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

Summary. New orders for manufactured goods in October, down two consecutive months, decreased \$1.6 billion or 0.4 percent to \$450.0 billion, the U.S. Census Bureau reported today. This followed a 0.1 percent September decrease. Excluding transportation, new orders increased 0.2 percent. Shipments, up five consecutive months, increased \$2.6 billion or 0.6 percent to \$455.4 billion. This followed a 0.3 percent September increase. Unfilled orders, up eighteen of the last nineteen months, increased \$1.8 billion or 0.2 percent to \$885.9 billion. This followed a 0.6 percent September increase. The unfilled orders-to-shipments ratio was 6.07, down from 6.08 in September. Inventories, up twenty four of the last twenty five months, increased \$5.6 billion or 0.9 percent to \$607.1 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.1 percent September increase. The inventories-to-shipments ratio was 1.33, unchanged from September.

New Orders. New orders for manufactured durable goods in October, down two consecutive months, decreased \$0.9 billion or 0.5 percent to \$198.5 billion, revised from the previously published 0.7 percent decrease. This followed a 1.4 percent September decrease. Transportation equipment, also down two consecutive months, had the largest decrease, \$2.5 billion or 5.1 percent to \$47.2 billion. New orders for manufactured nondurable goods decreased \$0.7 billion or 0.3 percent to \$251.5 billion.

1.6 percent to \$203.9 billion, revised from the previously published 1.3 percent increase. This followed a 0.4 percent September decrease. Transportation equipment, up following two consecutive monthly decreases, had the largest increase, \$2.3 billion or 5.0 percent to \$48.4 billion. Shipments of manufactured nondurable goods, down following four consecutive monthly increases, decreased \$0.7 billion or 0.3 percent to \$251.5 billion. This followed a 0.9 percent September increase. Petroleum and coal products, down two of the last three months, led the decrease, down \$0.6 billion or 0.8 percent to \$71.2 billion.

Unfilled Orders. Unfilled orders for manufactured durable goods in October, up eighteen of the last nineteen months, increased \$1.8 billion or 0.2 percent to \$885.9 billion, unchanged from the previously published increase. This followed a 0.6 percent September increase. Machinery, up twenty one consecutive months, had the largest increase, \$1.6 billion or 1.3 percent to \$117.3 billion. This was at the highest level since the series was first published on a NAICS basis and followed a 0.2 percent September increase.

Inventories. Inventories of manufactured durable goods in October, up twenty two consecutive months, increased \$1.6 billion or 0.4 percent to \$366.9 billion, revised from the previously published 0.5 percent increase. This was at the highest level since the series was first published on a NAICS basis and followed a slight September increase. Transportation equipment, also up twenty two consecutive months, had the largest increase, \$0.9 billion or 0.8 percent to \$113.6 billion. Inventories of manufactured nondurable goods, up two consecutive months, increased \$3.9 billion or 1.7 percent to \$240.2 billion. This followed a 0.4 percent September increase. Petroleum and coal products, also up two consecutive months, led the increase, up \$3.1 billion or 6.1 percent to \$53.8 billion. By stage of fabrication, October materials and supplies increased 0.2 percent in durable goods and 3.5 percent in nondurable goods. Work in process increased 0.8 percent in durable goods and 1.7 percent in nondurable goods. Finished goods increased 0.3 percent in durable goods and 0.4 percent in nondurable

