232,573	235,436	231,014	(X)	(X)	0.3
Defense capital goods ⁴	164,901	165,464	165,638	-0.3	-0.1	-1.2	162,106	164,289	164,248	167,063	(X)	(X)	-3.0
Consumer goods.....	4,070	4,005	3,969	1.6	0.9	1.5	3,875	3,797	3,765	3,597	(X)	(X)	7.7
Consumer durable goods.....	4,070	4,005	3,969	1.6	0.9	1.5	3,875	3,797	3,765	3,597	(X)	(X)	7.7
TOTAL INVENTORIES													
All manufacturing industries.....	615,950	615,453	611,959	0.1	0.6	0.6	618,736	614,642	615,526	600,610	(X)	(X)	3.0
Construction materials and supplies.....	59,361	59,174	59,062	0.3	0.2	0.0	59,000	59,092	59,350	57,942	(X)	(X)	1.8
Information technology.....	39,339	39,262	39,206	0.2	0.1	-0.1	39,728	38,930	39,995	39,759	(X)	(X)	-0.1
Computers and related products.....	3,872	3,806	3,939	1.7	-3.4	-1.5	3,978	3,759	4,176	4,200	(X)	(X)	-5.3
Motor vehicle and parts.....	25,676	25,290	25,155	1.5	0.5	0.9	25,941	25,231	25,434	24,601	(X)	(X)	5.4
Capital goods.....	194,357	193,808	193,524	0.3	0.1	0.9	194,668	192,435	195,898	180,710	(X)	(X)	7.7
Nondefense capital goods ³	173,476	172,744	171,930	0.4	0.5	0.8	173,877	171,598	174,471	159,948	(X)	(X)	8.7
Excluding aircraft.....	121,614	121,484	121,424	0.1	0.0	0.3	122,169	120,558	123,192	115,560	(X)	(X)	5.7
Defense capital goods ⁴	20,881	21,064	21,594	-0.9	-2.5	1.4	20,791	20,837	21,427	20,762	(X)	(X)	0.1
Consumer goods.....	182,637	183,412	180,589	-0.4	1.6	1.2	186,409	184,677	180,637	183,155	(X)	(X)	1.8
Consumer durable goods.....	25,613	25,340	25,324	1.1	0.1	0.3	26,094	25,460	25,784	25,275	(X)	(X)	3.2
Consumer nondurable goods.....	157,024	158,072	155,265	-0.7	1.8	1.3	160,315	159,217	154,853	157,880	(X)	(X)	1.5

X Not Applicable

^p Preliminary

^f Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Topical series are regroupings of the separate industry categories.

