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Full Report on Manufacturers' Shipments, Inventories and Orders November 2011

Summary

New orders for manufactured goods in November, up following two consecutive monthly decreases, increased \$8.2 billion or 1.8 percent to \$459.2 billion, the U.S. Census Bureau reported today. This followed a 0.2 percent October decrease. Excluding transportation, new orders increased 0.3 percent.

Shipments, up six consecutive months, increased \$0.1 billion to \$455.0 billion. This followed a 0.5 percent October increase.

Unfilled orders, up nineteen of the last twenty months, increased \$11.1 billion or 1.3 percent to \$898.3 billion. This followed a 0.4 percent October increase. The unfilled orders-to-shipments ratio was 6.16, up from 6.07 in October.

Inventories, up twenty five of the last twenty six months, increased \$2.8 billion or 0.5 percent to \$609.8 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.9 percent October increase. The inventories-to-shipments ratio was 1.34, up from 1.33 in October.

New Orders

New orders for manufactured durable goods in November, up four of the last five months, increased \$7.4 billion or 3.7 percent to \$207.1 billion, revised from the previously published 3.8 percent increase. This followed a 0.1 percent October increase.

Transportation equipment, up following two consecutive monthly decreases, had the largest increase, \$7.0 billion or 14.7 percent to \$54.4 billion.

New orders for manufactured nondurable goods increased \$0.8 billion or 0.3 percent to \$252.1 billion.

Shipments

Shipments of manufactured durable goods in November, down two of the last three months, decreased \$0.7 billion or 0.3 percent to \$202.9 billion, revised from the previously published 0.4 percent decrease. This followed a 1.5 percent October increase.

Transportation equipment, down three of the last four months, had the largest decrease, \$1.2 billion or

2.5 percent to \$47.2 billion.

Shipments of manufactured nondurable goods, up five of the last six months, increased \$0.8 billion or 0.3 percent to \$252.1 billion. This followed a 0.3 percent October decrease. Petroleum and coal products, up two of the last three months, led the increase, up \$0.6 billion or 0.8 percent to \$72.2 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in November, up nineteen of the last twenty months, increased \$11.1 billion or 1.3 percent to \$898.3 billion, unchanged from the previously published increase. This followed a 0.4 percent October increase.

Transportation equipment, up ten of the last eleven months, had the largest increase, \$7.2 billion or 1.4 percent to \$518.2 billion. This followed a 0.2 percent October decrease.

Inventories

Inventories of manufactured durable goods in November, up twenty three consecutive months, increased \$2.1 billion or 0.6 percent to \$369.0 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 0.4 percent October increase.

Transportation equipment, also up twenty three consecutive months, had the largest increase, \$1.0 billion or 0.9 percent to \$114.3 billion.

Inventories of manufactured nondurable goods, up three consecutive months, increased \$0.7 billion or 0.3 percent to \$240.8 billion. This followed a 1.6 percent October increase. Petroleum and coal products, also up three consecutive months, drove the increase, up \$1.6 billion or 2.9 percent to \$55.6 billion.

By stage of fabrication, November materials and supplies increased 0.4 percent in durable goods and decreased 0.1 percent in nondurable goods. Work in process increased 1.0 percent in durable goods and 0.4 percent in nondurable goods. Finished goods increased 0.2 percent in durable goods and 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 December is scheduled for release on January 26, 2012, at 8:30 a.m. EST and the full report on February 3, 2012, at 10:00 a.m. EST. See back page for survey description.