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

The advance report on durable goods for November is scheduled for release on December 23, 2011, at 8:30 a.m. EST and the full report on January 4, 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		
	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Oct. 2010	2011 ^p	2010	Percent 2011/ 2010
All manufacturing industries.....	455,440	452,874	451,411	0.6	0.3	0.1	460,504	466,684	472,254	414,825	4,469,424	4,001,089	11.7
Excluding transportation.....	407,078	406,818	404,468	0.1	0.6	0.7	411,050	416,196	422,572	368,517	4,003,536	3,553,413	12.7
Excluding defense.....	446,333	443,135	441,511	0.7	0.4	0.0	451,676	456,005	462,563	404,193	4,370,989	3,881,794	12.6
With unfilled orders.....	146,072	145,446	144,855	0.4	0.4	0.8	146,292	155,020	150,485	133,872	1,424,278	1,318,443	8.0
Durable goods industries.....	203,949	200,700	201,505	1.6	-0.4	0.1	208,539	212,699	210,208	190,102	1,980,830	1,835,553	7.9
Wood products.....	5,400	5,314	5,296	1.6	0.3	-0.8	5,639	5,603	5,748	5,498	53,918	55,758	-3.3
Nonmetallic mineral products.....	8,013	7,934	7,893	1.0	0.5	0.8	8,446	8,529	8,963	8,128	79,943	77,917	2.6
Primary metals.....	25,352	24,575	24,217	3.2	1.5	-0.6	25,479	25,307	26,038	18,893	239,332	185,100	29.3
Iron and steel mills.....	11,211	10,930	10,927	2.6	0.0	-2.2	11,023	11,169	11,695	9,417	113,646	95,385	19.1
Aluminum and nonferrous metals.....	12,421	11,953	11,616	3.9	2.9	1.1	12,754	12,311	12,548	8,042	109,027	75,933	43.6
Ferrous metal foundries.....	1,720	1,692	1,674	1.7	1.1	-0.5	1,702	1,827	1,795	1,434	16,659	13,782	20.9
Fabricated metal products.....	25,209	25,310	25,055	-0.4	1.0	0.8	26,059	26,873	27,285	24,447	251,390	237,239	6.0
Machinery.....	30,749	31,140	31,461	-1.3	-1.0	5.8	30,292	32,226	31,534	26,064	293,743	260,847	12.6
Farm machinery.....	3,063	2,719	3,681	12.7	-26.1	23.9	2,948	2,686	3,675	2,088	27,167	22,757	19.4
Construction machinery.....	4,223	4,269	4,297	-1.1	-0.7	4.7	4,492	4,414	4,355	3,420	38,452	27,617	39.2
Mining, oil field, and gas field machinery.....	1,619	1,680	1,816	-3.6	-7.5	2.4	1,616	1,666	1,794	1,501	16,330	15,204	7.4
Industrial machinery.....	3,707	3,572	3,393	3.8	5.3	5.3	3,377	3,931	3,002	2,527	32,000	26,645	20.1
Photographic equipment.....	640	640	642	0.0	-0.3	4.9	647	701	687	682	6,478	6,759	-4.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,464	2,475	2,588	-0.4	-4.4	-0.8	2,231	2,684	2,804	2,502	26,091	27,689	-5.8
Metalworking machinery.....	2,066	1,916	1,952	7.8	-1.8	-0.7	2,161	2,056	2,085	1,717	19,031	18,525	2.7
Turbines, generators, and other power transmission equipment.....	3,615	4,619	3,908	-21.7	18.2	9.8	3,719	4,568	3,932	3,346	37,637	32,097	17.3
Material handling equipment.....	2,720	2,625	2,631	3.6	-0.2	4.7	2,670	2,690	2,779	2,211	25,196	21,475	17.3
Computers and electronic products ²	31,482	30,921	31,185	1.8	-0.8	0.6	33,866	32,918	30,489	32,993	306,547	299,957	2.2
Computers.....	4,573	4,248	4,092	7.7	3.8	-4.7	5,533	4,402	3,877	4,826	41,828	37,401	11.8
Computer storage devices.....	759	793	768	-4.3	3.3	22.3	557	1,140	633	471	6,728	5,857	14.9
Other peripheral equipment.....	1,029	985	934	4.5	5.5	3.8	904	1,275	849	753	8,815	8,040	9.6
Nondefense communications equipment.....	2,511	2,572	2,574	-2.4	-0.1	0.3	2,180	3,125	2,433	2,595	25,549	30,656	-16.7
Defense communications equipment.....	467	593	495	-21.2	19.8	6.2	452	672	478	527	4,992	5,532	-9.8
Audio and video equipment.....	227	233	249	-2.6	-6.4	-0.4	280	228	212	330	2,271	2,275	-0.2
Electronic components.....	3,259	3,231	3,338	0.9	-3.2	4.0	3,183	3,475	3,483	3,392	33,007	34,163	-3.4
Nondefense search and navigation equipment.....	1,145	1,123	1,185	2.0	-5.2	-2.9	1,082	1,268	1,234	1,063	11,668	10,689	9.2
Defense search and navigation equipment.....	2,590	2,768	2,780	-6.4	-0.4	2.2	2,540	2,932	2,806	2,840	26,925	30,001	-10.3
Electromedical, measuring, and control instruments.....	7,228	7,259	7,359	-0.4	-1.4	-1.1	6,934	8,371	7,077	7,183	72,653	69,794	4.1
