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Full Report on Manufacturers' Shipments, Inventories and Orders December 2010

Summary

New orders for manufactured goods in December, up five of the last six months, increased \$0.7 billion or 0.2 percent to \$426.8 billion, the U.S. Census Bureau reported today. This followed a 1.3 percent November increase. Excluding transportation, new orders increased 1.7 percent.

Shipments, up four consecutive months, increased \$8.4 billion or 2.0 percent to \$436.0 billion. This followed a 1.6 percent November increase.

Unfilled orders, down following eight consecutive monthly increases, decreased \$3.5 billion or 0.4 percent to \$822.8 billion. This followed a 0.5 percent November increase. The unfilled orders-to-shipments ratio was 5.58, down from 5.72 in November.

Inventories, up eleven of the last twelve months, increased \$5.8 billion or 1.1 percent to \$550.4 billion. This followed a 0.9 percent November increase. The inventories-to-shipments ratio was 1.26, down from 1.27 in November.

New Orders

New orders for manufactured durable goods in December, down three consecutive months, decreased \$4.5 billion or 2.3 percent to \$191.6 billion, revised from the previously published 2.5 percent decrease. This followed a 0.1 percent November decrease.

Transportation equipment, also down three consecutive months, had the largest decrease, \$5.7 billion or 12.7 percent to \$39.2 billion.

New orders for manufactured nondurable goods increased \$5.2 billion or 2.3 percent to \$235.2 billion.

Shipments

Shipments of manufactured durable goods in December, up three of the last four months, increased \$3.2 billion or 1.6 percent to \$200.8 billion, revised from the previously published 1.4 percent increase. This followed a 0.5 percent November increase.

Machinery, up four of the last five months, had the largest increase, \$1.7 billion or 6.6 percent to 27.1 billion.

Shipments of manufactured nondurable goods, up five consecutive months, increased \$5.2 billion or 2.3 percent to \$235.2 billion. This followed a 2.5 percent November increase. Petroleum and coal products, also up five consecutive months, led the increase, up \$5.1 billion or 8.8 percent to \$63.6 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in December, down following eight consecutive monthly increases, decreased \$3.5 billion or 0.4 percent to \$822.8 billion, unchanged from the previously published decrease. This followed a 0.5 percent November increase.

Transportation equipment, down two consecutive months, had the largest decrease, \$8.8 billion or 1.8 percent to \$473.4 billion.

Inventories

Inventories of manufactured durable goods in December, up twelve consecutive months, increased \$2.2 billion or 0.7 percent to \$322.1 billion, unchanged from the previously published increase. This followed a 0.9 percent November increase.

Transportation equipment, also up twelve consecutive months, had the largest increase, \$1.5 billion or 1.7 percent to \$86.2 billion.

Inventories of manufactured nondurable goods, up four consecutive months, increased \$3.6 billion or 1.6 percent to \$228.2 billion. This followed a 1.0 percent November increase. Petroleum and coal products, also up four consecutive months, led the increase, up \$2.4 billion or 5.0 percent to \$50.4 billion.

By stage of fabrication, December materials and supplies increased 0.8 percent in durable goods and 1.7 percent in nondurable goods. Work in process increased 1.8 percent in durable goods and 3.7 percent in nondurable goods. Finished goods decreased 0.9 percent in durable goods and increased 0.6 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 January is scheduled for release on February 24, 2011, at 8:30 a.m. EST and the full report on March 4, 2011, at 10:00 a.m. EST. See back page for survey description and 2011 release schedule.