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		
	Nov. 2011 ^P	Oct. 2011 ^F	Sept. 2011	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2011 ^P	Oct. 2011 ^F	Sept. 2011	Nov. 2010	2011 ^P	2010	Percent 2011/2010
All manufacturing industries.....	455,028	454,918	452,874	0.0	0.5	0.3	441,539	460,462	466,684	402,538	4,910,921	4,403,627	11.5
Excluding transportation.....	407,787	406,462	406,818	0.3	-0.1	0.6	394,763	410,912	416,196	359,700	4,398,161	3,913,113	12.4
Excluding defense.....	445,742	445,847	443,135	0.0	0.6	0.4	432,199	451,644	456,005	391,640	4,803,156	4,273,434	12.4
With unfilled orders.....	145,912	146,056	145,446	-0.1	0.4	0.4	140,193	146,428	155,020	129,894	1,564,607	1,448,337	8.0
Durable goods industries.....	202,919	203,613	200,700	-0.3	1.5	-0.4	195,598	208,296	212,699	180,259	2,176,185	2,015,812	8.0
Wood products.....	5,392	5,419	5,314	-0.5	2.0	0.3	5,084	5,671	5,603	5,021	59,034	60,779	-2.9
Nonmetallic mineral products.....	8,139	8,111	7,934	0.3	2.2	0.5	7,896	8,569	8,529	7,443	87,962	85,360	3.0
Primary metals.....	26,567	25,569	24,575	3.9	4.0	1.5	24,365	25,503	25,307	18,664	263,721	203,164	29.8
Iron and steel mills.....	11,719	11,318	10,930	3.5	3.5	0.0	10,350	11,026	11,169	9,038	123,999	104,423	18.7
Aluminum and nonferrous metals.....	13,060	12,507	11,953	4.4	4.6	2.9	12,337	12,753	12,311	7,665	121,363	83,598	45.2
Ferrous metal foundries.....	1,788	1,744	1,692	2.5	3.1	1.1	1,678	1,724	1,827	1,361	18,359	15,143	21.2
Fabricated metal products.....	25,393	25,221	25,310	0.7	-0.4	1.0	24,485	26,066	26,873	22,889	275,882	260,128	6.1
Machinery.....	30,463	30,284	31,140	0.6	-2.7	-1.0	28,212	29,928	32,226	24,973	321,591	285,820	12.5
Farm machinery.....	2,604	2,785	2,719	-6.5	2.4	-26.1	1,932	2,652	2,686	1,739	28,803	24,496	17.6
Construction machinery.....	4,396	4,275	4,269	2.8	0.1	-0.7	4,340	4,523	4,414	3,157	42,823	30,774	39.2
Mining, oil field, and gas field machinery.....	1,586	1,608	1,680	-1.4	-4.3	-7.5	1,536	1,622	1,666	1,495	17,872	16,699	7.0
Industrial machinery.....	3,324	3,588	3,572	-7.4	0.4	5.3	2,726	3,398	3,931	2,511	34,747	29,156	19.2
Photographic equipment.....	634	635	640	-0.2	-0.8	-0.3	678	638	701	698	7,147	7,457	-4.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,378	2,410	2,475	-1.3	-2.6	-4.4	2,186	2,167	2,684	2,503	28,213	30,192	-6.6
Metalworking machinery.....	2,059	2,054	1,916	0.2	7.2	-1.8	2,048	2,142	2,056	1,748	21,060	20,273	3.9
Turbines, generators, and other power transmission equipment.....	4,115	3,621	4,619	13.6	-21.6	18.2	4,074	3,741	4,568	3,203	41,733	35,300	18.2
Material handling equipment.....	2,670	2,710	2,625	-1.5	3.2	-0.2	2,581	2,671	2,690	2,188	27,778	23,663	17.4
Computers and electronic products ²	30,580	31,264	30,921	-2.2	1.1	-0.8	29,797	33,733	32,918	31,062	336,211	331,019	1.6
Computers.....	4,197	4,661	4,248	-10.0	9.7	3.8	3,780	5,598	4,402	4,071	45,673	41,472	10.1
Computer storage devices.....	770	752	793	2.4	-5.2	3.3	628	557	1,140	534	7,356	6,391	15.1
Other peripheral equipment.....	972	1,024	985	-5.1	4.0	5.5	900	906	1,275	840	9,717	8,880	9.4
Nondefense communications equipment.....	2,312	2,442	2,572	-5.3	-5.1	-0.1	2,419	2,151	3,125	3,407	27,939	34,063	-18.0
Defense communications equipment.....	508	467	593	8.8	-21.2	19.8	541	452	672	551	5,533	6,083	-9.0
Audio and video equipment.....	238	231	233	3.0	-0.9	-6.4	364	280	228	415	2,635	2,690	-2.0
Electronic components.....	3,290	3,254	3,231	1.1	0.7	-3.2	3,234	3,180	3,475	3,382	36,238	37,545	-3.5
Nondefense search and navigation equipment.....	1,147	1,147	1,123	0.0	2.1	-5.2	1,132	1,087	1,268	1,097	12,805	11,786	8.6
Defense search and navigation equipment.....	2,598	2,580	2,768	0.7	-6.8	-0.4	2,700	2,540	2,932	2,942	29,625	32,943	-10.1
Electromedical, measuring, and control instruments.....	7,120	7,136	7,259	-0.2	-1.7	-1.4	6,919	6,853	8,371	7,364	79,491	77,158	3.0
Electrical equipment, appliances, and components.....	10,062	10,180	10,275	-1.2	-0.9	-0.3	9,905	10,230	11,089	9,796	111,225	105,123	5.8
Electric lighting equipment.....	982	984	998	-0.2	-1.4	-2.4	977	999	1,053	1,001	10,977	10,740	2.2
Household appliances.....	1,506	1,537	1,520	-2.0	1.1	1.4	1,534	1,517	1,591	1,615	17,042	17,411	-2.1
Electrical equipment.....	3,698	3,772	3,857	-2.0	-2.2	-2.3	3,454	3,594	4,296	3,461	40,885	37,968	7.7
Batteries.....	904	882	883	2.5	-0.1	1.1	1,076	1,053	1,000	992	9,601	9,220	4.1
Transportation equipment.....	47,241	48,456	46,056	-2.5	5.2	-1.9	46,776	49,550	50,488	42,838	512,760	490,514	4.5
Automobiles.....	5,389	5,634	5,102	-4.3	10.4	1.4	5,388	6,184	5,549	4,787	57,753	54,632	5.7
Light trucks and utility vehicles.....	8,017	8,152	7,252	-1.7	12.4	-5.6	8,030	9,089	8,265	6,800	87,341	74,763	16.8
Heavy duty trucks.....	2,204	2,084	2,018	5.8	3.3	0.7	2,125	2,148	2,214	1,418	20,572	16,874	21.9
Motor vehicle bodies, parts, and trailers.....	14,239	14,371	13,990	-0.9	2.7	-1.2	13,909	15,154	14,923	13,140	158,273	148,592	6.5
Nondefense aircraft and parts.....	7,725	8,721	8,049	-11.4	8.3	3.1	7,856	7,655	8,693	6,289	78,840	70,703	11.5
Defense aircraft and parts.....	3,797	3,704	3,792	2.5	-2.3	-6.4	3,728	3,590	4,335	4,456	43,849	53,503	-18.0
Ships and boats.....	2,253	2,229	2,322	1.1	-4.0	-0.5	2,171	2,200	2,382	2,184	25,164	26,206	-4.0
Furniture and related products.....	5,403	5,436	5,499	-0.6	-1.1	-1.4	5,186	5,409	5,649	5,158	60,564	56,796	6.6
Miscellaneous durable goods.....	13,679	13,673	13,676	0.0	0.0	0.8	13,892	13,637	14,017	13,015	147,235	137,109	7.4
Nondurable goods industries.....	252,109	251,305	252,174	0.3	-0.3	0.9	245,941	252,166	253,985	222,279	2,734,736	2,387,815	14.5
Food products.....	62,521	62,655	62,538	-0.2	0.2	0.4	64,292	65,509	64,096	58,711	672,795	606,202	11.0
Grain and oilseed milling.....	8,411	8,559	8,382	-1.7	2.1	-0.6	8,685	9,165	8,465	7,719	91,028	77,697	17.2
Dairy products.....	9,261	9,289	9,436	-0.3	-1.6	-0.7	9,556	9,397	9,651	8,853	101,224	89,912	12.6
Meat, poultry, and seafood products.....	17,510	17,541	17,617	-0.2	-0.4	0.4	17,732	17,950	17,508	16,839	189,601	177,200	7.0
Beverage and tobacco products.....	12,429	12,169	12,390	2.1	-1.8	1.1	12,674	12,159	12,449	11,922	133,097	120,889	10.1
Beverages.....	9,643	9,558	9,689	0.9	-1.4	3.7	9,888	9,548	9,748	9,283	104,208	92,352	12.8