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

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Oct. 12/11
	Oct. 2012 ^p	Sept. 2012 ^f	Aug. 2012	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2012 ^p	Sept. 2012 ^f	Aug. 2012	Oct. 2011	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	203,988	204,091	203,358	-0.1	0.4	0.4	203,970	203,778	203,632	197,114	3.5
Durable goods industries.....	121,565	121,273	120,817	0.2	0.4	0.5	121,535	121,204	121,544	115,466	5.3
Wood products.....	3,573	3,585	3,622	-0.3	-1.0	1.0	3,732	3,683	3,618	3,515	6.2
Nonmetallic mineral products.....	4,582	4,624	4,688	-0.9	-1.4	-0.2	4,557	4,612	4,686	4,534	0.5
Primary metals.....	13,231	12,929	12,833	2.3	0.7	0.7	13,328	13,019	12,881	13,460	-1.0
Fabricated metal products.....	16,939	16,928	16,814	0.1	0.7	0.0	16,785	16,977	16,932	16,276	3.1
Machinery.....	26,032	26,097	26,090	-0.2	0.0	0.0	26,093	26,132	26,435	23,821	9.5
Computers and electronic products.....	17,748	17,725	17,463	0.1	1.5	1.1	17,804	17,582	17,553	16,527	7.7
Electrical equipment, appliances, and components.....	6,954	6,808	6,809	2.1	0.0	-0.6	6,818	6,631	6,870	6,486	5.1
Transportation equipment.....	21,770	21,859	21,710	-0.4	0.7	1.4	21,699	21,876	21,698	20,207	7.4
Furniture and related products.....	2,973	2,959	2,963	0.5	-0.1	-0.6	2,945	2,955	2,982	2,869	2.6
Miscellaneous products.....	7,763	7,759	7,825	0.1	-0.8	-0.4	7,774	7,737	7,889	7,771	0.0
Nondurable goods industries.....	82,423	82,818	82,541	-0.5	0.3	0.4	82,435	82,574	82,088	81,648	1.0
Food products.....	15,593	15,511	15,252	0.5	1.7	1.9	16,275	15,329	15,045	15,326	6.2
Beverage and tobacco products.....	4,908	4,910	4,946	0.0	-0.7	-0.1	4,937	4,738	4,714	4,647	6.2
Textiles.....	1,189	1,179	1,187	0.8	-0.7	-0.7	1,172	1,179	1,198	1,243	-5.7
Textile products.....	1,492	1,480	1,484	0.8	-0.3	-0.3	1,490	1,493	1,497	1,474	1.1
Apparel.....	837	805	763	4.0	5.5	1.2	843	826	773	662	27.3
Leather and allied products.....	266	269	271	-1.1	-0.7	6.7	268	277	279	262	2.3
Paper products.....	6,918	6,959	6,979	-0.6	-0.3	-1.3	6,918	6,970	6,986	7,033	-1.6
Printing.....	2,430	2,432	2,479	-0.1	-1.9	-0.8	2,480	2,476	2,518	2,629	-5.7
Petroleum and coal products.....	17,394	18,148	17,866	-4.2	1.6	2.1	17,114	18,255	17,608	16,478	3.9
Chemical products.....	22,668	22,469	22,718	0.9	-1.1	-1.1	22,384	22,403	22,820	23,405	-4.4
Plastics and rubber products.....	8,728	8,656	8,596	0.8	0.7	0.2	8,554	8,628	8,650	8,489	0.8
WORK IN PROCESS											
All manufacturing industries.....	190,256	190,714	188,931	-0.2	0.9	0.7	192,061	188,852	189,508	185,143	3.7
Durable goods industries.....	144,754	144,375	144,197	0.3	0.1	0.6	144,939	143,469	145,861	137,260	5.6
Wood products.....	1,542	1,548	1,514	-0.4	2.2	-1.2	1,552	1,547	1,507	1,486	4.4
Nonmetallic mineral products.....	1,395	1,390	1,384	0.4	0.4	1.2	1,335	1,365	1,368	1,238	7.8
Primary metals.....	10,988	10,932	10,964	0.5	-0.3	-1.3	10,804	10,898	11,253	11,129	-2.9
Fabricated metal products.....	13,587	13,472	13,546	0.9	-0.5	0.4	13,700	13,522	13,723	12,866	6.5
Machinery.....	16,538	16,546	16,676	0.0	-0.8	-0.4	16,732	16,364	16,877	16,246	3.0
Computers and electronic products.....	15,536	15,984	15,893	-2.8	0.6	-1.1	15,659	15,787	16,126	17,587	-11.0
Electrical equipment, appliances, and components.....	3,678	3,667	3,584	0.3	2.3	0.5	3,640	3,579	3,643	3,491	4.3
Transportation equipment.....	77,074	76,429	76,236	0.8	0.3	1.6	77,059	75,984	76,913	68,993	11.7