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		
	Dec. 2010 ^p	Nov. 2010 ^f	Oct. 2010	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2010 ^p	Nov. 2010 ^f	Oct. 2010	Dec. 2009	2010 ^p	2009	Percent 2010/2009
All manufacturing industries.....	436,031	427,630	421,092	2.0	1.6	0.4	430,636	419,394	431,793	402,278	5,023,659	4,610,017	9.0
Excluding transportation.....	388,042	380,904	373,009	1.9	2.1	0.6	379,660	372,934	381,751	347,260	4,439,632	4,031,005	10.1
Excluding defense.....	424,680	416,265	409,725	2.0	1.6	0.6	418,194	408,023	420,703	387,841	4,874,814	4,449,694	9.6
With unfilled orders.....	147,407	144,541	142,941	2.0	1.1	-0.7	149,603	140,329	145,069	143,275	1,718,012	1,599,234	7.4
Durable goods industries.....	200,839	197,633	196,626	1.6	0.5	-0.9	201,862	192,493	202,802	193,302	2,357,929	2,197,852	7.3
Wood products.....	6,522	6,455	6,397	1.0	0.9	2.8	5,806	6,115	6,705	5,877	79,730	78,504	1.6
Nonmetallic mineral products.....	8,063	8,097	8,151	-0.4	-0.7	0.0	6,975	7,928	8,664	6,829	97,917	95,441	2.6
Primary metals.....	21,542	21,020	20,104	2.5	4.6	0.4	18,554	19,587	20,538	15,689	239,107	181,563	31.7
Iron and steel mills.....	10,171	9,905	9,332	2.7	6.1	-1.2	8,889	9,073	9,460	6,989	113,776	79,761	42.6
Aluminum and nonferrous metals.....	10,051	9,813	9,504	2.4	3.3	1.9	8,497	9,298	9,797	7,703	110,683	89,121	24.2
Ferrous metal foundries.....	1,320	1,302	1,268	1.4	2.7	1.5	1,168	1,216	1,281	997	14,648	12,681	15.5
Fabricated metal products.....	27,802	27,577	27,275	0.8	1.1	-0.1	25,655	26,495	28,281	24,186	327,025	311,454	5.0
Machinery.....	27,102	25,418	24,767	6.6	2.6	-2.9	28,181	23,638	24,667	24,072	297,736	275,300	8.1
Farm machinery.....	2,213	2,152	2,171	2.8	-0.9	-1.0	1,818	1,649	1,980	1,415	24,882	22,537	10.4
Construction machinery.....	2,778	2,795	2,781	-0.6	0.5	9.1	2,937	2,794	3,026	1,876	29,309	21,740	34.8
Mining, oil field, and gas field machinery.....	1,386	1,354	1,309	2.4	3.4	0.8	1,618	1,343	1,361	1,694	16,900	19,365	-12.7
Industrial machinery.....	3,215	3,098	2,687	3.8	15.3	-2.2	3,956	2,581	2,618	2,776	33,579	27,140	23.7
Photographic equipment.....	687	703	720	-2.3	-2.4	-1.9	811	756	739	916	8,893	9,034	-1.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,353	2,361	2,348	-0.3	0.6	-2.3	2,402	2,185	2,185	2,689	29,570	32,497	-8.5
Metalworking machinery.....	1,875	1,775	1,680	5.6	5.7	-10.8	1,996	1,706	1,677	1,694	21,663	19,700	10.0
Turbines, generators, and other power transmission equipment.....	4,332	3,128	3,111	38.5	0.5	-19.2	4,437	3,134	3,273	3,489	38,443	34,537	11.3
Material handling equipment.....	1,766	1,710	1,670	3.3	2.4	0.1	1,843	1,640	1,656	1,587	19,604	18,424	6.4
Computers and electronic products ²	33,194	33,817	33,743	-1.8	0.2	-1.9	36,466	33,820	35,635	34,126	397,147	356,842	11.3
Computers.....	4,262	4,645	4,638	-8.2	0.2	-4.5	4,704	4,522	5,354	4,384	52,455	44,265	18.5
Computer storage devices.....	635	684	682	-7.2	0.3	2.1	976	589	519	988	8,010	6,808	17.7
Other peripheral equipment.....	1,193	1,132	1,150	5.4	-1.6	0.2	2,002	1,081	969	1,670	13,415	12,500	7.3
Nondefense communications equipment.....	2,903	2,976	2,826	-2.5	5.3	-0.2	3,591	3,242	2,459	3,965	36,074	37,781	-4.5
Defense communications equipment.....	550	516	509	6.6	1.4	-10.7	514	540	516	461	6,462	6,653	-2.9
Audio and video equipment.....	497	470	412	5.7	14.1	-0.7	738	675	537	576	5,237	4,946	5.9
Electronic components.....	3,985	4,022	4,009	-0.9	0.3	2.0	4,363	3,890	3,925	4,059	47,142	41,126	14.6
Nondefense search and navigation equipment.....	1,098	1,079	1,124	1.8	-4.0	-3.7	1,159	1,086	1,050	1,065	12,790	12,438	2.8
Defense search and navigation equipment.....	2,830	2,797	2,822	1.2	-0.9	-3.3	3,040	2,886	2,786	3,312	35,385	37,274	-5.1
Electromedical, measuring, and control instruments.....	9,035	9,164	9,018	-1.4	1.6	3.5	10,427	9,023	8,779	9,272	104,959	89,662	17.1
Electrical equipment, appliances, and components.....	10,025	9,857	9,690	1.7	1.7	1.4	9,888	9,668	9,770	8,941	114,818	107,688	6.6
Electric lighting equipment.....	1,185	1,181	1,183	0.3	-0.2	1.4	1,255	1,194	1,225	1,256	14,105	13,601	3.7
Household appliances.....	1,606	1,644	1,633	-2.3	0.7	4.2	1,556	1,690	1,609	1,599	19,777	19,381	2.0
Electrical equipment.....	3,314	3,264	3,242	1.5	0.7	0.1	3,273	3,037	3,042	2,847	37,398	33,621	11.2
Batteries.....	756	752	742	0.5	1.3	-0.8	776	875	873	677	9,011	8,567	5.2
Transportation equipment.....	47,989	46,726	48,083	2.7	-2.8	-1.7	50,976	46,460	50,042	55,018	584,027	579,012	0.9
Automobiles.....	5,671	5,669	5,705	0.0	-0.6	-4.9	5,433	5,687	6,264	5,902	70,344	61,943	13.6
Light trucks and utility vehicles.....	5,914	5,622	5,961	5.2	-5.7	-0.1	6,489	5,641	6,834	6,081	68,508	69,596	-1.6
Heavy duty trucks.....	1,436	1,461	1,596	-1.7	-8.5	-3.3	1,506	1,473	1,667	1,643	19,018	16,221	17.2
Motor vehicle bodies, parts, and trailers.....	16,967	16,695	16,805	1.6	-0.7	0.0	15,598	16,570	18,252	15,321	203,017	183,512	10.6
Nondefense aircraft and parts.....	7,483	6,659	7,182	12.4	-7.3	2.6	9,941	6,641	6,367	12,026	84,607	97,024	-12.8
Defense aircraft and parts.....	4,756	4,870	4,798	-2.3	1.5	-5.4	5,637	4,724	4,662	6,699	62,282	65,603	-5.1
Ships and boats.....	2,156	2,083	2,098	3.5	-0.7	-12.8	2,104	2,059	2,097	2,055	26,717	25,893	3.2
Furniture and related products.....	5,702	5,679	5,450	0.4	4.2	-1.6	5,641	5,506	5,505	5,290	66,741	65,357	2.1
Miscellaneous durable goods.....	12,898	12,987	12,966	-0.7	0.2	1.0	13,720	13,276	12,995	13,274	153,681	146,691	4.8
Nondurable goods industries.....	235,192	229,997	224,466	2.3	2.5	1.5	228,774	226,901	228,991	208,976	2,665,730	2,412,165	10.5
Food products.....	56,899	57,002	56,367	-0.2	1.1	1.2	57,035	59,095	59,188	53,989	666,557	635,724	4.9
Grain and oilseed milling.....	7,940	8,019	7,941	-1.0	1.0	3.1	7,836	8,634	8,438	7,954	94,336	93,472	0.9
Dairy products.....	7,562	7,771	7,853	-2.7	-1.0	-0.5	7,761	8,172	8,059	7,562	91,069	83,937	8.5
Meat, poultry, and seafood products.....	16,470	16,394	15,984	0.5	2.6	0.1	16,138	16,504	16,295	14,525	189,401	171,787	10.3
Beverage and tobacco products.....	10,326	10,724	10,681	-3.7	0.4	-1.2	9,984	10,972	10,712	9,850	126,020	120,161	4.9
Beverages.....	7,618	7,688	7,685	-0.9	0.0	0.3	7,276	7,936	7,716	6,901	90,354	84,760	6.6
Tobacco.....	2,708	3,036	2,996	-10.8	1.3	-4.7	2,708	3,036	2,996	2,949	35,666	35,401	0.7
Textile mills.....	2,341	2,352	2,346	-0.5	0.3	-0.8	2,112	2,276	2,454	1,995	28,269	25,380	11.4
Textile products.....	1,858	1,860	1,832	-0.1	1.5	0.2	1,629	1,796	1,887	1,632	22,382	21,774	2.8
Apparel.....	1,329	1,326	1,312	0.2	1.1	2.6	1,246	1,463	1,478	1,206	15,730	15,521	1.3
Leather and allied products.....	408	407	399	0.2	2.0	2.0	391	385	419	374	4,839	4,953	-2.3
Paper products.....	14,407	14,327	14,384	0.6	-0.4	-0.4	14,152	14,140	14,580	13,349	170,221	160,689	5.9
Pulp, paper, and paperboard mills.....	6,798	6,709	6,697	1.3	0.2	-1.3	6,693	6,497	6,825	6,233	79,674	74,256	7.3
Paperboard containers.....	4,127	4,124	4,137	0.1	-0.3	0.4	3,967	4,073	4,211	3,593	48,059	44,790	7.3
Printing.....	7,337	7,301	7,127	0.5	2.4	-1.9	7,480	7,538	7,584	7,133	86,749	85,940	0.9
Petroleum and coal products.....	63,616	58,488	55,198	8.8	6.0	8.5	61,246	55,629	56,085	49,835	646,536	507,229	27.5
Petroleum refineries.....	60,609	55,272	52,083	9.7	6.1	8.9	58,908	52,696	52,562	47,910	608,977	473,579	28.6
Chemical products.....	60,827	60,525	59,436	0.5	1.8	-2.3	58,990	58,501	58,772	55,879	712,775	659,647	8.1
Pesticides, fertilizers, and other agricultural chemicals.....	4,545	4,451	4,414	2.1	0.8	1.3	3,588	3,285	3,142	2,683	46,568	32,296	44.2
Pharmaceuticals and medicines.....	15,481	15,862	15,018	-2.4	5.6	-6.5	15,906	16,134	15,650	16,141	186,352	189,099	-1.5
Paints, coatings, and adhesives.....	2,475	2,548	2,569	-2.9	-0.8	-0.4	2,027	2,237	2,549	2,027	31,026	30,270	2.5
Plastics and rubber products.....	15,844	15,685	15,384	1.0	2.0	0.5	14,509	15,106	15,832	13,734	185,652	175,147	6.0