Tobacco.....	2,786	2,611	2,701	6.7	-3.3	-7.3	2,786	2,611	2,701	2,639	28,889	28,537	1.2
Textile mills.....	2,537	2,548	2,596	-0.4	-1.8	0.3	2,403	2,615	2,661	2,374	28,779	27,381	5.1
Textile products.....	1,894	1,866	1,865	1.5	0.1	1.3	1,810	1,893	1,865	1,722	20,517	20,003	2.6
Apparel.....	1,435	1,417	1,402	1.3	1.1	2.0	1,623	1,603	1,500	1,393	14,721	13,593	8.3
Leather and allied products.....	306	306	307	0.0	-0.3	-1.3	290	313	348	295	3,469	3,436	1.0
Paper products.....	14,186	14,278	14,215	-0.6	0.4	-0.7	13,929	14,457	14,523	14,245	158,420	157,535	0.6
Pulp, paper, and paperboard mills.....	6,667	6,717	6,724	-0.7	-0.1	-0.3	6,456	6,816	6,866	6,525	74,125	73,123	1.4
Paperboard containers.....	4,241	4,234	4,212	0.2	0.5	0.1	4,150	4,323	4,284	4,319	47,594	47,282	0.7
Printing.....	6,892	6,869	6,979	0.3	-1.6	-1.3	7,124	7,190	7,381	7,228	76,694	76,875	-0.2
Petroleum and coal products.....	72,185	71,626	71,806	0.8	-0.3	3.3	68,119	70,780	70,924	54,434	773,512	572,853	35.0
Petroleum refineries.....	68,144	67,482	67,694	1.0	-0.3	3.9	64,524	66,220	66,106	51,435	727,949	536,683	35.6
Chemical products.....	61,355	61,197	61,753	0.3	-0.9	-0.5	58,065	59,083	61,491	55,240	674,633	621,046	8.6
Pesticides, fertilizers, and other agricultural chemicals.....	5,863	5,657	5,536	3.6	2.2	1.8	4,302	4,023	4,639	3,393	57,546	45,186	27.4
Pharmaceuticals and medicines.....	15,319	14,925	15,304	2.6	-2.5	-0.4	15,859	15,052	15,425	16,159	169,692	173,362	-2.1
Paints, coatings, and adhesives.....	2,630	2,617	2,576	0.5	1.6	2.3	2,317	2,636	2,712	2,145	28,111	27,812	1.1
Plastics and rubber products.....	16,369	16,374	16,323	0.0	0.3	0.6	15,612	16,564	16,747	14,715	178,099	168,002	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		
	Nov. 2011 ^P	Oct. 2011 ^f	Sept. 2011	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2011 ^P	Oct. 2011 ^f	Sept. 2011	Nov. 2010	2011 ^P	2010	Percent 2011/2010
All manufacturing industries ²	459,177	450,932	451,636	1.8	-0.2	-0.1	443,419	448,923	464,693	398,065	4,891,329	4,356,773	12.3
Excluding transportation ²	404,728	403,478	401,940	0.3	0.4	0.9	389,453	403,733	411,431	356,853	4,357,012	3,874,218	12.5
Excluding defense ²	450,136	442,218	440,931	1.8	0.3	-0.2	435,987	441,954	453,367	388,104	4,781,233	4,231,846	13.0
With unfilled orders ²	157,007	149,157	150,847	5.3	-1.1	-1.1	148,693	144,435	158,522	131,403	1,619,290	1,468,731	10.3
Durable goods industries ²	207,068	199,627	199,462	3.7	0.1	-1.4	197,478	196,757	210,708	175,786	2,156,593	1,968,958	9.5
Primary metals.....	27,567	26,355	24,889	4.6	5.9	1.9	25,220	25,065	25,096	20,161	264,069	209,363	26.1
Iron and steel mills.....	12,504	11,667	11,202	7.2	4.2	2.9	11,016	10,272	11,095	11,023	121,984	109,394	11.5
Aluminum and nonferrous metals.....	13,250	12,820	12,015	3.4	6.7	2.2	12,463	12,961	12,252	7,742	123,050	84,466	45.7
Ferrous metal foundries.....	1,813	1,868	1,672	-2.9	11.7	-6.2	1,741	1,832	1,749	1,396	19,035	15,503	22.8
Fabricated metal products.....	26,004	25,867	25,818	0.5	0.2	1.3	24,523	25,950	27,046	22,653	281,619	260,762	8.0
Machinery.....	31,779	31,638	31,398	0.4	0.8	-1.9	28,876	31,590	31,753	26,165	344,551	301,529	14.3
Construction machinery.....	4,383	4,771	4,621	-8.1	3.2	21.8	4,382	5,039	4,708	3,618	45,241	32,222	40.4
Mining, oil field, and gas field machinery.....	1,131	1,379	1,934	-18.0	-28.7	25.1	1,225	1,551	1,712	1,757	21,866	18,881	15.8
Industrial machinery.....	3,142	2,813	3,214	11.7	-12.5	-7.3	2,495	2,983	3,326	2,294	34,436	31,829	8.2
Photographic equipment.....	680	623	630	9.1	-1.1	-2.2	694	592	751	687	7,290	7,395	-1.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,677	2,604	1,728	2.8	50.7	-19.8	1,935	2,254	1,571	2,348	30,732	33,199	-7.4
Metalworking machinery.....	2,096	2,153	2,015	-2.6	6.8	0.7	2,066	2,255	2,126	1,910	22,424	20,302	10.5
Turbines, generators, and other power transmission equipment.....	5,588	5,271	5,295	6.0	-0.5	11.4	5,592	5,295	5,158	3,725	50,532	37,997	33.0
Material handling equipment.....	2,580	2,663	2,690	-3.1	-1.0	-5.4	2,434	2,474	2,986	2,204	28,525	24,533	16.3
Computers and electronic products ²	23,856	24,921	24,602	-4.3	1.3	2.2	22,300	24,749	28,711	24,416	261,305	263,709	-0.9
Computers.....	4,320	4,632	4,367	-6.7	6.1	7.3	3,903	5,569	4,521	4,282	45,530	41,624	9.4
Nondefense communications equipment.....	2,428	2,774	2,701	-12.5	2.7	11.0	2,110	2,760	3,436	2,759	27,359	33,061	-17.2
Defense communications equipment.....	390	369	400	5.7	-7.8	-19.4	258	305	603	343	4,532	5,972	-24.1
Electronic components.....	3,330	3,413	3,342	-2.4	2.1	1.4	3,177	3,270	3,540	3,346	36,530	38,346	-4.7
Nondefense search and navigation equipment.....	1,391	1,349	1,318	3.1	2.4	7.8	1,472	1,241	1,503	1,163	13,799	11,523	19.8
Defense search and navigation equipment.....	2,330	2,601	2,664	-10.4	-2.4	-3.8	2,146	2,423	2,976	2,784	28,319	32,522	-12.9
Electromedical, measuring, and control instruments.....	7,205	7,293	7,322	-1.2	-0.4	-0.1	6,782	6,855	8,952	7,473	80,604	77,940	3.4
Electrical equipment, appliances, and components.....	10,618	10,663	10,694	-0.4	-0.3	1.4	10,360	10,683	11,152	10,354	115,299	109,511	5.3
Electric lighting equipment.....	947	993	1,009	-4.6	-1.6	1.6	903	994	1,048	995	10,980	10,842	1.3
Household appliances.....	1,549	1,539	1,520	0.6	1.3	0.2	1,613	1,510	1,602	1,683	17,202	17,518	-1.8
Electrical equipment.....	4,118	3,914	3,760	5.2	4.1	-3.5	3,923	3,749	3,921	3,815	42,862	40,107	6.9
Transportation equipment.....	54,449	47,454	49,696	14.7	-4.5	-7.5	53,966	45,190	53,262	41,212	534,317	482,555	10.7
Motor vehicle bodies, parts, and trailers.....	14,324	14,201	14,014	0.9	1.3	-2.1	14,184	15,122	15,003	13,389	158,151	147,912	6.9
Nondefense aircraft and parts.....	15,155	8,717	10,127	73.9	-13.9	-26.7	16,102	5,296	10,456	5,440	101,409	76,096	33.3
Defense aircraft and parts.....	4,223	3,823	3,331	10.5	14.8	-34.5	3,813	3,262	3,535	4,429	45,708	53,317	-14.3
Ships and boats.....	1,637	1,779	3,025	-8.0	-41.2	65.4	1,386	1,393	2,739	2,217	25,188	20,391	23.5
Furniture and related products.....	5,478	5,417	5,446	1.1	-0.5	3.3	5,254	5,544	5,544	5,311	61,133	57,759	5.8
Nondurable goods industries.....	252,109	251,305	252,174	0.3	-0.3	0.9	245,941	252,166	253,985	222,279	2,734,736	2,387,815	14.5