Furniture and related products.....	1,040	1,036	1,022	0.4	1.4	-1.4	1,030	1,035	1,028	977	5.4
Miscellaneous products.....	3,376	3,371	3,378	0.1	-0.2	-0.7	3,428	3,388	3,423	3,247	5.6
Nondurable goods industries.....	45,502	46,339	44,734	-1.8	3.6	1.1	47,122	45,383	43,647	47,883	-1.6
Food products.....	4,055	4,020	4,164	0.9	-3.5	1.5	5,092	3,632	3,712	4,763	6.9
Beverage and tobacco products.....	6,276	6,068	5,922	3.4	2.5	0.7	6,773	5,823	5,322	6,272	8.0
Textiles.....	774	776	772	-0.3	0.5	1.7	777	785	782	827	-6.0
Textile products.....	416	418	414	-0.5	1.0	-1.7	415	422	416	446	-7.0
Apparel.....	390	393	389	-0.8	1.0	1.3	388	408	415	362	7.2
Leather and allied products.....	114	115	112	-0.9	2.7	-9.7	111	111	108	120	-7.5
Paper products.....	1,285	1,269	1,248	1.3	1.7	-0.1	1,272	1,269	1,265	1,361	-6.5
Printing.....	1,191	1,199	1,243	-0.7	-3.5	0.6	1,296	1,245	1,342	1,406	-7.8
Petroleum and coal products.....	13,934	14,550	13,275	-4.2	9.6	5.3	13,877	14,304	13,072	14,428	-3.8
Chemical products.....	14,782	15,243	14,896	-3.0	2.3	-1.7	14,858	15,096	14,915	15,734	-5.6
Plastics and rubber products.....	2,285	2,288	2,299	-0.1	-0.5	-1.8	2,263	2,288	2,298	2,164	4.6
FINISHED GOODS											
All manufacturing industries.....	221,706	220,648	219,670	0.5	0.4	0.8	222,705	222,012	222,386	218,353	2.0
Durable goods industries.....	108,154	107,172	106,938	0.9	0.2	0.6	108,019	106,361	108,258	103,008	4.9
Wood products.....	3,966	3,925	3,837	1.0	2.3	0.8	3,893	3,874	3,799	3,755	3.7
Nonmetallic mineral products.....	5,707	5,628	5,620	1.4	0.1	1.1	5,469	5,478	5,504	5,265	3.9
Primary metals.....	10,467	10,424	10,308	0.4	1.1	0.6	10,196	10,413	10,209	10,243	-0.5
Fabricated metal products.....	15,723	15,669	15,606	0.3	0.4	0.1	15,515	15,473	15,608	15,794	-1.8
Machinery.....	24,326	24,347	24,231	-0.1	0.5	1.6	23,856	23,873	24,240	21,325	11.9
Computers and electronic products.....	13,128	12,866	13,147	2.0	-2.1	0.3	13,376	12,845	13,672	12,062	10.9
Electrical equipment, appliances, and components.....	5,103	5,079	5,042	0.5	0.7	-0.1	5,200	5,038	5,137	5,071	2.5
Transportation equipment.....	14,926	14,407	14,244	3.6	1.1	1.0	15,347	14,385	14,921	14,014	9.5
Furniture and related products.....	2,202	2,178	2,175	1.1	0.1	0.8	2,221	2,195	2,253	2,144	3.6
Miscellaneous products.....	12,606	12,649	12,728	-0.3	-0.6	-0.6	12,946	12,787	12,915	13,335	-2.9
Nondurable goods industries.....	113,552	113,476	112,732	0.1	0.7	0.9	114,686	115,651	114,128	115,345	-0.6
Food products.....	26,329	25,960	25,738	1.4	0.9	0.0	27,550	27,155	26,681	27,414	0.5
Beverage and tobacco products.....	7,801	7,750	7,598	0.7	2.0	-1.1	7,989	7,979	7,759	7,428	7.6
Textiles.....	1,423	1,422	1,424	0.1	-0.1	-0.7	1,418	1,410	1,406	1,459	-2.8
Textile products.....	1,246	1,255	1,244	-0.7	0.9	-0.8	1,244	1,260	1,257	1,303	-4.5
Apparel.....	1,181	1,187	1,195	-0.5	-0.7	1.4	1,247	1,314	1,303	1,266	-1.5
Leather and allied products.....	471	469	463	0.4	1.3	1.1	471	475	482	419	12.4
Paper products.....	5,776	5,786	5,902	-0.2	-2.0	-0.5	5,734	5,788	5,890	5,931	-3.3
Printing.....	1,625	1,634	1,636	-0.6	-0.1	-0.1	1,649	1,632	1,640	1,571	5.0
Petroleum and coal products.....	22,987	22,891	22,525	0.4	1.6	4.4	22,854	23,543	22,524	21,814	4.8
Chemical products.....	34,072	34,560	34,540	-1.4	0.1	0.4	33,944	34,570	34,746	36,178	-6.2
Plastics and rubber products.....	10,641	10,562	10,467	0.7	0.9	0.2	10,586	10,525	10,440	10,562	0.2