^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 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		
	Dec. 2010 ^P	Nov. 2010 ^F	Oct. 2010	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2010 ^P	Nov. 2010 ^F	Oct. 2010	Dec. 2009	2010 ^P	2009	Percent 2010/2009
All manufacturing industries ²	426,780	426,050	420,691	0.2	1.3	-0.7	434,404	414,440	426,479	401,916	4,984,378	4,452,450	11.9
Excluding transportation ²	387,624	381,193	368,976	1.7	3.3	0.1	380,739	369,809	374,237	343,723	4,405,012	3,940,440	11.8
Excluding defense ²	415,355	414,344	410,643	0.2	0.9	0.1	417,609	404,060	417,474	384,889	4,835,426	4,306,889	12.3
With unfilled orders ²	143,868	148,860	148,634	-3.4	0.2	-4.0	157,756	141,152	147,952	146,815	1,748,303	1,499,270	16.6
Durable goods industries ²	191,588	196,053	196,225	-2.3	-0.1	-3.1	205,630	187,539	197,488	192,940	2,318,648	2,040,285	13.6
Primary metals.....	22,060	23,162	20,342	-4.8	13.9	0.1	19,669	20,817	20,145	15,968	243,736	177,998	36.9
Iron and steel mills.....	10,601	12,057	9,393	-12.1	28.4	-2.4	9,697	10,290	8,885	7,009	117,443	77,741	51.1
Aluminum and nonferrous metals.....	10,134	9,809	9,612	3.3	2.0	1.6	8,794	9,285	9,920	7,878	111,385	88,156	26.3
Ferrous metal foundries.....	1,325	1,296	1,337	2.2	-3.1	7.0	1,178	1,242	1,340	1,081	14,908	12,101	23.2
Fabricated metal products.....	27,533	27,770	26,957	-0.9	3.0	-1.3	25,561	26,265	27,349	24,326	327,502	301,415	8.7
Machinery.....	30,269	27,362	27,253	10.6	0.4	-1.8	30,137	24,793	27,556	23,657	318,521	262,008	21.6
Construction machinery.....	2,531	2,825	2,993	-10.4	-5.6	14.1	2,572	2,870	3,193	1,754	30,397	15,937	90.7
Mining, oil field, and gas field machinery.....	1,458	1,520	1,079	-4.1	40.9	-34.4	1,576	1,569	1,194	1,651	18,791	16,585	13.3
Industrial machinery.....	3,867	3,023	3,714	27.9	-18.6	15.6	4,276	2,435	4,072	2,654	36,619	23,517	55.7
Photographic equipment.....	533	690	733	-22.8	-5.9	26.4	503	744	735	961	8,528	9,009	-5.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,209	2,770	2,932	15.8	-5.5	9.6	2,857	1,925	2,688	2,734	34,243	36,364	-5.8
Metalworking machinery.....	2,103	2,031	1,689	3.5	20.2	-9.9	2,161	1,956	1,691	1,720	21,875	18,330	19.3
Turbines, generators, and other power transmission equipment.....	5,441	4,052	3,999	34.3	1.3	-18.4	5,822	4,047	4,089	3,426	44,986	33,892	32.7
Material handling equipment.....	2,189	1,751	1,667	25.0	5.0	-6.6	2,344	1,649	1,549	1,476	21,046	17,017	23.7
Computers and electronic products ²	28,554	28,616	26,815	-0.2	6.7	-7.7	34,960	27,532	26,167	31,532	330,633	295,903	11.7
Computers.....	4,196	4,967	4,489	-15.5	10.6	-10.2	4,638	4,844	5,205	4,611	52,663	44,118	19.4
Nondefense communications equipment.....	3,357	3,056	2,664	9.8	14.7	-10.1	4,404	2,607	2,410	4,144	35,899	38,313	-6.3
Defense communications equipment.....	593	499	475	18.8	5.1	-27.9	803	338	409	478	6,643	6,383	4.1
Electronic components.....	4,066	4,123	4,043	-1.4	2.0	4.2	4,357	3,854	3,890	4,138	47,970	41,973	14.3
Nondefense search and navigation equipment.....	960	1,095	1,084	-12.3	1.0	13.9	964	1,148	984	960	12,344	10,956	12.7
Defense search and navigation equipment.....	3,723	2,960	2,392	25.8	23.7	-30.1	4,866	2,739	2,186	3,522	36,818	35,686	3.2
Electromedical, measuring, and control instruments.....	8,840	9,197	8,965	-3.9	2.6	-5.3	10,645	9,148	8,514	9,973	105,988	88,434	19.8
Electrical equipment, appliances, and components.....	10,817	10,760	9,902	0.5	8.7	-2.0	10,072	10,407	9,833	8,165	119,933	105,500	13.7
Electric lighting equipment.....	1,150	1,229	1,120	-6.4	9.7	-12.4	1,090	1,182	1,074	1,088	14,207	13,418	5.9
Household appliances.....	1,752	1,700	1,631	3.1	4.2	2.8	1,571	1,752	1,605	1,500	19,930	19,445	2.5
Electrical equipment.....	3,978	3,857	3,420	3.1	12.8	2.7	3,498	3,616	3,259	2,354	40,591	31,875	27.3
Transportation equipment.....	39,156	44,857	51,715	-12.7	-13.3	-6.2	53,665	44,631	52,242	58,193	579,366	512,010	13.2
Motor vehicle bodies, parts, and trailers.....	17,153	16,859	17,083	1.7	-1.3	0.5	16,225	16,783	18,548	15,664	202,855	181,932	11.5
Nondefense aircraft and parts.....	27	5,019	12,427	-99.5	-59.6	-6.8	10,578	5,744	10,548	14,076	90,525	54,571	65.9
Defense aircraft and parts.....	4,533	5,043	4,738	-10.1	6.4	-24.4	6,565	4,639	4,366	7,996	62,851	62,318	0.9
Ships and boats.....	1,593	2,156	1,663	-26.1	29.6	-3.0	1,961	2,086	1,517	1,859	21,922	18,912	15.9
Furniture and related products.....	5,683	5,852	5,566	-2.9	5.1	-1.7	5,032	5,640	5,671	4,919	66,997	65,125	2.9
Nonurable goods industries.....	235,192	229,997	224,466	2.3	2.5	1.5	228,774	226,901	228,991	208,976	2,665,730	2,412,165	10.5