^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 Nov. 11/10
	Monthly			Percent Change			Monthly				
	Nov. 2011 ^P	Oct. 2011 ^r	Sept. 2011	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2011 ^P	Oct. 2011 ^r	Sept. 2011	Nov. 2010	
All manufacturing industries ²	898,328	887,233	884,132	1.3	0.4	0.6	884,141	875,641	877,634	819,067	7.9
Excluding transportation ²	380,175	376,288	372,185	1.0	1.1	0.5	373,324	372,014	369,647	333,112	12.1
Excluding defense ²	727,138	715,798	712,340	1.6	0.5	0.6	718,406	707,998	708,142	660,370	8.8
Durable goods industries ²	898,328	887,233	884,132	1.3	0.4	0.6	884,141	875,641	877,634	819,067	7.9
Primary metals.....	33,915	32,915	32,129	3.0	2.4	1.0	32,009	31,154	31,592	29,900	7.1
Iron and steel mills.....	18,936	18,151	17,802	4.3	2.0	1.6	17,507	16,841	17,595	18,320	-4.4
Aluminum and nonferrous metals.....	11,368	11,178	10,865	1.7	2.9	0.6	10,947	10,821	10,613	8,726	25.5
Ferrous metal foundries.....	3,611	3,586	3,462	0.7	3.6	-0.6	3,555	3,492	3,384	2,854	24.6
Fabricated metal products.....	66,565	65,954	65,308	0.9	1.0	0.8	65,025	64,987	65,103	59,289	9.7
Machinery.....	118,437	117,121	115,767	1.1	1.2	0.2	117,238	116,574	114,912	91,991	27.4
Construction machinery.....	10,607	10,620	10,124	-0.1	4.9	3.6	10,366	10,324	9,808	7,537	37.5
Mining, oil field, and gas field machinery.....	12,445	12,900	13,129	-3.5	-1.7	2.0	12,680	12,991	13,062	8,801	44.1
Industrial machinery.....	13,649	13,831	14,606	-1.3	-5.3	-2.4	13,577	13,808	14,223	13,468	0.8
Photographic equipment.....	2,029	1,983	1,995	2.3	-0.6	-0.5	2,022	2,006	2,052	2,159	-6.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	20,258	19,959	19,765	1.5	1.0	-3.6	19,599	19,850	19,763	16,605	18.0
Metalworking machinery.....	5,702	5,665	5,566	0.7	1.8	1.8	5,632	5,614	5,501	4,144	35.9
Turbines, generators, and other power transmission equipment.....	23,706	22,233	20,583	6.6	8.0	3.4	23,484	21,966	20,412	13,452	74.6
Material handling equipment.....	8,465	8,555	8,602	-1.1	-0.5	0.8	8,310	8,457	8,654	7,251	14.6
Computers and electronic products ²	125,041	124,819	124,075	0.2	0.6	0.3	123,240	124,117	123,555	120,579	2.2
Computers.....	3,511	3,388	3,417	3.6	-0.8	3.6	3,511	3,388	3,417	3,696	-5.0
Nondefense communications equipment.....	22,805	22,689	22,357	0.5	1.5	0.6	22,664	22,973	22,364	22,408	1.1
Defense communications equipment.....	5,592	5,710	5,808	-2.1	-1.7	-3.2	5,346	5,629	5,776	6,050	-11.6
Electronic components.....	11,813	11,773	11,614	0.3	1.4	1.0	11,723	11,780	11,690	11,395	2.9
Nondefense search and navigation equipment.....	9,472	9,228	9,026	2.6	2.2	2.2	9,519	9,179	9,025	8,731	9.0
Defense search and navigation equipment.....	43,665	43,933	43,912	-0.6	0.0	-0.2	42,724	43,278	43,395	42,096	1.5
Electromedical, measuring, and control instruments.....	28,183	28,098	27,941	0.3	0.6	0.2	27,753	27,890	27,888	26,203	5.9
Electrical equipment, appliances, and components.....	27,743	27,187	26,704	2.0	1.8	1.6	27,326	26,871	26,418	23,019	18.7
Electric lighting equipment.....	1,041	1,076	1,067	-3.3	0.8	1.0	1,020	1,094	1,099	1,068	-4.5
Household appliances.....	868	825	823	5.2	0.2	0.0	864	785	792	651	32.7
Electrical equipment.....	15,086	14,666	14,524	2.9	1.0	-0.7	15,014	14,545	14,390	12,853	16.8
Transportation equipment.....	518,153	510,945	511,947	1.4	-0.2	0.7	510,817	503,627	507,987	485,955	5.1
Motor vehicle bodies, parts, and trailers.....	13,825	13,740	13,910	0.6	-1.2	0.2	13,674	13,399	13,431	13,220	3.4
Nondefense aircraft and parts.....	363,164	355,734	355,738	2.1	0.0	0.6	359,985	351,739	354,098	336,472	7.0
Defense aircraft and parts.....	55,744	55,318	55,199	0.8	0.2	-0.8	53,964	53,879	54,207	50,885	6.1
Ships and boats.....	18,138	18,754	19,204	-3.3	-2.3	3.8	16,960	17,745	18,552	17,116	-0.9
Furniture and related products.....	6,787	6,712	6,731	1.1	-0.3	-0.8	6,799	6,731	6,596	6,726	1.1