Electrical equipment, appliances, and components.....	10,180	10,275	10,305	-0.9	-0.3	3.9	10,170	11,089	10,784	9,869	101,260	95,327	6.2
Electric lighting equipment.....	987	998	1,023	-1.1	-2.4	0.3	999	1,053	1,056	1,026	10,000	9,739	2.7
Household appliances.....	1,543	1,520	1,499	1.5	1.4	-1.6	1,517	1,591	1,552	1,537	15,508	15,796	-1.8
Electrical equipment.....	3,797	3,857	3,947	-1.6	-2.3	8.2	3,592	4,296	4,090	3,416	37,429	34,507	8.5
Batteries.....	878	883	873	-0.6	1.1	8.9	1,054	1,000	938	1,020	8,526	8,228	3.6
Transportation equipment.....	48,362	46,056	46,943	5.0	-1.9	-4.9	49,454	50,488	49,682	46,308	465,888	447,676	4.1
Automobiles.....	5,629	5,102	5,033	10.3	1.4	-5.5	5,459	5,728	5,549	5,272	52,365	49,845	5.1
Light trucks and utility vehicles.....	8,111	7,252	7,681	11.8	-5.6	-19.2	9,089	8,265	8,427	8,238	79,311	67,963	16.7
Heavy duty trucks.....	2,053	2,018	2,003	1.7	0.7	3.4	2,148	2,214	2,145	1,605	18,447	15,456	19.4
Motor vehicle bodies, parts, and trailers.....	14,322	13,990	14,153	2.4	-1.2	-5.6	15,104	14,923	15,596	14,474	144,314	135,452	6.5
Nondefense aircraft and parts.....	8,770	8,049	7,804	9.0	3.1	3.4	7,681	8,693	7,747	6,031	71,010	64,414	10.2
Defense aircraft and parts.....	3,725	3,792	4,053	-1.8	-6.4	6.1	3,600	4,335	3,879	4,400	40,131	49,047	-18.2
Ships and boats.....	2,233	2,322	2,334	-3.8	-0.5	1.1	2,206	2,382	2,283	2,226	22,999	24,022	-4.3
Furniture and related products.....	5,422	5,499	5,577	-1.4	-1.4	2.9	5,367	5,649	6,008	5,140	55,336	51,638	7.2
Miscellaneous durable goods.....	13,780	13,676	13,573	0.8	0.8	-0.1	13,767	14,017	13,677	12,762	133,473	124,094	7.6
Nondurable goods industries.....	251,491	252,174	249,906	-0.3	0.9	0.0	251,965	253,985	262,046	224,723	2,488,594	2,165,536	14.9
Food products.....	62,766	62,538	62,314	0.4	0.4	1.2	65,503	64,096	63,497	58,922	608,497	547,491	11.1
Grain and oilseed milling.....	8,631	8,382	8,434	3.0	-0.6	2.0	9,163	8,465	8,892	7,546	82,341	69,978	17.7
Dairy products.....	9,311	9,436	9,498	-1.3	-0.7	0.1	9,399	9,651	9,790	8,742	91,670	81,059	13.1
Meat, poultry, and seafood products.....	17,547	17,617	17,544	-0.4	0.4	2.2	17,931	17,508	17,883	16,802	171,850	160,361	7.2
Beverage and tobacco products.....	12,186	12,390	12,257	-1.6	1.1	2.1	12,191	12,449	12,911	11,629	120,455	108,967	10.5
Beverages.....	9,575	9,689	9,343	-1.2	3.7	-1.3	9,580	9,748	9,997	9,026	94,352	83,069	13.6
Tobacco.....	2,611	2,701	2,914	-3.3	-7.3	15.0	2,611	2,701	2,914	2,603	26,103	25,898	0.8
Textile mills.....	2,557	2,596	2,587	-1.5	0.3	-0.9	2,618	2,661	2,700	2,546	26,379	25,007	5.5
Textile products.....	1,865	1,865	1,841	0.0	1.3	0.8	1,898	1,865	1,921	1,820	18,712	18,281	2.4
Apparel.....	1,436	1,402	1,375	2.4	2.0	6.5	1,644	1,500	1,507	1,402	13,139	12,200	7.7
Leather and allied products.....	306	307	311	-0.3	-1.3	-2.2	312	348	331	320	3,178	3,141	1.2
Paper products.....	14,272	14,215	14,309	0.4	-0.7	-0.6	14,410	14,523	15,034	14,727	144,444	143,290	0.8
Pulp, paper, and paperboard mills.....	6,730	6,724	6,746	0.1	-0.3	-0.1	6,802	6,866	7,102	6,798	67,555	66,598	1.6
Paperboard containers.....	4,232	4,212	4,209	0.5	0.1	-2.5	4,323	4,284	4,444	4,551	43,444	42,963	1.1
Printing.....	6,894	6,979	7,072	-1.2	-1.3	2.6	7,226	7,381	7,262	7,352	69,606	69,647	-0.1
Petroleum and coal products.....	71,228	71,806	69,525	-0.8	3.3	-1.9	70,328	70,924	75,251	54,907	704,941	518,419	36.0
Petroleum refineries.....	67,088	67,694	65,139	-0.9	3.9	-2.1	65,807	66,106	69,783	51,304	663,012	485,248	36.6
Chemical products.....	61,584	61,753	62,092	-0.3	-0.5	0.4	59,335	61,491	64,141	55,764	616,820	565,806	9.0
Pesticides, fertilizers, and other agricultural chemicals.....	5,699	5,536	5,440	2.9	1.8	2.7	4,063	4,639	4,855	3,254	53,284	41,793	27.5
Pharmaceuticals and medicines.....	15,011	15,304	15,368	-1.9	-0.4	1.3	15,230	15,425	15,923	15,986	154,011	157,203	-2.0
Paints, coatings, and adhesives.....	2,617	2,576	2,519	1.6	2.3	1.5	2,649	2,712	2,790	2,444	25,807	25,667	0.5
Plastics and rubber products.....	16,397	16,323	16,223	0.5	0.6	0.1	16,500	16,747	17,491	15,334	162,423	153,287	6.0