^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				Percent Change Dec. 10/09
	Monthly			Percent Change			Monthly				
	Dec. 2010 ^P	Nov. 2010 ^F	Oct. 2010	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2010 ^P	Nov. 2010 ^F	Oct. 2010	Dec. 2009	
All manufacturing industries ²	822,844	826,383	822,064	-0.4	0.5	0.7	822,977	814,824	814,001	792,686	3.8
Excluding transportation ²	349,473	344,179	337,991	1.5	1.8	0.6	344,681	339,217	336,565	309,729	11.3
Excluding defense ²	668,939	672,552	668,574	-0.5	0.6	1.1	669,318	665,518	663,704	639,134	4.7
Durable goods industries ²	822,844	826,383	822,064	-0.4	0.5	0.7	822,977	814,824	814,001	792,686	3.8
Primary metals.....	21,720	21,202	19,060	2.4	11.2	1.3	21,000	19,885	18,655	16,371	28.3
Iron and steel mills.....	13,212	12,782	10,630	3.4	20.2	0.6	12,436	11,628	10,411	8,769	41.8
Aluminum and nonferrous metals.....	6,384	6,301	6,305	1.3	-0.1	1.7	6,461	6,164	6,177	5,759	12.2
Ferrous metal foundries.....	2,124	2,119	2,125	0.2	-0.3	3.4	2,103	2,093	2,067	1,843	14.1
Fabricated metal products.....	53,718	53,987	53,794	-0.5	0.4	-0.6	52,551	52,645	52,875	52,074	0.9
Machinery.....	109,487	106,320	104,376	3.0	1.9	2.4	107,951	105,995	104,840	87,166	23.8
Construction machinery.....	10,676	10,923	10,893	-2.3	0.3	2.0	10,504	10,869	10,793	9,416	11.6
Mining, oil field, and gas field machinery.....	7,873	7,801	7,635	0.9	2.2	-2.9	7,955	7,997	7,771	6,064	31.2
Industrial machinery.....	14,455	13,803	13,878	4.7	-0.5	8.0	14,031	13,711	13,857	10,991	27.7
Photographic equipment.....	2,229	2,383	2,396	-6.5	-0.5	0.5	2,070	2,378	2,390	2,435	-15.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	23,335	22,479	22,070	3.8	1.9	2.7	22,801	22,346	22,606	18,308	24.5
Metalworking machinery.....	6,672	6,444	6,188	3.5	4.1	0.1	6,575	6,410	6,160	6,363	3.3
Turbines, generators, and other power transmission equipment.....	19,254	18,145	17,221	6.1	5.4	5.4	19,356	17,971	17,058	12,813	51.1
Material handling equipment.....	8,382	7,959	7,918	5.3	0.5	0.0	8,341	7,840	7,831	6,899	20.9
Computers and electronic products ²	124,367	123,295	122,597	0.9	0.6	-0.7	124,567	121,688	122,199	121,509	2.5
Computers.....	5,579	5,645	5,323	-1.2	6.0	-2.7	5,579	5,645	5,323	5,371	3.9
Nondefense communications equipment.....	22,590	22,136	22,056	2.1	0.4	-0.7	22,604	21,791	22,426	22,779	-0.8
Defense communications equipment.....	6,209	6,166	6,183	0.7	-0.3	-0.5	6,176	5,887	6,089	5,995	3.0
Electronic components.....	11,721	11,640	11,539	0.7	0.9	0.3	11,521	11,527	11,563	10,693	7.7
Nondefense search and navigation equipment.....	7,973	8,111	8,095	-1.7	0.2	-0.5	7,928	8,123	8,061	8,374	-5.3
Defense search and navigation equipment.....	40,848	39,955	39,792	2.2	0.4	-1.1	41,019	39,193	39,340	39,586	3.6
Electromedical, measuring, and control instruments.....	29,447	29,642	29,609	-0.7	0.1	-0.2	29,740	29,522	29,397	28,711	3.6
Electrical equipment, appliances, and components.....	27,232	26,440	25,537	3.0	3.5	0.8	26,216	26,032	25,293	21,101	24.2
Electric lighting equipment.....	2,401	2,436	2,388	-1.4	2.0	-2.6	2,227	2,392	2,404	2,125	4.8
Household appliances.....	678	532	476	27.4	11.8	-0.4	543	528	466	390	39.2
Electrical equipment.....	17,214	16,550	15,957	4.0	3.7	1.1	16,753	16,528	15,949	13,560	23.5
Transportation equipment.....	473,371	482,204	484,073	-1.8	-0.4	0.8	478,296	475,607	477,436	482,957	-1.0
Motor vehicle bodies, parts, and trailers.....	14,340	14,154	13,990	1.3	1.2	2.0	14,486	13,859	13,646	14,648	-1.1
Nondefense aircraft and parts.....	324,470	331,926	333,566	-2.2	-0.5	1.6	329,483	328,846	329,743	323,565	1.8
Defense aircraft and parts.....	48,650	48,873	48,700	-0.5	0.4	-0.1	48,317	47,389	47,474	47,748	1.2
Ships and boats.....	13,836	14,399	14,326	-3.9	0.5	-2.9	13,583	13,726	13,699	18,378	-26.1
Furniture and related products.....	6,699	6,718	6,545	-0.3	2.6	1.8	6,146	6,755	6,621	5,890	4.3