^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 Nov. 11/10
	Nov. 2011 ^P	Oct. 2011 ^r	Sept. 2011	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2011 ^P	Oct. 2011 ^r	Sept. 2011	Nov. 2010	
All manufacturing industries.....	609,814	607,016	601,587	0.5	0.9	0.1	608,787	609,936	600,538	550,638	10.6
Excluding transportation.....	495,490	493,669	488,857	0.4	1.0	0.1	494,155	496,254	488,246	451,441	9.5
Excluding defense.....	583,744	581,323	575,981	0.4	0.9	0.2	582,798	584,213	575,013	525,565	10.9
With unfilled orders.....	302,397	300,434	299,420	0.7	0.3	-0.2	302,820	300,868	298,563	271,318	11.6
Durable goods industries.....	369,001	366,881	365,314	0.6	0.4	0.0	369,450	367,228	364,040	332,620	11.1
Wood products.....	8,818	8,635	8,499	2.1	1.6	0.0	8,832	8,719	8,568	8,351	5.8
Nonmetallic mineral products.....	11,134	11,102	11,035	0.3	0.6	0.8	10,837	10,843	10,864	10,144	6.8
Primary metals.....	34,540	34,342	34,331	0.6	0.0	-0.5	34,070	34,231	34,560	30,062	13.3
Iron and steel mills.....	21,566	21,403	21,419	0.8	-0.1	-0.5	21,197	21,371	21,691	18,277	16.0
Aluminum and nonferrous metals.....	10,868	10,854	10,865	0.1	-0.1	-0.8	10,766	10,781	10,874	9,957	8.1
Ferrous metal foundries.....	2,106	2,085	2,047	1.0	1.9	1.2	2,107	2,079	1,995	1,828	15.3
Fabricated metal products.....	46,479	46,260	45,941	0.5	0.7	-0.1	45,951	45,943	45,823	41,346	11.1
Machinery.....	60,367	59,813	59,619	0.9	0.3	0.3	60,941	59,695	59,107	53,712	13.5
Farm machinery.....	3,519	3,399	3,393	3.5	0.2	-2.0	3,396	3,071	3,152	2,770	22.6
Construction machinery.....	5,931	5,669	5,697	4.6	-0.5	-1.2	5,960	5,658	5,707	4,743	25.7
Mining, oil field, and gas field machinery.....	7,496	7,358	7,357	1.9	0.0	1.1	7,475	7,270	7,354	6,378	17.2
Industrial machinery.....	6,913	6,901	6,940	0.2	-0.6	2.0	7,057	6,896	7,028	6,488	8.8
Photographic equipment.....	1,697	1,676	1,642	1.3	2.1	2.0	1,766	1,690	1,623	1,529	15.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,974	4,075	4,102	-2.5	-0.7	-2.0	3,919	4,051	3,988	3,966	-1.2
Metalworking machinery.....	5,136	5,077	5,006	1.2	1.4	2.8	5,176	5,167	5,128	4,142	25.0
Turbines, generators, and other power transmission equipment.....	7,467	7,544	7,433	-1.0	1.5	-0.9	7,841	7,831	7,320	6,730	16.5
Material handling equipment.....	3,680	3,672	3,691	0.2	-0.5	0.4	3,722	3,700	3,676	3,377	10.2
Computers and electronic products ²	47,891	48,124	48,128	-0.5	0.0	-0.7	48,627	48,555	47,876	46,709	4.1
Computers.....	3,248	3,258	3,200	-0.3	1.8	2.2	3,390	3,243	3,404	2,953	14.8
Computer storage devices.....	1,351	1,383	1,396	-2.3	-0.9	1.1	1,400	1,443	1,364	1,354	3.4
Other peripheral equipment.....	1,535	1,501	1,487	2.3	0.9	2.0	1,580	1,513	1,450	1,437	10.0
Nondefense communications equipment.....	7,136	7,199	7,263	-0.9	-0.9	-0.4	7,415	7,296	7,086	7,145	3.8
Defense communications equipment.....	2,366	2,499	2,471	-5.3	1.1	-10.0	2,366	2,499	2,471	2,579	-8.3
Audio and video equipment.....	513	512	520	0.2	-1.5	-2.8	564	579	588	561	0.5
Electronic components.....	7,058	7,111	7,178	-0.7	-0.9	0.7	7,194	7,241	7,098	7,223	-0.4
Nondefense search and navigation equipment.....	3,309	3,294	3,235	0.5	1.8	-0.8	3,294	3,383	3,270	3,094	6.5
Defense search and navigation equipment.....	2,839	2,739	2,649	3.7	3.4	-1.7	2,791	2,735	2,604	2,742	1.8
Electromedical, measuring and control instruments.....	12,701	12,727	12,839	-0.2	-0.9	-0.4	12,896	12,730	12,676	12,172	5.9
Electrical equipment, appliances, and components.....	15,604	15,459	15,389	0.9	0.5	-1.2	15,458	15,456	15,246	14,877	3.9
Electric lighting equipment.....	1,794	1,796	1,787	-0.1	0.5	1.2	1,785	1,787	1,767	1,689	5.7
Household appliances.....	2,127	2,123	2,124	0.2	0.0	-4.1	2,066	2,173	2,159	2,180	-5.2
Electrical equipment.....	4,878	4,813	4,757	1.4	1.2	-3.8	4,955	4,856	4,607	5,018	-1.3
Batteries.....	1,053	1,060	1,045	-0.7	1.4	2.6	1,004	1,061	1,056	1,010	-0.6
Transportation equipment.....	114,324	113,347	112,730	0.9	0.5	0.3	114,632	113,682	112,292	99,197	15.6
Automobiles.....	3,301	3,384	3,352	-2.5	1.0	5.3	3,357	3,354	3,257	2,884	16.4
Light trucks and utility vehicles.....	3,236	3,344	3,275	-3.2	2.1	3.8	3,360	3,444	3,391	2,853	17.8
Heavy duty trucks.....	1,437	1,447	1,472	-0.7	-1.7	1.0	1,470	1,497	1,462	1,480	-0.7
Motor vehicle bodies, parts, and trailers.....	18,457	18,330	18,159	0.7	0.9	1.0	18,412	18,237	18,061	16,697	10.3
Nondefense aircraft and parts.....	62,539	61,837	61,199	1.1	1.0	-0.3	62,674	62,016	60,880	50,496	24.1
Defense aircraft and parts.....	14,877	14,302	14,565	4.0	-1.8	1.0	14,808	14,376	14,661	14,023	5.6
Ships and boats.....	3,456	3,575	3,411	-3.3	4.8	-0.7	3,459	3,558	3,329	3,151	9.8
Furniture and related products.....	6,720	6,719	6,785	0.0	-1.0	-0.9	6,757	6,696	6,774	6,688	1.0
Miscellaneous durable goods.....	23,124	23,080	22,857	0.2	1.0	0.9	23,345	23,408	22,930	21,534	8.4
Nondurable goods industries.....	240,813	240,135	236,273	0.3	1.6	0.4	239,337	242,708	236,498	218,018	9.8
Food products.....	44,796	44,819	44,612	-0.1	0.5	-1.0	46,720	47,739	45,320	44,746	4.4
Grain and oilseed milling.....	5,186	5,185	5,083	0.0	2.0	-5.2	5,323	5,520	4,901	5,502	-3.3
Dairy products.....	6,090	6,065	6,073	0.4	-0.1	-0.4	5,839	6,056	6,132	5,324	9.7
Meat, poultry, and seafood products.....	8,416	8,469	8,413	-0.6	0.7	-1.2	8,811	8,780	8,480	8,918	-1.2
Beverage and tobacco products.....	16,729	16,613	16,526	0.7	0.5	0.3	17,033	17,203	16,455	16,393	3.9
Beverages.....	13,288	13,166	13,105	0.9	0.5	0.6	13,513	13,717	13,140	12,767	5.8
Tobacco.....	3,441	3,447	3,421	-0.2	0.8	-0.7	3,520	3,486	3,315	3,626	-2.9
Textile mills.....	3,628	3,639	3,648	-0.3	-0.2	-0.2	3,599	3,625	3,649	3,171	13.5
Textile products.....	3,086	3,053	3,056	1.1	-0.1	-0.1	3,026	3,048	3,077	2,761	9.6
Apparel.....	2,758	2,733	2,627	0.9	4.0	2.3	2,655	2,795	2,744	2,193	21.1
Leather and allied products.....	902	903	904	-0.1	-0.1	0.1	903	898	908	830	8.8
Paper products.....	13,962	14,008	14,052	-0.3	-0.3	0.2	13,974	13,962	14,014	13,968	0.0
Pulp, paper, and paperboard mills.....	6,014	6,025	6,047	-0.2	-0.4	0.7	6,026	5,983	6,000	5,831	3.3
Paperboard containers.....	4,005	4,037	4,027	-0.8	0.2	-0.1	3,971	3,990	4,001	4,097	-3.1
Printing.....	5,424	5,459	5,474	-0.6	-0.3	-0.7	5,469	5,630	5,566	5,471	0.0
Petroleum and coal products.....	55,642	54,085	50,710	2.9	6.7	1.9	53,142	53,529	50,610	42,181	26.0
Petroleum refineries.....	51,823	50,335	47,091	3.0	6.9	1.7	49,436	49,813	46,981	39,311	25.8
Chemical products.....	73,142	73,986	73,805	-1.1	0.2	0.5	72,409	73,609	73,288	66,986	8.1
Pesticides, fertilizers, and other agricultural chemicals.....	3,979	4,063	4,076	-2.1	-0.3	4.8	3,797	3,797	3,608	3,189	19.1
Pharmaceuticals and medicines.....	24,907	25,050	24,935	-0.6	0.5	-0.2	24,722	25,128	24,872	24,418	1.2
Paints, coatings, and adhesives.....	3,054	3,056	3,034	-0.1	0.1	-1.0	2,923	2,933	2,991	2,918	0.2
Plastics and rubber products.....	20,744	20,837	20,859	-0.4	-0.1	-0.5	20,407	20,670	20,867	19,318	5.6