^p Preliminary^f Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

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 Group³

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Oct 2012 ^p	Sep 2012 ^r	Aug 2012	Jul 2012	Oct 2012 ^p	Sep 2012 ^r	Aug 2012	Jul 2012
All manufacturing industries ²	1.28	1.28	1.28	1.27	(X)	(X)	(X)	(X)
Durable goods industries ²	1.68	1.67	1.67	1.61	6.25	6.24	6.28	6.23
Wood products.....	1.43	1.46	1.44	1.46	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.43	1.43	1.44	1.44	(X)	(X)	(X)	(X)
Primary metals.....	1.24	1.21	1.22	1.21	1.14	1.11	1.13	1.17
Fabricated metal products.....	1.70	1.69	1.69	1.69	3.16	3.16	3.16	3.16
Machinery.....	2.06	2.08	2.06	2.03	4.18	4.24	4.28	4.42
Computers and electronic products ²	1.66	1.66	1.69	1.63	7.50	7.46	7.67	7.56
Electrical equipment, appliances, and components.....	1.60	1.59	1.56	1.55	2.35	2.36	2.38	2.36
Transportation equipment.....	1.78	1.75	1.76	1.59	14.44	14.47	14.66	13.79
Furniture and related products.....	1.14	1.14	1.15	1.16	1.38	1.38	1.37	1.38
Miscellaneous products.....	1.75	1.72	1.74	1.77	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.93	0.94	0.94	0.96	(X)	(X)	(X)	(X)
Food products.....	0.75	0.75	0.74	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.50	1.52	1.43	1.46	(X)	(X)	(X)	(X)
Textiles.....	1.36	1.37	1.37	1.37	(X)	(X)	(X)	(X)
Textile products.....	1.59	1.61	1.58	1.62	(X)	(X)	(X)	(X)
Apparel.....	1.82	1.87	1.80	1.79	(X)	(X)	(X)	(X)
Leather and allied products.....	1.86	1.95	1.92	1.87	(X)	(X)	(X)	(X)
Paper products.....	1.00	1.01	1.02	1.03	(X)	(X)	(X)	(X)
Printing.....	0.78	0.79	0.80	0.81	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.69	0.72	0.72	0.74	(X)	(X)	(X)	(X)
Chemical products.....	1.14	1.16	1.16	1.17	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.24	1.24	1.24	1.24	(X)	(X)	(X)	(X)

X Not Applicable

^p Preliminary

^r Revised data due to late receipts and concurrent seasonal adjustment.

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

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes³**[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]**

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Oct ¹ 2012	Oct ² 2011- Sep 2012	Oct ¹ 2012	Oct ² 2011- Sep 2012	Oct ¹ 2012	Oct ² 2011- Sep 2012	Oct ¹ 2012	Oct ² 2011- Sep 2012
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
Durable goods industries.....	0.2	0.2	0.5	0.4	0.1	0.1	0.0	0.1
Wood products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.1	0.8	-0.1	1.4	-0.2	0.6	0.1	0.5
Fabricated metal products.....	0.0	0.3	-0.3	0.7	-0.1	0.3	0.0	0.2
Machinery.....	0.6	0.8	1.7	1.2	0.2	0.2	-0.1	0.2
Computers and electronic products.....	-0.3	0.8	-0.4	1.1	0.0	0.2	0.2	0.2
Electrical equipment, appliances, and components.....	0.5	0.4	0.7	1.1	0.1	0.5	0.8	0.4
Transportation equipment.....	0.3	0.3	0.8	1.4	0.1	0.2	0.0	0.2
Furniture and related products.....	(X)	0.4	(X)	0.7	(X)	0.6	(X)	0.4
Miscellaneous products.....	(X)	0.7	(X)	0.7	(X)	0.5	(X)	0.4
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.7
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.6
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.5
Chemical products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable**NA Not Available**

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

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

³ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,300 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 65 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 4,300 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 4,300 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. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication.

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

2013 Release Dates for the M3 Survey

Survey month	Advance Report (8:30 a.m. release time)	Full Report (10:00 a.m. release time)
October 2012	November 27, 2012	December 5, 2012
November 2012	December 24, 2012	January 4, 2013
December 2012	January 28, 2013	February 4, 2013
January 2013	February 27, 2013	March 6, 2013
February 2013	March 26, 2013	April 2, 2013
March 2013	April 24, 2013	May 3, 2013
April 2013	May 24, 2013	June 5, 2013
May 2013	June 25, 2013	July 2, 2013
June 2013	July 25, 2013	August 2, 2013
July 2013	August 26, 2013	September 5, 2013
August 2013	September 25, 2013	October 3, 2013
September 2013	October 25, 2013	November 4, 2013

October 2013	November 27, 2013	December 5, 2013
November 2013	December 24, 2013	Not available at this time

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders Survey