^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 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 Dec. 10/09
	Dec. 2010 ^P	Nov. 2010 ^F	Oct. 2010	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2010 ^P	Nov. 2010 ^F	Oct. 2010	Dec. 2009	
All manufacturing industries.....	550,396	544,583	539,681	1.1	0.9	1.1	537,394	545,772	542,462	496,607	8.2
Excluding transportation.....	464,243	459,897	456,494	0.9	0.7	1.3	454,068	460,425	458,726	423,753	7.2
Excluding defense.....	527,509	521,503	516,990	1.2	0.9	1.2	514,684	522,716	519,677	473,545	8.7
With unfilled orders.....	262,544	260,702	258,311	0.7	0.9	0.7	256,377	262,155	259,453	232,705	10.2
Durable goods industries.....	322,149	319,982	317,215	0.7	0.9	0.6	314,700	321,657	318,303	288,071	9.2
Wood products.....	8,792	8,769	8,795	0.3	-0.3	-0.9	8,717	8,788	8,931	8,465	3.0
Nonmetallic mineral products.....	11,353	11,345	11,337	0.1	0.1	0.2	11,097	11,024	11,018	11,055	0.4
Primary metals.....	31,740	31,511	31,002	0.7	1.6	1.3	31,443	31,498	31,230	27,094	16.1
Iron and steel mills.....	18,790	18,668	18,364	0.7	1.7	1.3	18,605	18,709	18,633	15,389	20.9
Aluminum and nonferrous metals.....	11,121	11,017	10,808	0.9	1.9	1.5	11,013	10,965	10,783	9,993	10.2
Ferrous metal foundries.....	1,829	1,826	1,830	0.2	-0.2	0.5	1,825	1,824	1,814	1,712	6.6
Fabricated metal products.....	42,544	42,383	42,079	0.4	0.7	0.5	41,831	42,065	41,896	38,982	7.3
Machinery.....	52,991	52,966	52,497	0.0	0.9	1.0	51,686	53,654	52,396	48,578	6.4
Farm machinery.....	2,693	2,688	2,654	0.2	1.3	4.6	2,693	2,603	2,414	2,341	15.0
Construction machinery.....	5,709	5,525	5,341	3.3	3.4	1.0	5,565	5,530	5,329	4,607	20.8
Mining, oil field, and gas field machinery.....	5,935	6,047	5,994	-1.9	0.9	1.6	5,693	6,035	5,907	5,478	3.9
Industrial machinery.....	7,016	7,020	7,014	-0.1	0.1	1.5	6,774	7,151	6,937	6,230	8.7
Photographic equipment.....	1,613	1,583	1,557	1.9	1.7	-0.9	1,549	1,635	1,566	1,439	7.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,358	3,409	3,433	-1.5	-0.7	-0.8	3,141	3,439	3,433	3,276	-4.1
Metalworking machinery.....	3,999	4,006	3,986	-0.2	0.5	0.0	3,899	4,041	4,032	3,859	1.0
Turbines, generators, and other power transmission equipment.....	6,483	6,507	6,421	-0.4	1.3	2.9	6,321	6,935	6,683	5,805	8.9
Material handling equipment.....	3,217	3,147	3,075	2.2	2.3	1.4	3,178	3,151	3,069	2,899	9.6
Computers and electronic products ²	46,036	46,006	46,086	0.1	-0.2	0.6	45,089	46,808	46,559	42,765	5.4
Computers.....	1,992	2,093	2,221	-4.8	-5.8	7.7	1,912	2,179	2,224	1,962	-2.5
Computer storage devices.....	1,032	1,056	1,078	-2.3	-2.0	-0.5	989	1,119	1,096	949	4.2
Other peripheral equipment.....	1,397	1,418	1,425	-1.5	-0.5	-1.7	1,298	1,461	1,445	1,339	-3.1
Nondefense communications equipment.....	6,071	6,159	6,202	-1.4	-0.7	1.8	6,043	6,371	6,233	5,761	4.9
Defense communications equipment.....	2,220	2,221	2,139	0.0	3.8	0.1	2,220	2,221	2,139	1,910	16.2
Audio and video equipment.....	366	363	369	0.8	-1.6	-1.6	367	404	425	383	-4.2
Electronic components.....	7,932	7,888	7,879	0.6	0.1	1.9	7,700	8,028	8,023	6,686	15.2
Nondefense search and navigation equipment.....	3,809	3,840	3,875	-0.8	-0.9	0.3	3,745	3,849	3,972	3,594	4.2
Defense search and navigation equipment.....	3,335	3,442	3,514	-3.1	-2.0	-0.2	3,251	3,416	3,532	3,387	-4.0
Electromedical, measuring and control instruments.....	12,197	12,109	12,001	0.7	0.9	-0.1	11,880	12,302	12,054	11,040	7.6
Electrical equipment, appliances, and components.....	14,810	14,885	14,909	-0.5	-0.2	0.5	14,346	14,782	14,908	12,941	10.9
Electric lighting equipment.....	1,630	1,666	1,690	-2.2	-1.4	0.8	1,559	1,659	1,663	1,511	3.2
Household appliances.....	2,741	2,704	2,669	1.4	1.3	2.5	2,439	2,613	2,737	1,896	28.6
Electrical equipment.....	4,691	4,800	4,838	-2.3	-0.8	0.2	4,749	4,861	4,797	4,230	12.3
Batteries.....	1,005	996	980	0.9	1.6	-0.1	934	957	995	866	7.9
Transportation equipment.....	86,153	84,686	83,187	1.7	1.8	0.4	83,326	85,347	83,736	72,854	14.4
Automobiles.....	1,889	1,875	1,834	0.7	2.2	8.2	1,749	1,912	1,765	1,129	54.9
Light trucks and utility vehicles.....	1,899	2,086	1,934	-9.0	7.9	1.4	1,715	2,232	1,948	1,220	40.6
Heavy duty trucks.....	1,297	1,334	1,326	-2.8	0.6	-0.1	1,273	1,384	1,377	1,399	-9.0
Motor vehicle bodies, parts, and trailers.....	16,621	16,455	16,296	1.0	1.0	0.1	16,329	16,418	16,218	13,880	17.6
Nondefense aircraft and parts.....	41,792	40,213	39,500	3.9	1.8	0.7	40,042	40,655	39,969	31,997	25.1
Defense aircraft and parts.....	12,004	12,157	11,865	-1.3	2.5	-0.3	11,854	12,117	11,983	11,766	0.7
Ships and boats.....	3,763	3,708	3,634	1.5	2.0	1.5	3,770	3,723	3,608	3,435	9.8
Furniture and related products.....	6,527	6,501	6,482	0.4	0.3	0.7	6,381	6,556	6,480	5,866	8.8
Miscellaneous durable goods.....	21,203	20,930	20,841	1.3	0.4	0.0	20,784	21,135	21,149	19,471	6.7
Nondurable goods industries.....	228,247	224,601	222,466	1.6	1.0	2.0	222,694	224,115	224,159	208,536	6.8
Food products.....	42,184	42,143	42,239	0.1	-0.2	1.4	42,330	43,984	44,841	40,855	3.6
Grain and oilseed milling.....	5,746	5,599	5,530	2.6	1.2	0.2	5,865	5,766	5,930	5,485	6.9
Dairy products.....	5,357	5,585	5,747	-4.1	-2.8	2.1	4,967	5,382	5,721	4,758	4.4
Meat, poultry, and seafood products.....	8,620	8,554	8,533	0.8	0.2	2.7	8,579	8,913	8,760	7,623	12.5
Beverage and tobacco products.....	15,679	15,624	15,583	0.4	0.3	1.3	15,681	15,955	16,271	15,986	-1.9
Beverages.....	12,099	12,036	11,967	0.5	0.6	1.6	11,992	12,293	12,610	12,081	-0.7
Tobacco.....	3,580	3,588	3,616	-0.2	-0.8	0.2	3,689	3,662	3,661	3,905	-5.5
Textile mills.....	3,268	3,222	3,177	1.4	1.4	0.1	3,288	3,232	3,185	3,002	9.5
Textile products.....	3,059	3,037	3,015	0.7	0.7	0.2	2,983	3,014	3,041	2,722	9.6
Apparel.....	2,800	2,790	2,777	0.4	0.5	2.1	2,665	2,680	2,817	2,220	20.0
Leather and allied products.....	943	938	921	0.5	1.8	3.6	911	937	911	824	10.6
Paper products.....	14,267	14,209	14,235	0.4	-0.2	0.3	14,256	14,259	14,211	13,930	2.3
Pulp, paper, and paperboard mills.....	5,832	5,794	5,795	0.7	0.0	0.7	5,894	5,831	5,756	6,037	-2.4
Paperboard containers.....	4,025	4,040	4,087	-0.4	-1.1	0.0	4,024	3,997	4,038	3,681	9.3
Printing.....	5,535	5,491	5,439	0.8	1.0	0.9	5,275	5,582	5,665	5,144	2.5
Petroleum and coal products.....	50,386	47,968	45,654	5.0	5.1	5.9	47,022	46,045	44,427	39,457	19.2
Petroleum refineries.....	47,583	45,236	42,981	5.2	5.2	6.5	44,324	43,423	41,817	37,022	19.7
Chemical products.....	70,725	69,598	69,867	1.6	-0.4	1.0	69,135	69,035	69,460	66,558	3.9
Pesticides, fertilizers, and other agricultural chemicals.....	3,836	3,837	3,964	0.0	-3.2	-1.7	3,974	3,812	3,700	4,356	-8.8
Pharmaceuticals and medicines.....	24,739	23,790	24,067	4.0	-1.2	2.2	23,740	23,644	24,217	24,068	-1.4
Paints, coatings, and adhesives.....	3,473	3,432	3,361	1.2	2.1	0.4	3,289	3,294	3,240	2,925	12.4
Plastics and rubber products.....	19,401	19,581	19,559	-0.9	0.1	0.6	19,148	19,392	19,330	17,838	7.3