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

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

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

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Oct. 2010	2011 ^p	2010	Percent 2011/2010
All manufacturing industries ²	450,031	451,636	452,121	-0.4	-0.1	0.1	448,326	464,693	469,793	407,224	4,447,313	3,958,708	12.3
Excluding transportation ²	402,850	401,940	398,424	0.2	0.9	-0.1	402,920	411,431	413,708	358,842	3,966,746	3,517,365	12.8
Excluding defense ²	441,223	440,931	441,626	0.1	-0.2	0.0	441,362	453,367	460,836	399,076	4,344,654	3,843,742	13.0
With unfilled orders ²	147,874	150,847	152,469	-2.0	-1.1	0.8	143,752	158,522	154,912	134,774	1,469,914	1,337,328	9.9
Durable goods industries ²	198,540	199,462	202,215	-0.5	-1.4	0.1	196,361	210,708	207,747	182,501	1,958,719	1,793,172	9.2
Primary metals.....	25,629	24,889	24,432	3.0	1.9	0.0	24,765	25,096	26,004	17,820	238,549	189,202	26.1
Iron and steel mills.....	11,227	11,202	10,890	0.2	2.9	-1.9	10,165	11,095	11,520	8,237	110,861	98,371	12.7
Aluminum and nonferrous metals.....	12,637	12,015	11,760	5.2	2.2	1.3	12,865	12,252	12,589	8,064	110,491	76,724	44.0
Ferrous metal foundries.....	1,765	1,672	1,782	5.6	-6.2	3.4	1,735	1,749	1,895	1,519	17,197	14,107	21.9
Fabricated metal products.....	25,712	25,818	25,477	-0.4	1.3	-0.7	25,879	27,046	27,176	23,097	257,025	238,109	7.9
Machinery.....	32,302	31,398	32,007	2.9	-1.9	-1.9	32,071	31,753	31,685	28,334	316,156	275,364	14.8
Construction machinery.....	4,771	4,621	3,795	3.2	21.8	-17.0	4,999	4,708	3,672	3,535	40,819	28,604	42.7
Mining, oil field, and gas field machinery.....	1,455	1,934	1,546	-24.8	25.1	-42.3	1,545	1,712	1,653	1,380	20,635	17,124	20.5
Industrial machinery.....	3,020	3,214	3,468	-6.0	-7.3	25.2	3,051	3,326	2,791	3,936	32,009	29,535	8.4
Photographic equipment.....	622	630	644	-1.3	-2.2	2.5	604	751	671	679	6,608	6,708	-1.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,616	1,728	2,155	51.4	-19.8	-26.4	2,312	1,571	2,405	2,873	28,855	30,851	-6.5
Metalworking machinery.....	2,179	2,015	2,001	8.1	0.7	-4.2	2,286	2,126	2,117	1,713	20,389	18,392	10.9
Turbines, generators, and other power transmission equipment.....	5,241	5,295	4,755	-1.0	11.4	1.4	5,250	5,158	4,678	3,714	44,895	34,272	31.0
Material handling equipment.....	2,689	2,690	2,844	0.0	-5.4	8.8	2,474	2,986	2,891	2,101	26,091	22,329	16.8
Computers and electronic products ²	24,797	24,602	24,075	0.8	2.2	1.4	24,527	28,711	22,541	23,167	238,783	239,293	-0.2
Computers.....	4,543	4,367	4,071	4.0	7.3	2.5	5,503	4,521	3,856	4,728	41,561	37,342	11.3
Nondefense communications equipment.....	2,829	2,701	2,433	4.7	11.0	7.4	2,789	3,436	2,493	2,538	25,278	30,302	-16.6
Defense communications equipment.....	396	400	496	-1.0	-19.4	5.5	305	603	370	417	4,274	5,629	-24.1
Electronic components.....	3,350	3,342	3,295	0.2	1.4	1.6	3,216	3,540	3,540	3,357	33,299	35,000	-4.9
Nondefense search and navigation equipment.....	1,147	1,318	1,223	-13.0	7.8	5.7	1,068	1,503	1,194	993	12,154	10,360	17.3
Defense search and navigation equipment.....	2,677	2,664	2,770	0.5	-3.8	-0.4	2,407	2,976	2,354	2,016	26,157	29,738	-12.0
Electromedical, measuring, and control instruments.....	7,357	7,322	7,329	0.5	-0.1	-4.4	6,915	8,952	6,521	7,054	73,882	70,467	4.8
Electrical equipment, appliances, and components.....	10,126	10,694	10,550	-5.3	1.4	3.8	10,131	11,152	10,674	9,924	104,387	99,157	5.3
Electric lighting equipment.....	1,009	1,009	993	0.0	1.6	-2.6	994	1,048	1,021	976	10,077	9,847	2.3
Household appliances.....	1,543	1,520	1,517	1.5	0.2	1.7	1,510	1,602	1,534	1,522	15,589	15,835	-1.6
Electrical equipment.....	3,881	3,760	3,895	3.2	-3.5	2.0	3,747	3,921	3,910	3,536	38,937	36,292	7.3
Transportation equipment.....	47,181	49,696	53,697	-5.1	-7.5	0.8	45,406	53,262	56,085	48,382	480,567	441,343	8.9
Motor vehicle bodies, parts, and trailers.....	14,343	14,014	14,314	2.3	-2.1	-5.4	15,311	15,003	15,400	14,767	144,156	134,523	7.2
Nondefense aircraft and parts.....	8,428	10,127	13,814	-16.8	-26.7	26.2	5,394	10,456	14,558	10,285	85,405	70,656	20.9
Defense aircraft and parts.....	3,749	3,331	5,086	12.5	-34.5	24.3	3,273	3,535	4,416	4,061	41,906	48,888	-14.3
Ships and boats.....	1,870	3,025	1,829	-38.2	65.4	-6.1	1,399	2,739	1,392	1,503	23,808	18,174	31.0
Furniture and related products.....	5,491	5,446	5,270	0.8	3.3	-3.1	5,621	5,544	5,249	5,347	55,956	52,448	6.7
Nondurable goods industries.....	251,491	252,174	249,906	-0.3	0.9	0.0	251,965	253,985	262,046	224,723	2,488,594	2,165,536	14.9