^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 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 2011/2010
	Monthly			Percent Change			Monthly			Year to date			
	Nov. 2011 ^p	Oct. 2011 ^f	Sept. 2011	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2011 ^p	Oct. 2011 ^f	Sept. 2011	Nov. 2010	2011 ^p	2010	
SHIPMENTS													
All manufacturing industries.....	455,028	454,918	452,874	0.0	0.5	0.3	441,539	460,462	466,684	402,538	4,910,921	4,403,627	11.5
Construction materials and supplies.....	37,452	37,566	37,154	-0.3	1.1	-0.9	35,703	39,254	40,069	34,019	411,522	395,973	3.9
Information technology.....	23,950	24,563	24,708	-2.5	-0.6	0.7	23,485	24,712	27,800	25,123	265,565	263,467	0.8
Computers and related products.....	5,939	6,437	6,026	-7.7	6.8	4.0	5,308	7,061	6,817	5,445	62,746	56,743	10.6
Motor vehicle and parts.....	29,849	30,241	28,362	-1.3	6.6	-1.8	29,452	32,575	30,951	26,145	323,939	294,861	9.9
Capital goods.....	76,682	78,255	78,679	-2.0	-0.5	-0.4	73,765	77,156	84,290	70,827	828,482	784,833	5.6
Nondefense capital goods ³	69,794	71,288	71,087	-2.1	0.3	-0.5	66,778	70,419	76,086	62,265	744,613	680,185	9.5
Excluding aircraft.....	65,191	65,746	66,350	-0.8	-0.9	-0.5	61,943	65,627	71,145	58,648	698,825	638,603	9.4
Defense capital goods ⁴	6,888	6,967	7,592	-1.1	-8.2	0.4	6,987	6,737	8,204	8,562	83,869	104,648	-19.9
Consumer goods.....	199,679	198,833	198,033	0.4	0.4	1.3	198,360	202,232	200,425	176,356	2,152,887	1,858,527	15.8
Consumer durable goods.....	26,080	26,396	24,963	-1.2	5.7	-1.2	26,090	27,811	26,776	23,614	282,963	260,366	8.7
Consumer nondurable goods.....	173,599	172,437	173,070	0.7	-0.4	1.7	172,270	174,421	173,649	152,742	1,869,924	1,598,161	17.0
NEW ORDERS													
All manufacturing industries ⁵	459,177	450,932	451,636	1.8	-0.2	-0.1	443,419	448,923	464,693	398,065	4,891,329	4,356,773	12.3
Construction materials and supplies.....	37,880	37,745	36,417	0.4	3.6	-1.7	35,319	38,931	38,844	33,614	415,324	398,882	4.1
Information technology.....	24,306	25,466	25,412	-4.6	0.2	2.9	22,662	25,448	29,503	24,626	266,719	264,582	0.8
Computers and related products.....	6,062	6,408	6,145	-5.4	4.3	6.4	5,431	7,032	6,936	5,656	62,603	56,895	10.0
Motor vehicle and parts.....	29,934	30,071	28,386	-0.5	5.9	-2.2	29,727	32,543	31,031	26,394	323,817	294,181	10.1
Capital goods.....	85,276	79,255	83,750	7.6	-5.4	-2.8	81,076	74,956	88,815	69,889	874,663	797,582	9.7
Nondefense capital goods ³	78,606	72,748	75,387	8.1	-3.5	-3.5	75,865	70,079	80,200	62,555	788,403	699,064	12.8
Excluding aircraft.....	67,001	67,812	68,451	-1.2	-0.9	1.4	62,916	68,176	73,152	60,027	722,493	652,668	10.7
Defense capital goods ⁴	6,670	6,507	8,363	2.5	-22.2	4.0	5,211	4,877	8,615	7,334	86,260	98,518	-12.4
Consumer goods.....	199,856	198,964	197,996	0.4	0.5	1.4	198,615	202,403	200,362	176,582	2,153,080	1,859,221	15.8
Consumer durable goods.....	26,257	26,527	24,926	-1.0	6.4	-0.5	26,345	27,982	26,713	23,840	283,156	261,060	8.5
Consumer nondurable goods.....	173,599	172,437	173,070	0.7	-0.4	1.7	172,270	174,421	173,649	152,742	1,869,924	1,598,161	17.0
UNFILLED ORDERS													
All manufacturing industries ⁵	898,328	887,233	884,132	1.3	0.4	0.6	884,141	875,641	877,634	819,067	(X)	(X)	7.9
Construction materials and supplies.....	57,739	57,311	57,132	0.7	0.3	-1.3	56,234	56,618	56,941	51,781	(X)	(X)	8.6
Information technology.....	126,005	125,649	124,746	0.3	0.7	0.6	123,967	124,790	124,054	119,790	(X)	(X)	3.5
Computers and related products.....	3,511	3,388	3,417	3.6	-0.8	3.6	3,511	3,388	3,417	3,696	(X)	(X)	-5.0
Motor vehicle and parts.....	13,825	13,740	13,910	0.6	-1.2	0.2	13,674	13,399	13,431	13,220	(X)	(X)	3.4
Capital goods.....	683,394	674,800	673,800	1.3	0.1	0.8	674,393	667,082	669,282	622,950	(X)	(X)	8.3
Nondefense capital goods ³	531,486	522,674	521,214	1.7	0.3	0.8	527,330	518,243	518,583	481,719	(X)	(X)	9.5
Excluding aircraft.....	211,473	209,663	207,597	0.9	1.0	1.0	209,762	208,789	206,240	183,686	(X)	(X)	14.2
Defense capital goods ⁴	151,908	152,126	152,586	-0.1	-0.3	0.5	147,063	148,839	150,699	141,231	(X)	(X)	4.1
Consumer goods.....	4,832	4,655	4,524	3.8	2.9	-0.8	4,803	4,548	4,377	4,671	(X)	(X)	2.8
Consumer durable goods.....	4,832	4,655	4,524	3.8	2.9	-0.8	4,803	4,548	4,377	4,671	(X)	(X)	2.8
TOTAL INVENTORIES													
All manufacturing industries.....	609,814	607,016	601,587	0.5	0.9	0.1	608,787	609,936	600,538	550,638	(X)	(X)	10.6
Construction materials and supplies.....	57,977	57,767	57,445	0.4	0.6	0.3	57,219	57,447	57,378	53,156	(X)	(X)	7.6
Information technology.....	42,809	42,815	42,747	0.0	0.2	-0.6	43,478	43,060	42,582	40,966	(X)	(X)	6.1
Computers and related products.....	6,134	6,142	6,083	-0.1	1.0	1.9	6,370	6,199	6,218	5,744	(X)	(X)	10.9
Motor vehicle and parts.....	26,431	26,505	26,258	-0.3	0.9	1.9	26,599	26,532	26,171	23,914	(X)	(X)	11.2
Capital goods.....	190,065	188,338	187,245	0.9	0.6	-0.2	191,513	188,770	186,102	168,412	(X)	(X)	13.7
Nondefense capital goods ³	169,462	168,096	167,207	0.8	0.5	0.1	170,922	168,572	166,241	148,452	(X)	(X)	15.1
Excluding aircraft.....	115,731	114,979	114,624	0.7	0.3	0.3	117,173	115,403	113,922	105,968	(X)	(X)	10.6
Defense capital goods ⁴	20,603	20,242	20,038	1.8	1.0	-2.4	20,591	20,198	19,861	19,960	(X)	(X)	3.2
Consumer goods.....	184,067	182,688	178,793	0.8	2.2	0.4	183,987	186,130	179,503	167,920	(X)	(X)	9.6
Consumer durable goods.....	27,469	27,607	27,481	-0.5	0.5	1.0	27,808	27,922	27,593	26,111	(X)	(X)	6.5
Consumer nondurable goods.....	156,598	155,081	151,312	1.0	2.5	0.3	156,179	158,208	151,910	141,809	(X)	(X)	10.1