^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 periods. 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 aggregates 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						Percent Change ⁶ 2010/ 2009
	Monthly			Percent Change			Monthly			Year to date			
	Dec. 2010 ^p	Nov. 2010 ^f	Oct. 2010	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2010 ^p	Nov. 2010 ^f	Oct. 2010	Dec. 2009	2010 ^p	2009	
SHIPMENTS													
All manufacturing industries.....	436,031	427,630	421,092	2.0	1.6	0.4	430,636	419,394	431,793	402,278	5,023,659	4,610,017	9.0
Construction materials and supplies.....	39,986	40,209	39,984	-0.6	0.6	1.0	35,729	38,477	41,940	34,967	484,217	471,927	2.6
Information technology.....	27,348	27,615	27,250	-1.0	1.3	-0.3	31,557	27,781	27,273	29,643	323,853	299,665	8.1
Computers and related products.....	6,090	6,461	6,470	-5.7	-0.1	-3.0	7,682	6,192	6,842	7,042	73,880	63,573	16.2
Motor vehicle and parts.....	29,988	29,447	30,667	1.8	-2.1	-1.2	29,026	29,371	33,017	28,947	360,887	331,272	8.9
Capital goods.....	76,333	74,018	73,841	3.1	0.2	-1.3	84,151	72,240	72,924	80,897	885,037	846,897	4.5
Nondefense capital goods ³	67,337	65,280	64,966	3.2	0.5	-0.2	74,674	63,380	64,229	69,600	766,628	717,215	6.9
Excluding aircraft.....	62,810	61,576	60,669	2.0	1.5	-1.0	68,147	59,611	60,567	61,069	716,767	655,050	9.4
Defense capital goods ⁴	8,996	8,738	8,875	3.0	-1.5	-8.9	9,477	8,860	8,695	11,297	118,409	129,682	-8.7
Consumer goods.....	182,830	177,906	173,330	2.8	2.6	2.0	181,447	177,933	179,250	166,347	2,058,691	1,868,884	10.2
Consumer durable goods.....	24,352	23,979	24,154	1.6	-0.7	-1.1	24,958	24,178	25,720	24,466	291,152	279,053	4.3
Consumer nondurable goods.....	158,478	153,927	149,176	3.0	3.2	2.6	156,489	153,755	153,530	141,881	1,767,539	1,589,831	11.2
NEW ORDERS													
All manufacturing industries ⁵	426,780	426,050	420,691	0.2	1.3	-0.7	434,404	414,440	426,479	401,916	4,984,378	4,452,450	11.9
Construction materials and supplies.....	40,753	40,613	40,200	0.3	1.0	0.1	36,167	37,931	41,712	34,946	488,763	468,331	4.4
Information technology.....	28,202	28,405	26,494	-0.7	7.2	-8.4	34,243	27,404	26,034	30,901	327,385	295,134	10.9
Computers and related products.....	6,024	6,783	6,321	-11.2	7.3	-7.2	7,616	6,514	6,693	7,269	74,088	63,426	16.8
Motor vehicle and parts.....	30,174	29,611	30,345	1.9	-2.4	-0.9	29,653	29,584	33,313	29,290	360,725	329,692	9.4
Capital goods.....	70,278	74,365	78,938	-5.5	-5.8	-6.6	88,696	71,612	76,572	84,468	905,360	761,884	18.8
Nondefense capital goods ³	61,851	65,647	71,307	-5.8	-7.9	-3.8	75,840	63,976	69,786	70,806	788,508	645,589	22.1
Excluding aircraft.....	65,441	64,221	62,153	1.9	3.3	-3.2	69,900	61,296	62,238	60,309	734,418	628,046	16.9
Defense capital goods ⁴	8,427	8,718	7,631	-3.3	14.2	-26.8	12,856	7,636	6,786	13,662	116,852	116,295	0.5
Consumer goods.....	183,032	178,167	173,483	2.7	2.7	2.1	181,395	178,240	179,412	166,442	2,059,397	1,868,798	10.2
Consumer durable goods.....	24,554	24,240	24,307	1.3	-0.3	-0.7	24,906	24,485	25,882	24,561	291,858	278,967	4.6
Consumer nondurable goods.....	158,478	153,927	149,176	3.0	3.2	2.6	156,489	153,755	153,530	141,881	1,767,539	1,589,831	11.2
UNFILLED ORDERS													
All manufacturing industries ⁵	822,844	826,383	822,064	-0.4	0.5	0.7	822,977	814,824	814,001	792,686	(X)	(X)	3.8
Construction materials and supplies.....	55,934	55,167	54,763	1.4	0.7	0.4	54,791	54,353	54,899	50,245	(X)	(X)	9.0
Information technology.....	121,814	120,960	120,170	0.7	0.7	-0.6	121,809	119,123	119,500	118,277	(X)	(X)	3.0
Computers and related products.....	5,579	5,645	5,323	-1.2	6.0	-2.7	5,579	5,645	5,323	5,371	(X)	(X)	3.9
Motor vehicle and parts.....	14,340	14,154	13,990	1.3	1.2	2.0	14,486	13,859	13,646	14,648	(X)	(X)	-1.1
Capital goods.....	637,886	643,941	643,594	-0.9	0.1	0.8	640,775	636,230	636,858	620,452	(X)	(X)	3.3
Nondefense capital goods ³	499,107	504,593	504,226	-1.1	0.1	1.3	502,049	500,883	500,287	480,169	(X)	(X)	4.6
Excluding aircraft.....	206,745	204,114	201,469	1.3	0.7	0.7	204,513	202,760	201,075	186,862	(X)	(X)	9.4
Defense capital goods ⁴	138,779	139,348	139,368	-0.4	1.0	-0.9	138,726	135,347	136,571	140,283	(X)	(X)	-1.1
Consumer goods.....	8,999	8,797	8,536	2.3	3.1	1.8	8,723	8,775	8,468	8,017	(X)	(X)	8.8
Consumer durable goods.....	8,999	8,797	8,536	2.3	3.1	1.8	8,723	8,775	8,468	8,017	(X)	(X)	8.8
TOTAL INVENTORIES													
All manufacturing industries.....	550,396	544,583	539,681	1.1	0.9	1.1	537,394	545,772	542,462	496,607	(X)	(X)	8.2
Construction materials and supplies.....	55,182	55,141	55,051	0.1	0.2	-0.2	53,872	54,616	54,777	51,920	(X)	(X)	3.8
Information technology.....	39,113	39,352	39,425	-0.6	-0.2	0.6	38,250	40,012	39,723	36,523	(X)	(X)	4.7
Computers and related products.....	4,421	4,567	4,724	-3.2	-3.3	2.8	4,199	4,759	4,765	4,250	(X)	(X)	-1.2
Motor vehicle and parts.....	21,706	21,750	21,390	-0.2	1.7	0.9	21,066	21,946	21,308	17,628	(X)	(X)	19.5
Capital goods.....	154,316	153,376	151,995	0.6	0.9	0.7	150,328	155,217	152,643	137,099	(X)	(X)	9.6
Nondefense capital goods ³	136,854	135,683	134,651	0.9	0.8	0.8	132,893	137,508	135,323	119,417	(X)	(X)	11.3
Excluding aircraft.....	103,668	103,770	103,373	-0.1	0.4	0.7	101,207	105,230	103,709	95,348	(X)	(X)	6.1
Defense capital goods ⁴	17,462	17,693	17,344	-1.3	2.0	0.0	17,435	17,709	17,320	17,682	(X)	(X)	-1.4
Consumer goods.....	172,356	168,703	166,311	2.2	1.4	2.6	167,225	169,225	168,932	155,254	(X)	(X)	7.7
Consumer durable goods.....	23,884	23,766	23,406	0.5	1.5	0.9	23,072	24,090	23,680	20,065	(X)	(X)	15.0
Consumer nondurable goods.....	148,472	144,937	142,905	2.4	1.4	2.9	144,153	145,135	145,252	135,189	(X)	(X)	6.6