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

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Oct. 11/10
	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Oct. 2010	
All manufacturing industries ²	885,934	884,132	878,731	0.2	0.6	0.9	875,094	877,634	874,132	817,558	7.0
Excluding transportation ²	375,168	372,185	370,424	0.8	0.5	0.2	371,155	369,647	368,919	329,977	12.5
Excluding defense ²	714,441	712,340	707,905	0.3	0.6	1.0	707,466	708,142	705,287	657,924	7.5
Durable goods industries ²	885,934	884,132	878,731	0.2	0.6	0.9	875,094	877,634	874,132	817,558	7.0
Primary metals.....	32,406	32,129	31,815	0.9	1.0	0.7	30,878	31,592	31,803	27,803	11.1
Iron and steel mills.....	17,818	17,802	17,530	0.1	1.6	-0.2	16,737	17,595	17,669	16,335	2.5
Aluminum and nonferrous metals.....	11,081	10,865	10,803	2.0	0.6	1.4	10,724	10,613	10,672	8,649	24.0
Ferrous metal foundries.....	3,507	3,462	3,482	1.3	-0.6	3.2	3,417	3,384	3,462	2,819	21.2
Fabricated metal products.....	65,811	65,308	64,800	0.8	0.8	0.7	64,923	65,103	64,930	59,525	9.1
Machinery.....	117,320	115,767	115,509	1.3	0.2	0.5	116,691	114,912	115,385	90,799	28.5
Construction machinery.....	10,672	10,124	9,772	5.4	3.6	-4.9	10,315	9,808	9,514	7,076	45.8
Mining, oil field, and gas field machinery.....	12,965	13,129	12,875	-1.2	2.0	-2.1	12,991	13,062	13,016	8,539	52.1
Industrial machinery.....	13,919	14,606	14,964	-4.7	-2.4	0.5	13,897	14,223	14,828	13,685	1.5
Photographic equipment.....	1,977	1,995	2,005	-0.9	-0.5	0.1	2,009	2,052	2,002	2,170	-7.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	19,917	19,765	20,512	0.8	-3.6	-2.1	19,844	19,763	20,876	16,760	18.4
Metalworking machinery.....	5,679	5,566	5,467	2.0	1.8	0.9	5,626	5,501	5,431	3,982	41.3
Turbines, generators, and other power transmission equipment.....	22,209	20,583	19,907	7.9	3.4	4.4	21,943	20,412	19,822	12,930	69.7
Material handling equipment.....	8,571	8,602	8,537	-0.4	0.8	2.6	8,458	8,654	8,358	7,235	16.9
Computers and electronic products ²	124,601	124,075	123,755	0.4	0.3	-0.2	123,854	123,555	122,269	121,243	2.2
Computers.....	3,387	3,417	3,298	-0.9	3.6	-0.6	3,387	3,417	3,298	3,485	-2.8
Nondefense communications equipment.....	22,675	22,357	22,228	1.4	0.6	-0.6	22,973	22,364	22,053	23,056	-0.4
Defense communications equipment.....	5,737	5,808	6,001	-1.2	-3.2	0.0	5,629	5,776	5,845	6,258	-10.1
Electronic components.....	11,705	11,614	11,503	0.8	1.0	-0.4	11,723	11,690	11,625	11,431	2.6
Nondefense search and navigation equipment.....	9,028	9,026	8,831	0.0	2.2	0.4	9,011	9,025	8,790	8,665	4.0
Defense search and navigation equipment.....	43,999	43,912	44,016	0.2	-0.2	0.0	43,262	43,395	43,351	42,254	2.4
Electromedical, measuring, and control instruments.....	28,070	27,941	27,878	0.5	0.2	-0.1	27,869	27,888	27,307	26,094	6.8
Electrical equipment, appliances, and components.....	26,650	26,704	26,285	-0.2	1.6	0.9	26,379	26,418	26,355	22,461	17.4
Electric lighting equipment.....	1,089	1,067	1,056	2.1	1.0	-2.8	1,094	1,099	1,104	1,074	1.9
Household appliances.....	823	823	823	0.0	0.0	2.2	785	792	781	583	34.6
Electrical equipment.....	14,608	14,524	14,621	0.6	-0.7	-0.4	14,545	14,390	14,765	12,499	16.4
Transportation equipment.....	510,766	511,947	508,307	-0.2	0.7	1.3	503,939	507,987	505,213	487,581	3.4
Motor vehicle bodies, parts, and trailers.....	13,931	13,910	13,886	0.2	0.2	1.2	13,638	13,431	13,351	12,971	5.1
Nondefense aircraft and parts.....	355,396	355,738	353,660	-0.1	0.6	1.7	351,811	354,098	352,335	337,321	4.3
Defense aircraft and parts.....	55,223	55,199	55,660	0.0	-0.8	1.9	53,880	54,207	55,007	50,912	5.8
Ships and boats.....	18,841	19,204	18,501	-1.9	3.8	-2.7	17,745	18,552	18,195	17,083	3.9
Furniture and related products.....	6,800	6,731	6,784	1.0	-0.8	-4.3	6,850	6,596	6,701	6,573	4.2

^p Preliminary ^r Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non- calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading- day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.² Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data.