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 Nov. 11/10
	Nov. 2011 ^P	Oct. 2011 ^r	Sept. 2011	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2011 ^P	Oct. 2011 ^r	Sept. 2011	Nov. 2010	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	199,941	199,560	196,726	0.2	1.4	-0.1	198,387	199,556	196,470	181,462	9.3
Durable goods industries.....	117,551	117,064	116,869	0.4	0.2	0.3	117,822	117,284	117,071	108,636	8.5
Wood products.....	3,310	3,219	3,159	2.8	1.9	1.0	3,490	3,369	3,285	3,203	9.0
Nonmetallic mineral products.....	4,421	4,441	4,425	-0.5	0.4	1.2	4,393	4,430	4,423	3,950	11.2
Primary metals.....	13,853	13,903	13,949	-0.4	-0.3	-0.3	13,883	14,081	14,212	12,593	10.2
Fabricated metal products.....	16,558	16,448	16,347	0.7	0.6	-0.5	16,327	16,295	16,406	14,627	11.6
Machinery.....	22,580	22,331	22,495	1.1	-0.7	1.4	22,740	22,408	22,498	19,808	14.8
Computers and electronic products.....	18,062	18,161	18,118	-0.5	0.2	-1.6	18,431	18,373	18,114	17,605	4.7
Electrical equipment, appliances, and components.....	6,653	6,583	6,541	1.1	0.6	-0.1	6,560	6,509	6,464	6,259	4.8
Transportation equipment.....	21,464	21,400	21,225	0.3	0.8	1.4	21,337	21,253	21,057	20,648	3.3
Furniture and related products.....	3,282	3,279	3,315	0.1	-1.1	-1.1	3,277	3,247	3,301	3,174	3.2
Miscellaneous products.....	7,368	7,299	7,295	0.9	0.1	1.3	7,384	7,319	7,311	6,769	9.1
Nondurable goods industries.....	82,390	82,496	79,857	-0.1	3.3	-0.7	80,565	82,272	79,399	72,826	10.6
Food products.....	14,494	14,552	14,499	-0.4	0.4	-3.4	14,814	15,139	14,239	14,678	0.9
Beverage and tobacco products.....	4,348	4,350	4,383	0.0	-0.8	-0.8	4,393	4,411	4,264	4,390	0.1
Textiles.....	1,309	1,307	1,316	0.2	-0.7	1.5	1,281	1,287	1,317	1,135	12.9
Textile products.....	1,450	1,425	1,426	1.8	-0.1	0.8	1,428	1,433	1,451	1,258	13.5
Apparel.....	970	946	919	2.5	2.9	2.8	937	947	934	678	38.2
Leather and allied products.....	296	298	297	-0.7	0.3	-3.9	296	300	305	307	-3.6
Paper products.....	6,718	6,735	6,721	-0.3	0.2	0.0	6,763	6,728	6,754	6,742	0.3
Printing.....	2,619	2,625	2,624	-0.2	0.0	-1.0	2,639	2,669	2,679	2,622	0.6
Petroleum and coal products.....	18,208	17,929	15,515	1.6	15.6	-0.7	16,657	17,505	15,286	12,762	30.5
Chemical products.....	23,127	23,478	23,346	-1.5	0.6	0.3	22,727	23,155	23,283	20,674	9.9
Plastics and rubber products.....	8,851	8,851	8,811	0.0	0.5	0.7	8,630	8,698	8,887	7,580	13.9
WORK IN PROCESS											
All manufacturing industries.....	190,503	188,913	186,910	0.8	1.1	0.0	191,634	190,685	185,169	169,289	13.2
Durable goods industries.....	144,160	142,740	141,654	1.0	0.8	-0.5	144,555	143,071	140,907	126,041	14.7
Wood products.....	1,563	1,555	1,498	0.5	3.8	-1.2	1,561	1,568	1,495	1,498	4.2
Nonmetallic mineral products.....	1,215	1,209	1,194	0.5	1.3	-0.7	1,159	1,165	1,179	1,147	1.0
Primary metals.....	10,242	10,023	9,950	2.2	0.7	-0.8	10,019	9,892	9,987	8,636	16.0
Fabricated metal products.....	13,148	12,913	12,742	1.8	1.3	-0.4	13,251	12,988	12,819	11,507	15.2
Machinery.....	15,421	15,213	14,913	1.4	2.0	-0.1	15,792	15,436	14,860	14,492	9.0
Computers and electronic products.....	17,904	18,252	18,245	-1.9	0.0	-0.3	18,037	18,358	17,941	17,849	1.1
Electrical equipment, appliances, and components.....	3,808	3,738	3,702	1.9	1.0	-1.5	3,764	3,701	3,629	3,342	12.6
Transportation equipment.....	76,459	75,446	74,956	1.3	0.7	-0.6	76,548	75,524	74,539	63,336	20.9
Furniture and related products.....	1,063	1,060	1,081	0.3	-1.9	-0.3	1,061	1,050	1,076	986	7.6
Miscellaneous products.....	3,337	3,331	3,373	0.2	-1.2	0.8	3,363	3,389	3,382	3,248	3.5
Nondurable goods industries.....	46,343	46,173	45,256	0.4	2.0	1.6	47,079	47,614	44,262	43,248	8.9
Food products.....	3,524	3,463	3,488	1.8	-0.7	-1.7	4,448	4,425	3,174	4,366	1.9
Beverage and tobacco products.....	5,650	5,617	5,509	0.6	2.0	0.0	6,039	6,017	5,328	5,798	4.2
Textiles.....	849	844	834	0.6	1.2	-0.5	851	844	842	737	15.5
Textile products.....	464	469	467	-1.1	0.4	-1.3	459	464	468	438	4.8
Apparel.....	350	356	353	-1.7	0.8	-7.1	339	354	363	339	0.0
Leather and allied products.....	110	106	102	3.8	3.9	2.0	110	104	100	76	44.7
Paper products.....	1,289	1,297	1,275	-0.6	1.7	1.1	1,270	1,272	1,275	1,210	5.0
Printing.....	1,172	1,212	1,223	-3.3	-0.9	-1.9	1,191	1,312	1,260	1,264	-5.8
Petroleum and coal products.....	16,477	16,055	15,607	2.6	2.9	4.9	15,833	15,981	15,258	12,627	25.4
Chemical products.....	14,492	14,784	14,430	-2.0	2.5	0.6	14,595	14,897	14,221	14,318	1.9
Plastics and rubber products.....	1,966	1,970	1,968	-0.2	0.1	-0.6	1,944	1,944	1,973	2,075	-6.3
FINISHED GOODS											
All manufacturing industries.....	219,370	218,543	217,951	0.4	0.3	0.5	218,766	219,695	218,899	199,887	9.4
Durable goods industries.....	107,290	107,077	106,791	0.2	0.3	0.4	107,073	106,873	106,062	97,943	9.3
Wood products.....	3,945	3,861	3,842	2.2	0.5	-0.4	3,781	3,782	3,788	3,650	3.6
Nonmetallic mineral products.....	5,498	5,452	5,416	0.8	0.7	0.8	5,285	5,288	5,262	5,047	4.7
Primary metals.....	10,445	10,416	10,432	0.3	-0.2	-0.6	10,168	10,258	10,361	8,833	15.1
Fabricated metal products.....	16,773	16,899	16,852	-0.7	0.3	0.6	16,373	16,660	16,598	15,212	7.6
Machinery.....	22,366	22,269	22,211	0.4	0.3	-0.6	22,409	21,851	21,749	19,412	15.4
Computers and electronic products.....	11,925	11,711	11,765	1.8	-0.5	0.4	12,159	11,824	11,821	11,255	8.0
Electrical equipment, appliances, and components.....	5,143	5,138	5,146	0.1	-0.2	-2.2	5,134	5,246	5,153	5,276	-2.7
Transportation equipment.....	16,401	16,501	16,549	-0.6	-0.3	3.1	16,747	16,905	16,696	15,213	10.1
Furniture and related products.....	2,375	2,380	2,389	-0.2	-0.4	-0.9	2,419	2,399	2,397	2,528	-4.3
Miscellaneous products.....	12,419	12,450	12,189	-0.2	2.1	0.7	12,598	12,700	12,237	11,517	9.4
Nondurable goods industries.....	112,080	111,466	111,160	0.6	0.3	0.6	111,693	112,822	112,837	101,944	9.6
Food products.....	26,778	26,804	26,625	-0.1	0.7	0.5	27,458	28,175	27,907	25,702	6.8
Beverage and tobacco products.....	6,731	6,646	6,634	1.3	0.2	1.3	6,601	6,775	6,863	6,205	6.4
Textiles.....	1,470	1,488	1,498	-1.2	-0.7	-1.5	1,467	1,494	1,490	1,299	12.9
Textile products.....	1,172	1,159	1,163	1.1	-0.3	-0.6	1,139	1,151	1,158	1,065	6.9
Apparel.....	1,438	1,431	1,355	5.6	4.6	1.3	1,379	1,494	1,447	1,176	17.3
Leather and allied products.....	496	499	505	-0.6	-1.2	2.2	497	494	503	447	11.2
Paper products.....	5,955	5,976	6,056	-0.4	-1.3	0.3	5,941	5,962	5,985	6,016	-1.2
Printing.....	1,633	1,622	1,627	0.7	-0.3	0.7	1,639	1,649	1,627	1,585	3.4
Petroleum and coal products.....	20,957	20,101	19,588	4.3	2.6	1.8	20,652	20,043	20,066	16,792	23.0
Chemical products.....	35,523	35,724	36,029	-0.6	-0.8	0.6	35,087	35,557	35,784	31,994	9.7
Plastics and rubber products.....	9,927	10,016	10,080	-0.9	-0.6	-1.4	9,833	10,028	10,007	9,663	1.8