X Not Applicable ^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 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 Dec. 10/09
	Dec. 2010 ^P	Nov. 2010 ^r	Oct. 2010	Nov. - Dec.	Oct. - Nov.	Sept. - Oct.	Dec. 2010 ^P	Nov. 2010 ^r	Oct. 2010	Dec. 2009	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	184,233	182,036	179,817	1.2	1.2	0.8	183,158	181,384	180,264	172,031	6.5
Durable goods industries.....	108,578	107,669	106,634	0.8	1.0	0.4	108,386	108,127	107,293	101,470	6.8
Wood products.....	3,244	3,203	3,179	1.3	0.8	-2.4	3,379	3,340	3,368	3,196	5.7
Nonmetallic mineral products.....	4,472	4,469	4,499	0.1	-0.7	-0.3	4,452	4,438	4,472	4,510	-1.3
Primary metals.....	12,454	12,288	12,095	1.4	1.6	0.8	12,632	12,435	12,385	10,998	14.9
Fabricated metal products.....	15,875	15,591	15,362	1.8	1.5	0.4	16,099	15,420	15,423	14,859	8.3
Machinery.....	20,818	20,539	20,219	1.4	1.6	1.0	20,413	20,724	20,356	18,997	7.5
Computers and electronic products.....	15,615	15,650	15,414	-0.2	1.5	2.6	15,534	15,985	15,628	14,694	5.7
Electrical equipment, appliances, and components.....	5,712	5,762	5,776	-0.9	-0.2	-0.3	5,612	5,687	5,688	5,092	10.2
Transportation equipment.....	20,190	20,127	20,182	0.3	-0.3	-0.7	20,159	20,043	20,068	19,554	3.1
Furniture and related products.....	3,177	3,166	3,177	0.3	-0.3	1.1	3,157	3,170	3,154	2,896	9.0
Miscellaneous products.....	7,021	6,874	6,731	2.1	2.1	-1.2	6,949	6,885	6,751	6,674	4.1
Nondurable goods industries.....	75,655	74,367	73,183	1.7	1.6	1.5	74,772	73,257	72,971	70,561	6.0
Food products.....	14,605	14,438	14,496	1.2	-0.4	0.3	14,828	14,637	15,012	14,739	0.6
Beverage and tobacco products.....	4,131	4,152	4,181	-0.5	-0.7	0.4	4,236	4,193	4,231	4,469	-5.2
Textiles.....	1,201	1,176	1,162	2.1	1.2	-0.2	1,206	1,166	1,157	1,061	13.7
Textile products.....	1,237	1,238	1,226	-0.1	1.0	0.5	1,221	1,235	1,244	1,114	9.6
Apparel.....	780	761	737	2.5	3.3	1.9	785	733	737	577	36.0
Leather and allied products.....	353	355	351	-0.6	1.1	1.2	348	350	351	313	11.2
Paper products.....	6,920	6,935	6,955	-0.2	-0.3	0.3	6,977	6,984	6,983	6,898	1.1
Printing.....	2,440	2,420	2,419	0.8	0.0	2.5	2,386	2,439	2,475	2,234	6.8
Petroleum and coal products.....	13,330	12,573	11,868	6.0	5.9	8.9	12,487	11,608	11,344	10,650	17.2
Chemical products.....	22,466	22,138	21,673	1.5	2.1	-0.4	22,091	21,830	21,422	21,135	4.5
Plastics and rubber products.....	8,192	8,181	8,115	0.1	0.8	0.3	8,207	8,082	8,015	7,371	11.3
WORK IN PROCESS											
All manufacturing industries.....	169,105	165,278	163,539	2.3	1.1	1.3	164,433	167,200	165,795	147,815	11.2
Durable goods industries.....	120,546	118,439	117,102	1.8	1.1	0.6	116,792	119,552	118,097	103,299	13.1
Wood products.....	1,690	1,687	1,681	0.2	0.4	0.7	1,654	1,688	1,697	1,554	6.4
Nonmetallic mineral products.....	1,359	1,376	1,355	-1.2	1.5	1.6	1,271	1,296	1,294	1,228	3.5
Primary metals.....	9,247	9,088	8,932	1.7	1.7	2.7	8,769	9,029	9,003	7,490	17.1
Fabricated metal products.....	11,674	11,791	11,645	-1.0	1.3	0.4	11,323	11,897	11,684	10,583	7.0
Machinery.....	14,402	14,460	14,504	-0.4	-0.3	0.4	13,833	14,897	14,693	13,281	4.2
Computers and electronic products.....	20,289	20,267	20,387	0.1	-0.6	-0.5	19,780	20,514	20,475	18,884	4.7
Electrical equipment, appliances, and components.....	3,288	3,297	3,283	-0.3	0.4	0.5	3,192	3,282	3,274	2,788	14.5
Transportation equipment.....	54,163	52,124	50,893	3.9	2.4	0.8	52,696	52,577	51,501	43,668	20.7
Furniture and related products.....	1,012	1,018	1,013	-0.6	0.5	-1.5	1,006	1,019	1,006	981	2.5
Miscellaneous products.....	3,422	3,331	3,409	2.7	-2.3	0.7	3,268	3,353	3,470	2,842	15.0
Nondurable goods industries.....	48,559	46,839	46,437	3.7	0.9	3.3	47,641	47,648	47,698	44,516	7.0
Food products.....	3,783	3,803	3,733	-0.5	1.9	5.6	4,363	4,767	4,796	4,316	1.1
Beverage and tobacco products.....	5,752	5,707	5,669	0.8	0.7	2.9	6,093	6,087	6,099	6,189	-1.6
Textiles.....	703	703	695	0.0	1.2	-1.0	687	709	698	644	6.7
Textile products.....	516	500	496	3.2	0.8	0.2	491	500	501	463	6.0
Apparel.....	343	349	355	-1.7	-1.7	-4.1	319	344	357	306	4.2
Leather and allied products.....	81	81	81	0.0	0.0	2.5	80	80	79	72	11.1
Paper products.....	1,360	1,364	1,388	-0.3	-1.7	-0.9	1,368	1,354	1,364	1,348	1.5
Printing.....	1,299	1,296	1,276	0.2	1.6	0.5	1,187	1,355	1,380	1,256	-5.5
Petroleum and coal products.....	16,509	15,386	14,490	7.3	6.2	5.4	15,399	14,759	14,159	11,537	33.5
Chemical products.....	15,946	15,348	15,920	3.9	-3.6	2.7	15,419	15,399	15,954	16,335	-5.6
Plastics and rubber products.....	2,267	2,302	2,334	-1.5	-1.4	0.2	2,235	2,294	2,311	2,050	9.0
FINISHED GOODS											
All manufacturing industries.....	197,058	197,269	196,325	-0.1	0.5	1.3	189,803	197,188	196,403	176,761	7.4
Durable goods industries.....	93,025	93,874	93,479	-0.9	0.4	0.7	89,522	93,978	92,913	83,302	7.5
Wood products.....	3,858	3,879	3,935	-0.5	-1.4	-0.3	3,684	3,760	3,866	3,715	-0.8
Nonmetallic mineral products.....	5,522	5,500	5,483	0.4	0.3	0.4	5,374	5,290	5,252	5,317	1.1
Primary metals.....	10,039	10,135	9,975	-0.9	1.6	0.8	10,042	10,034	9,842	8,606	16.7
Fabricated metal products.....	14,995	15,001	15,072	0.0	-0.5	0.8	14,409	14,748	14,789	13,540	6.4
Machinery.....	17,771	17,967	17,774	-1.1	1.1	1.5	17,440	18,033	17,347	16,300	7.0
Computers and electronic products.....	10,132	10,089	10,285	0.4	-1.9	-0.2	9,775	10,309	10,456	9,187	6.4
Electrical equipment, appliances, and components.....	5,810	5,826	5,850	-0.3	-0.4	1.3	5,542	5,813	5,946	5,061	9.5
Transportation equipment.....	11,800	12,435	12,112	-5.1	2.7	0.8	10,471	12,727	12,167	9,632	8.7
Furniture and related products.....	2,338	2,317	2,292	0.9	1.1	1.0	2,218	2,367	2,320	1,989	11.5
Miscellaneous products.....	10,760	10,725	10,701	0.3	0.2	0.4	10,567	10,897	10,928	9,955	6.1
Nondurable goods industries.....	104,033	103,395	102,846	0.6	0.5	1.7	100,281	103,210	103,490	93,459	7.3
Food products.....	23,796	23,902	24,010	-0.4	-0.4	1.4	23,139	24,580	25,033	21,800	6.1
Beverage and tobacco products.....	5,796	5,765	5,733	0.5	0.6	0.4	5,352	5,675	5,941	5,328	0.5
Textiles.....	1,364	1,343	1,320	1.6	1.7	0.9	1,395	1,357	1,330	1,297	7.6
Textile products.....	1,306	1,299	1,293	0.5	0.5	0.0	1,271	1,279	1,296	1,145	11.0
Apparel.....	1,677	1,680	1,685	-0.2	-0.3	3.6	1,561	1,603	1,723	1,337	16.8
Leather and allied products.....	509	502	489	1.4	2.7	5.6	483	507	481	439	10.0
Paper products.....	5,987	5,910	5,892	1.3	0.3	0.6	5,911	5,921	5,864	5,684	4.0
Printing.....	1,796	1,775	1,744	1.2	1.8	-1.1	1,702	1,788	1,810	1,654	2.9
Petroleum and coal products.....	20,547	20,009	19,296	2.7	3.7	4.5	19,136	19,678	18,924	17,270	10.8
Chemical products.....	32,313	32,112	32,274	0.6	-0.5	1.2	31,625	31,806	32,084	29,088	8.7
Plastics and rubber products.....	8,942	9,098	9,110	-1.7	-0.1	0.9	8,706	9,016	9,004	8,417	3.4