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

Table 4. Value of Manufacturers' Inventories for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Oct. 11/10
	Oct. 2011 ^P	Sept. 2011 ^F	Aug. 2011	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2011 ^P	Sept. 2011 ^F	Aug. 2011	Oct. 2010	
All manufacturing industries.....	607,147	601,587	600,709	0.9	0.1	0.3	609,776	600,538	606,466	547,063	11.5
Excluding transportation.....	493,528	488,857	488,340	1.0	0.1	0.1	496,091	488,246	493,046	449,921	10.3
Excluding defense.....	581,456	575,981	574,671	1.0	0.2	0.3	584,064	575,013	580,496	522,377	11.8
With unfilled orders.....	300,525	299,420	299,976	0.4	-0.2	0.9	300,886	298,563	302,809	268,430	12.1
Durable goods industries.....	366,935	365,314	365,291	0.4	0.0	0.9	367,115	364,040	368,589	328,857	11.6
Wood products.....	8,558	8,499	8,503	0.7	0.0	0.6	8,670	8,568	8,505	8,493	2.1
Nonmetallic mineral products.....	11,076	11,035	10,947	0.4	0.8	0.9	10,796	10,864	10,867	10,087	7.0
Primary metals.....	34,176	34,331	34,512	-0.5	-0.5	0.7	34,175	34,560	34,929	29,796	14.7
Iron and steel mills.....	21,259	21,419	21,535	-0.7	-0.5	1.1	21,332	21,691	21,864	18,195	17.2
Aluminum and nonferrous metals.....	10,860	10,865	10,954	0.0	-0.8	-0.2	10,793	10,874	11,068	9,783	10.3
Ferrous metal foundries.....	2,057	2,047	2,023	0.5	1.2	1.0	2,050	1,995	1,997	1,818	12.8
Fabricated metal products.....	46,190	45,941	45,982	0.5	-0.1	0.6	45,888	45,823	46,228	41,245	11.3
Machinery.....	59,810	59,619	59,467	0.3	0.3	1.5	59,713	59,107	59,720	52,495	13.7
Farm machinery.....	3,368	3,393	3,463	-0.7	-2.0	3.8	3,071	3,152	3,314	2,568	19.6
Construction machinery.....	5,640	5,697	5,764	-1.0	-1.2	4.8	5,643	5,707	5,706	4,570	23.5
Mining, oil field, and gas field machinery.....	7,342	7,357	7,278	-0.2	1.1	1.3	7,278	7,354	7,401	6,253	16.4
Industrial machinery.....	6,921	6,940	6,806	-0.3	2.0	1.8	6,893	7,028	6,854	6,331	8.9
Photographic equipment.....	1,671	1,642	1,610	1.8	2.0	1.8	1,698	1,623	1,635	1,464	16.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,125	4,102	4,185	0.6	-2.0	-1.3	4,070	3,988	4,248	3,959	2.8
Metalworking machinery.....	5,078	5,006	4,869	1.4	2.8	3.1	5,155	5,128	4,946	4,132	24.8
Turbines, generators, and other power transmission equipment.....	7,569	7,433	7,501	1.8	-0.9	0.5	7,837	7,320	7,706	6,485	20.8
Material handling equipment.....	3,682	3,691	3,678	-0.2	0.4	1.2	3,701	3,676	3,685	3,289	12.5
Computers and electronic products ²	48,132	48,128	48,447	0.0	-0.7	-0.2	48,522	47,876	49,317	46,427	4.5
Computers.....	3,215	3,200	3,131	0.5	2.2	-3.6	3,219	3,404	3,335	3,012	6.9
Computer storage devices.....	1,401	1,396	1,381	0.4	1.1	0.0	1,443	1,364	1,435	1,326	8.8
Other peripheral equipment.....	1,497	1,487	1,458	0.7	2.0	1.8	1,516	1,450	1,527	1,422	6.6
Nondefense communications equipment.....	7,220	7,263	7,292	-0.6	-0.4	1.0	7,299	7,086	7,347	6,991	4.4
Defense communications equipment.....	2,499	2,471	2,747	1.1	-10.0	1.6	2,499	2,471	2,747	2,484	0.6
Audio and video equipment.....	511	520	535	-1.7	-2.8	1.3	579	588	584	590	-1.9
Electronic components.....	7,107	7,178	7,128	-1.0	0.7	-0.6	7,237	7,098	7,115	7,260	-0.3
Nondefense search and navigation equipment.....	3,304	3,235	3,262	2.1	-0.8	1.9	3,386	3,270	3,312	3,188	6.2
Defense search and navigation equipment.....	2,726	2,649	2,694	2.9	-1.7	-2.8	2,735	2,604	2,721	2,835	-3.5
Electromedical, measuring and control instruments.....	12,734	12,839	12,887	-0.8	-0.4	-0.4	12,736	12,676	13,145	11,918	6.9
Electrical equipment, appliances, and components.....	15,536	15,389	15,570	1.0	-1.2	0.3	15,525	15,246	15,825	14,971	3.7
Electric lighting equipment.....	1,796	1,787	1,766	0.5	1.2	0.3	1,787	1,767	1,809	1,698	5.2
Household appliances.....	2,116	2,124	2,214	-0.4	-4.1	0.7	2,173	2,159	2,307	2,284	-4.9
Electrical equipment.....	4,840	4,757	4,946	1.7	-3.8	-1.3	4,857	4,607	4,963	4,960	-2.1
Batteries.....	1,070	1,045	1,019	2.4	2.6	1.7	1,062	1,056	1,063	1,026	3.5
Transportation equipment.....	113,619	112,730	112,369	0.8	0.3	1.4	113,685	112,292	113,420	97,142	17.0
Automobiles.....	3,397	3,352	3,183	1.3	5.3	2.4	3,354	3,257	3,227	2,663	25.9
Light trucks and utility vehicles.....	3,409	3,275	3,155	4.1	3.8	2.0	3,444	3,391	3,352	2,490	38.3
Heavy duty trucks.....	1,451	1,472	1,458	-1.4	1.0	-1.2	1,497	1,462	1,486	1,473	1.6
Motor vehicle bodies, parts, and trailers.....	18,368	18,159	17,978	1.2	1.0	0.9	18,269	18,061	17,961	16,492	10.8
Nondefense aircraft and parts.....	61,939	61,199	61,412	1.2	-0.3	1.8	61,960	60,880	62,091	49,601	24.9
Defense aircraft and parts.....	14,295	14,565	14,414	-1.9	1.0	0.3	14,365	14,661	14,475	13,804	4.1
Ships and boats.....	3,585	3,411	3,434	5.1	-0.7	2.5	3,557	3,329	3,362	3,053	16.5
Furniture and related products.....	6,756	6,785	6,847	-0.4	-0.9	0.3	6,742	6,774	6,920	6,614	1.9
Miscellaneous durable goods.....	23,082	22,857	22,647	1.0	0.9	0.7	23,399	22,930	22,858	21,587	8.4
Nondurable goods industries.....	240,212	236,273	235,418	1.7	0.4	-0.5	242,661	236,498	237,877	218,206	11.2
Food products.....	44,861	44,612	45,059	0.6	-1.0	0.1	47,704	45,320	45,324	45,560	4.7
Grain and oilseed milling.....	5,199	5,083	5,361	2.3	-5.2	-1.5	5,530	4,901	5,232	5,659	-2.3
Dairy products.....	6,058	6,073	6,099	-0.2	-0.4	1.4	6,061	6,132	6,297	5,674	6.8
Meat, poultry, and seafood products.....	8,508	8,413	8,513	1.1	-1.2	-0.4	8,777	8,480	8,522	8,741	0.4
Beverage and tobacco products.....	16,596	16,526	16,474	0.4	0.3	-0.2	17,238	16,455	15,914	16,721	3.1
Beverages.....	13,154	13,105	13,028	0.4	0.6	0.0	13,756	13,140	12,664	13,096	5.0
Tobacco.....	3,442	3,421	3,446	0.6	-0.7	-0.9	3,482	3,315	3,250	3,625	-3.9
Textile mills.....	3,654	3,648	3,656	0.2	-0.2	0.7	3,634	3,649	3,635	3,128	16.2
Textile products.....	3,057	3,056	3,058	0.0	-0.1	0.9	3,055	3,077	3,089	2,794	9.3
Apparel.....	2,736	2,627	2,569	4.1	2.3	1.9	2,794	2,744	2,712	2,308	21.1
Leather and allied products.....	908	904	903	0.4	0.1	0.7	896	908	925	794	12.8
Paper products.....	14,062	14,052	14,018	0.1	0.2	0.2	14,015	14,014	14,013	13,856	1.1
Pulp, paper, and paperboard mills.....	6,053	6,047	6,003	0.1	0.7	0.3	6,003	6,000	5,977	5,776	3.9
Paperboard containers.....	4,040	4,027	4,030	0.3	-0.1	0.6	3,990	4,001	4,021	4,055	-1.6
Printing.....	5,455	5,474	5,512	-0.3	-0.7	-0.7	5,621	5,566	5,609	5,561	1.1
Petroleum and coal products.....	53,810	50,710	49,752	6.1	1.9	-3.2	53,408	50,610	51,793	40,722	31.2
Petroleum refineries.....	50,070	47,091	46,288	6.3	1.7	-3.5	49,697	46,981	48,182	37,857	31.3
Chemical products.....	74,163	73,805	73,458	0.5	0.5	0.3	73,601	73,288	73,871	67,525	9.0
Pesticides, fertilizers, and other agricultural chemicals.....	4,105	4,076	3,890	0.7	4.8	4.4	3,753	3,608	3,466	3,095	21.3
Pharmaceuticals and medicines.....	25,101	24,935	24,977	0.7	-0.2	-0.9	25,161	24,872	25,349	25,122	0.2
Paints, coatings, and adhesives.....	3,070	3,054	3,086	0.5	-1.0	-0.2	2,943	2,991	3,103	2,864	2.8
Plastics and rubber products.....	20,910	20,859	20,959	0.2	-0.5	0.4	20,695	20,867	20,992	19,237	7.6