^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			
	Nov 2011 ^P	Oct 2011 ^f	Sep 2011	Aug 2011	Nov 2011 ^P	Oct 2011 ^f	Sep 2011	Aug 2011
	All manufacturing industries ²	1.34	1.33	1.33	1.33	(X)	(X)	(X)
Durable goods industries ²	1.82	1.80	1.82	1.81	6.16	6.07	6.08	6.07
Wood products.....	1.64	1.59	1.60	1.61	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.37	1.37	1.39	1.39	(X)	(X)	(X)	(X)
Primary metals.....	1.30	1.34	1.40	1.43	1.28	1.29	1.31	1.31
Fabricated metal products.....	1.83	1.83	1.82	1.84	2.70	2.69	2.66	2.67
Machinery.....	1.98	1.98	1.91	1.89	4.36	4.36	4.16	4.25
Computers and electronic products ²	1.57	1.54	1.56	1.55	5.91	5.76	5.69	5.67
Electrical equipment, appliances, and components.....	1.55	1.52	1.50	1.51	3.03	2.92	2.84	2.79
Transportation equipment.....	2.42	2.34	2.45	2.39	16.38	15.68	16.16	15.77
Furniture and related products.....	1.24	1.24	1.23	1.23	1.45	1.43	1.41	1.40
Miscellaneous products.....	1.69	1.69	1.67	1.67	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.96	0.96	0.94	0.94	(X)	(X)	(X)	(X)
Food products.....	0.72	0.72	0.71	0.72	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.35	1.37	1.33	1.34	(X)	(X)	(X)	(X)
Textiles.....	1.43	1.43	1.41	1.41	(X)	(X)	(X)	(X)
Textile products.....	1.63	1.64	1.64	1.66	(X)	(X)	(X)	(X)
Apparel.....	1.92	1.93	1.87	1.87	(X)	(X)	(X)	(X)
Leather and allied products.....	2.95	2.95	2.94	2.90	(X)	(X)	(X)	(X)
Paper products.....	0.98	0.98	0.99	0.98	(X)	(X)	(X)	(X)
Printing.....	0.79	0.79	0.78	0.78	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.77	0.76	0.71	0.72	(X)	(X)	(X)	(X)
Chemical products.....	1.19	1.21	1.20	1.18	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.27	1.27	1.28	1.29	(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	
	Nov ¹ 2011	Nov ² 2010- Oct 2011	Nov ¹ 2011	Nov ² 2010- Oct 2011	Nov ¹ 2011	Nov ² 2010- Oct 2011	Nov ¹ 2011	Nov ² 2010- Oct 2011
	All manufacturing industries.....	(X)	0.3	(X)	0.4	(X)	0.1	(X)
Durable goods industries.....	0.1	0.4	-0.1	0.7	0.0	0.1	0.0	0.2
Wood products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Nonmetallic mineral products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.1	0.9	-0.6	2.3	-0.1	1.1	0.2	0.6
Fabricated metal products.....	0.2	0.3	0.3	0.7	0.1	0.2	0.1	0.3
Machinery.....	-0.1	1.0	-0.5	2.3	-0.1	0.5	-0.1	0.2
Computers and electronic products.....	0.1	0.5	0.1	0.7	0.0	0.2	0.0	0.1
Electrical equipment, appliances, and components.....	1.0	0.7	0.8	1.2	0.1	0.5	-0.1	0.3
Transportation equipment.....	0.0	0.6	0.0	1.3	0.0	0.1	0.0	0.2
Furniture and related products.....	(X)	0.5	(X)	1.0	(X)	0.6	(X)	0.3
Miscellaneous products.....	(X)	0.4	(X)	0.4	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.7
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.5
Apparel.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Paper products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.3
Printing.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.7
Chemical products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.5

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>.

2012 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 2011	November 23, 2011	December 5, 2011
November 2011	December 23, 2011	January 4, 2012
December 2011	January 26, 2012	February 3, 2012
January 2012	February 28, 2012	March 5, 2012
February 2012	March 28, 2012	April 3, 2012
March 2012	April 25, 2012	May 2, 2012
April 2012	May 24, 2012	June 4, 2012
May 2012	June 27, 2012	July 3, 2012
June 2012	July 26, 2012	August 2, 2012
July 2012	August 24, 2012	August 31, 2012
August 2012	September 27, 2012	October 4, 2012
September 2012	October 25, 2012	November 2, 2012
October 2012	November 27, 2012	December 5, 2012
November 2012	December 24, 2012	Not available at this time