^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 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			
	Dec 2010 ^P	Nov 2010 ^F	Oct 2010	Sep 2010	Dec 2010 ^P	Nov 2010 ^F	Oct 2010	Sep 2010
All manufacturing industries ²	1.26	1.27	1.28	1.27	(X)	(X)	(X)	(X)
Durable goods industries ²	1.60	1.62	1.61	1.59	5.58	5.72	5.75	5.67
Wood products.....	1.35	1.36	1.37	1.43	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.41	1.40	1.39	1.39	(X)	(X)	(X)	(X)
Primary metals.....	1.47	1.50	1.54	1.53	1.01	1.01	0.95	0.94
Fabricated metal products.....	1.53	1.54	1.54	1.53	1.99	2.02	2.04	2.05
Machinery.....	1.96	2.08	2.12	2.04	4.53	4.70	4.75	4.49
Computers and electronic products ²	1.39	1.36	1.37	1.33	5.04	4.89	4.91	4.94
Electrical equipment, appliances, and components.....	1.48	1.51	1.54	1.55	2.94	2.90	2.85	2.88
Transportation equipment.....	1.80	1.81	1.73	1.69	13.54	14.19	13.90	13.62
Furniture and related products.....	1.14	1.14	1.19	1.16	1.35	1.36	1.38	1.34
Miscellaneous products.....	1.64	1.61	1.61	1.62	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.97	0.98	0.99	0.99	(X)	(X)	(X)	(X)
Food products.....	0.74	0.74	0.75	0.75	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.52	1.46	1.46	1.42	(X)	(X)	(X)	(X)
Textiles.....	1.40	1.37	1.35	1.34	(X)	(X)	(X)	(X)
Textile products.....	1.65	1.63	1.65	1.64	(X)	(X)	(X)	(X)
Apparel.....	2.11	2.10	2.12	2.13	(X)	(X)	(X)	(X)
Leather and allied products.....	2.31	2.30	2.31	2.27	(X)	(X)	(X)	(X)
Paper products.....	0.99	0.99	0.99	0.98	(X)	(X)	(X)	(X)
Printing.....	0.75	0.75	0.76	0.74	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.79	0.82	0.83	0.85	(X)	(X)	(X)	(X)
Chemical products.....	1.16	1.15	1.18	1.14	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.22	1.25	1.27	1.27	(X)	(X)	(X)	(X)

X Not Applicable ^P Preliminary ^F 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	
	Dec ¹ 2010	Dec ² 2009- Nov 2010	Dec ¹ 2010	Dec ² 2009- Nov 2010	Dec ¹ 2010	Dec ² 2009- Nov 2010	Dec ¹ 2010	Dec ² 2009- Nov 2010
	All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.1	(X)
Durable goods industries.....	0.2	0.4	0.2	0.6	0.0	0.1	0.0	0.2
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.0	0.6	-0.1	1.7	-0.1	1.6	0.1	0.3
Fabricated metal products.....	0.1	0.5	0.1	0.8	0.0	0.2	0.1	0.2
Machinery.....	-0.1	0.8	0.0	1.7	0.1	0.4	0.0	0.2
Computers and electronic products.....	0.7	1.2	1.0	1.1	0.1	0.2	-0.2	0.3
Electrical equipment, appliances, and components.....	-0.1	0.5	0.6	1.5	0.3	0.5	0.3	0.3
Transportation equipment.....	0.2	1.1	0.1	1.6	0.0	0.1	-0.2	0.4
Furniture and related products.....	(X)	0.5	(X)	1.4	(X)	0.9	(X)	0.4
Miscellaneous products.....	(X)	0.3	(X)	0.3	(X)	0.3	(X)	0.2
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.6
Paper products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	1.2
Chemical products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4

X Not Applicable

NA Not Available

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

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

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 64 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>.

2011 Release Dates for M3 Survey

Survey Month	Advance Report 8:30 A.M.	Full Report 10:00 A.M.
November 2010	Dec. 23, 2010	Jan. 4, 2011
December 2010	Jan. 27, 2011	Feb. 3, 2011
January 2011	Feb. 24, 2011	Mar. 4, 2011
February 2011	Mar. 24, 2011	Mar. 31, 2011
March 2011	Apr. 27, 2011	May 3, 2011
April 2011	May 25, 2011	Jun. 2, 2011
May 2011	Jun. 24, 2011	Jul. 5, 2011
June 2011	Jul. 27, 2011	Aug. 3, 2011
July 2011	Aug. 24, 2011	Aug. 31, 2011
August 2011	Sep. 28, 2011	Oct. 4, 2011
September 2011	Oct. 26, 2011	Nov. 3, 2011
October 2011	Nov. 23, 2011	Dec. 5, 2011
November 2011	Dec. 23, 2011	