^P Preliminary^F Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.² Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable 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						
	Monthly			Percent Change			Monthly				Year to date		Percent Change ⁶ 2011/ 2010
	Oct. 2011 ^P	Sept. 2011 ^r	Aug. 2011	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2011 ^P	Sept. 2011 ^r	Aug. 2011	Oct. 2010	2011 ^P	2010	
SHIPMENTS													
All manufacturing industries.....	455,440	452,874	451,411	0.6	0.3	0.1	460,504	466,684	472,254	414,825	4,469,424	4,001,089	11.7
Construction materials and supplies.....	37,488	37,154	37,475	0.9	-0.9	0.8	39,138	40,069	41,875	37,057	375,703	361,954	3.8
Information technology.....	24,627	24,708	24,548	-0.3	0.7	0.4	24,700	27,800	23,953	24,650	242,068	238,344	1.6
Computers and related products.....	6,361	6,026	5,794	5.6	4.0	-0.5	6,994	6,817	5,359	6,050	57,371	51,298	11.8
Motor vehicle and parts.....	30,115	28,362	28,870	6.2	-1.8	-9.1	32,525	30,951	31,896	29,589	294,437	268,716	9.6
Capital goods.....	78,882	78,679	79,029	0.3	-0.4	3.0	77,547	84,290	78,925	71,556	755,108	714,006	5.8
Nondefense capital goods ³	71,872	71,087	71,470	1.1	-0.5	3.0	70,800	76,086	71,434	63,152	678,216	617,920	9.8
Excluding aircraft.....	66,289	66,350	66,689	-0.1	-0.5	3.1	65,982	71,145	66,593	59,638	637,237	579,955	9.9
Defense capital goods ⁴	7,010	7,592	7,559	-7.7	0.4	3.3	6,747	8,204	7,491	8,404	76,892	96,086	-20.0
Consumer goods.....	198,634	198,033	195,501	0.3	1.3	-1.1	202,022	200,425	205,002	178,289	1,954,317	1,682,171	16.2
Consumer durable goods.....	26,359	24,963	25,271	5.6	-1.2	-7.4	27,812	26,776	26,875	25,430	256,874	236,752	8.5
Consumer nondurable goods.....	172,275	173,070	170,230	-0.5	1.7	-0.1	174,210	173,649	178,127	152,859	1,697,443	1,445,419	17.4
NEW ORDERS													
All manufacturing industries ⁵	450,031	451,636	452,121	-0.4	-0.1	0.1	448,326	464,693	469,793	407,224	4,447,313	3,958,708	12.3
Construction materials and supplies.....	37,498	36,417	37,041	3.0	-1.7	-1.7	38,741	38,844	41,066	36,395	379,815	365,268	4.0
Information technology.....	24,884	25,412	24,696	-2.1	2.9	2.2	24,741	29,503	22,943	23,359	243,350	239,956	1.4
Computers and related products.....	6,331	6,145	5,773	3.0	6.4	5.0	6,964	6,936	5,338	5,952	57,104	51,239	11.4
Motor vehicle and parts.....	30,136	28,386	29,031	6.2	-2.2	-9.0	32,732	31,031	31,700	29,882	294,279	267,787	9.9
Capital goods.....	79,157	83,750	86,199	-5.5	-2.8	4.7	74,951	88,815	84,434	74,517	793,582	727,693	9.1
Nondefense capital goods ³	72,561	75,387	78,159	-3.7	-3.5	5.4	70,079	80,200	77,396	68,377	712,538	636,509	11.9
Excluding aircraft.....	67,889	68,451	67,495	-0.8	1.4	0.9	68,078	73,152	65,788	60,978	659,479	592,641	11.3
Defense capital goods ⁴	6,596	8,363	8,040	-21.1	4.0	-2.0	4,872	8,615	7,038	6,140	81,044	91,184	-11.1
Consumer goods.....	198,772	197,996	195,290	0.4	1.4	-1.2	202,206	200,362	204,643	178,359	1,954,268	1,682,639	16.1
Consumer durable goods.....	26,497	24,926	25,060	6.3	-0.5	-8.2	27,996	26,713	26,516	25,500	256,825	237,220	8.3
Consumer nondurable goods.....	172,275	173,070	170,230	-0.5	1.7	-0.1	174,210	173,649	178,127	152,859	1,697,443	1,445,419	17.4
UNFILLED ORDERS													
All manufacturing industries ⁵	885,934	884,132	878,731	0.2	0.6	0.9	875,094	877,634	874,132	817,558	(X)	(X)	7.0
Construction materials and supplies.....	57,142	57,132	57,869	0.0	-1.3	-0.7	56,544	56,941	58,166	52,186	(X)	(X)	8.4
Information technology.....	125,003	124,746	124,042	0.2	0.6	0.1	124,095	124,054	122,351	120,287	(X)	(X)	3.2
Computers and related products.....	3,387	3,417	3,298	-0.9	3.6	-0.6	3,387	3,417	3,298	3,485	(X)	(X)	-2.8
Motor vehicle and parts.....	13,931	13,910	13,886	0.2	0.2	1.2	13,638	13,431	13,351	12,971	(X)	(X)	5.1
Capital goods.....	674,075	673,800	668,729	0.0	0.8	1.1	666,686	669,282	664,757	623,888	(X)	(X)	6.9
Nondefense capital goods ³	521,903	521,214	516,914	0.1	0.8	1.3	517,862	518,583	514,469	481,429	(X)	(X)	7.6
Excluding aircraft.....	209,197	207,597	205,496	0.8	1.0	0.4	208,336	206,240	204,233	182,307	(X)	(X)	14.3
Defense capital goods ⁴	152,172	152,586	151,815	-0.3	0.5	0.3	148,824	150,699	150,288	142,459	(X)	(X)	4.5
Consumer goods.....	4,662	4,524	4,561	3.1	-0.8	-4.4	4,561	4,377	4,440	4,445	(X)	(X)	2.6
Consumer durable goods.....	4,662	4,524	4,561	3.1	-0.8	-4.4	4,561	4,377	4,440	4,445	(X)	(X)	2.6
TOTAL INVENTORIES													
All manufacturing industries.....	607,147	601,587	600,709	0.9	0.1	0.3	609,776	600,538	606,466	547,063	(X)	(X)	11.5
Construction materials and supplies.....	57,695	57,445	57,287	0.4	0.3	0.5	57,353	57,378	57,671	53,318	(X)	(X)	7.6
Information technology.....	42,851	42,747	43,001	0.2	-0.6	0.1	43,126	42,582	43,864	40,605	(X)	(X)	6.2
Computers and related products.....	6,113	6,083	5,970	0.5	1.9	-1.5	6,178	6,218	6,297	5,760	(X)	(X)	7.3
Motor vehicle and parts.....	26,625	26,258	25,774	1.4	1.9	1.1	26,564	26,171	26,026	23,118	(X)	(X)	14.9
Capital goods.....	188,504	187,245	187,564	0.7	-0.2	1.1	188,774	186,102	189,343	165,559	(X)	(X)	14.0
Nondefense capital goods ³	168,268	167,207	167,042	0.6	0.1	1.2	168,587	166,241	168,950	146,099	(X)	(X)	15.4
Excluding aircraft.....	115,038	114,624	114,294	0.4	0.3	1.0	115,474	113,922	115,654	104,489	(X)	(X)	10.5
Defense capital goods ⁴	20,236	20,038	20,522	1.0	-2.4	0.5	20,187	19,861	20,393	19,460	(X)	(X)	3.7
Consumer goods.....	182,635	178,793	178,012	2.1	0.4	-0.8	186,113	179,503	180,700	167,721	(X)	(X)	11.0
Consumer durable goods.....	27,679	27,481	27,221	0.7	1.0	1.0	27,931	27,593	27,689	25,553	(X)	(X)	9.3
Consumer nondurable goods.....	154,956	151,312	150,791	2.4	0.3	-1.2	158,182	151,910	153,011	142,168	(X)	(X)	11.3

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 Oct. 11/10
	Oct. 2011 ^P	Sept. 2011 ^r	Aug. 2011	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2011 ^P	Sept. 2011 ^r	Aug. 2011	Oct. 2010	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	199,719	196,726	196,938	1.5	-0.1	0.8	199,533	196,470	198,107	180,147	10.8
Durable goods industries.....	117,069	116,869	116,558	0.2	0.3	0.7	117,222	117,071	117,214	107,820	8.7
Wood products.....	3,196	3,159	3,128	1.2	1.0	0.7	3,369	3,285	3,141	3,228	4.4
Nonmetallic mineral products.....	4,428	4,425	4,371	0.1	1.2	0.8	4,408	4,423	4,381	3,954	11.5
Primary metals.....	13,853	13,949	13,989	-0.7	-0.3	0.6	14,048	14,212	14,094	12,526	12.2
Fabricated metal products.....	16,408	16,347	16,430	0.4	-0.5	0.2	16,273	16,406	16,546	14,657	11.1
Machinery.....	22,353	22,495	22,183	-0.6	1.4	1.3	22,417	22,498	22,323	19,514	14.9
Computers and electronic products.....	18,132	18,118	18,419	0.1	-1.6	-0.1	18,312	18,114	18,577	17,256	6.1
Electrical equipment, appliances, and components.....	6,645	6,541	6,548	1.6	-0.1	-0.1	6,558	6,464	6,649	6,241	5.1
Transportation equipment.....	21,447	21,225	20,939	1.0	1.4	1.7	21,236	21,057	20,887	20,649	2.8
Furniture and related products.....	3,307	3,315	3,352	-0.2	-1.1	-0.8	3,278	3,301	3,359	3,153	4.0
Miscellaneous products.....	7,300	7,295	7,199	0.1	1.3	0.7	7,323	7,311	7,257	6,642	10.3
Nondurable goods industries.....	82,650	79,857	80,380	3.5	-0.7	0.8	82,311	79,399	80,893	72,327	13.8
Food products.....	14,561	14,499	15,011	0.4	-3.4	1.5	15,144	14,239	14,653	14,926	1.5
Beverage and tobacco products.....	4,353	4,383	4,417	-0.7	-0.8	1.7	4,401	4,264	4,203	4,424	-0.5
Textiles.....	1,311	1,316	1,297	-0.4	1.5	-0.5	1,293	1,317	1,302	1,124	15.0
Textile products.....	1,426	1,426	1,415	0.0	0.8	1.1	1,438	1,451	1,432	1,276	12.7
Apparel.....	943	919	894	2.6	2.8	3.2	944	934	908	678	39.2
Leather and allied products.....	298	297	309	0.3	-3.9	-0.3	298	305	316	282	5.7
Paper products.....	6,746	6,721	6,721	0.4	0.0	0.9	6,733	6,754	6,751	6,645	1.3
Printing.....	2,625	2,624	2,650	0.0	-1.0	-1.0	2,673	2,679	2,686	2,660	0.5
Petroleum and coal products.....	17,934	15,515	15,631	15.6	-0.7	-0.2	17,510	15,286	16,381	12,470	40.4
Chemical products.....	23,538	23,346	23,284	0.8	0.3	1.1	23,130	23,283	23,413	20,344	13.7
Plastics and rubber products.....	8,915	8,811	8,751	1.2	0.7	0.6	8,747	8,887	8,848	7,498	16.7
WORK IN PROCESS											
All manufacturing industries.....	188,749	186,910	186,897	1.0	0.0	-0.2	190,446	185,169	187,995	167,516	13.7
Durable goods industries.....	142,740	141,654	142,336	0.8	-0.5	0.7	143,030	140,907	143,822	124,238	15.1
Wood products.....	1,503	1,498	1,516	0.3	-1.2	-0.1	1,499	1,495	1,513	1,504	-0.3
Nonmetallic mineral products.....	1,206	1,194	1,202	1.0	-0.7	-0.2	1,163	1,179	1,192	1,140	2.0
Primary metals.....	9,927	9,950	10,026	-0.2	-0.8	0.7	9,861	9,987	10,339	8,615	14.5
Fabricated metal products.....	12,864	12,742	12,795	1.0	-0.4	1.2	12,980	12,819	12,911	11,317	14.7
Machinery.....	15,199	14,913	14,930	1.9	-0.1	-1.5	15,476	14,860	15,204	14,263	8.5
Computers and electronic products.....	18,339	18,245	18,306	0.5	-0.3	-0.3	18,370	17,941	18,637	17,780	3.3
Electrical equipment, appliances, and components.....	3,743	3,702	3,759	1.1	-1.5	2.1	3,710	3,629	3,852	3,316	11.9
Transportation equipment.....	75,550	74,956	75,371	0.8	-0.6	1.1	75,516	74,539	75,701	61,967	21.9
Furniture and related products.....	1,063	1,081	1,084	-1.7	-0.3	1.6	1,054	1,076	1,086	973	8.3
Miscellaneous products.....	3,346	3,373	3,347	-0.8	0.8	2.2	3,401	3,382	3,387	3,363	1.1
Nondurable goods industries.....	46,009	45,256	44,561	1.7	1.6	-2.8	47,416	44,262	44,173	43,278	9.6
Food products.....	3,408	3,488	3,549	-2.3	-1.7	-2.2	4,365	3,174	3,055	4,374	-0.2
Beverage and tobacco products.....	5,544	5,509	5,507	0.6	0.0	-0.6	5,926	5,328	4,980	5,805	2.1
Textiles.....	843	834	838	1.1	-0.5	0.2	842	842	848	728	15.7
Textile products.....	478	467	473	2.4	-1.3	0.9	473	468	475	427	10.8
Apparel.....	356	353	380	0.8	-7.1	3.3	354	363	402	352	0.6
Leather and allied products.....	105	102	100	2.9	2.0	5.3	105	100	98	78	34.6
Paper products.....	1,296	1,275	1,261	1.6	1.1	-2.1	1,271	1,275	1,282	1,217	4.4
Printing.....	1,216	1,223	1,247	-0.6	-1.9	0.3	1,299	1,260	1,297	1,295	0.3
Petroleum and coal products.....	15,901	15,607	14,875	1.9	4.9	-6.1	15,856	15,258	15,288	12,109	30.9
Chemical products.....	14,888	14,430	14,351	3.2	0.6	-1.4	14,978	14,221	14,473	14,807	1.2
Plastics and rubber products.....	1,974	1,968	1,980	0.3	-0.6	-1.5	1,947	1,973	1,975	2,086	-6.7
FINISHED GOODS											
All manufacturing industries.....	218,679	217,951	216,874	0.3	0.5	0.4	219,797	218,899	220,364	199,400	10.2
Durable goods industries.....	107,126	106,791	106,397	0.3	0.4	1.4	106,863	106,062	107,553	96,799	10.4
Wood products.....	3,859	3,842	3,859	0.4	-0.4	0.8	3,802	3,788	3,851	3,761	1.1
Nonmetallic mineral products.....	5,442	5,416	5,374	0.5	0.8	1.3	5,225	5,262	5,294	4,993	4.6
Primary metals.....	10,396	10,432	10,497	-0.3	-0.6	0.7	10,266	10,361	10,496	8,655	18.6
Fabricated metal products.....	16,918	16,852	16,757	0.4	0.6	0.6	16,635	16,598	16,771	15,271	8.9
Machinery.....	22,258	22,211	22,354	0.2	-0.6	3.9	21,820	21,749	22,193	18,718	16.6
Computers and electronic products.....	11,661	11,765	11,722	-0.9	0.4	-0.5	11,840	11,821	12,103	11,391	3.9
Electrical equipment, appliances, and components.....	5,148	5,146	5,263	0.0	-2.2	-0.5	5,257	5,153	5,324	5,414	-2.9
Transportation equipment.....	16,622	16,549	16,059	0.4	3.1	2.2	16,933	16,696	16,832	14,526	16.6
Furniture and related products.....	2,386	2,389	2,411	-0.1	-0.9	1.1	2,410	2,397	2,475	2,488	-3.1
Miscellaneous products.....	12,436	12,189	12,101	2.0	0.7	0.3	12,675	12,237	12,214	11,582	9.4
Nondurable goods industries.....	111,553	111,160	110,477	0.4	0.6	-0.5	112,934	112,837	112,811	102,601	10.1
Food products.....	26,892	26,625	26,499	1.0	0.5	-0.4	28,195	27,907	27,616	26,260	7.4
Beverage and tobacco products.....	6,699	6,634	6,550	1.0	1.3	-1.0	6,911	6,863	6,731	6,492	6.5
Textiles.....	1,500	1,498	1,521	0.1	-1.5	1.9	1,499	1,490	1,485	1,276	17.5
Textile products.....	1,153	1,163	1,170	-0.9	-0.6	0.8	1,144	1,158	1,182	1,091	4.9
Apparel.....	1,437	1,355	1,295	6.1	4.6	0.6	1,496	1,447	1,402	1,278	17.1
Leather and allied products.....	505	505	494	0.0	2.2	0.4	493	503	511	434	13.6
Paper products.....	6,020	6,056	6,036	-0.6	0.3	-0.1	6,011	5,985	5,980	5,994	0.3
Printing.....	1,614	1,627	1,615	-0.8	0.7	-1.0	1,649	1,627	1,626	1,606	2.7
Petroleum and coal products.....	19,975	19,588	19,246	2.0	1.8	-3.2	20,042	20,066	20,124	16,143	24.2
Chemical products.....	35,737	36,029	35,823	-0.8	0.6	0.4	35,493	35,784	35,985	32,374	9.6
Plastics and rubber products.....	10,021	10,080	10,228	-0.6	-1.4	0.6	10,001	10,007	10,169	9,653	3.6

^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.

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

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group³

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Oct 2011 ^p	Sep 2011 ^r	Aug 2011	Jul 2011	Oct 2011 ^p	Sep 2011 ^r	Aug 2011	Jul 2011
All manufacturing industries ²	1.33	1.33	1.33	1.33	(X)	(X)	(X)	(X)
Durable goods industries ²	1.80	1.82	1.81	1.80	6.07	6.08	6.07	6.06
Wood products.....	1.58	1.60	1.61	1.58	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.38	1.39	1.39	1.38	(X)	(X)	(X)	(X)
Primary metals.....	1.35	1.40	1.43	1.41	1.28	1.31	1.31	1.30
Fabricated metal products.....	1.83	1.82	1.84	1.84	2.69	2.66	2.67	2.68
Machinery.....	1.95	1.91	1.89	1.97	4.34	4.16	4.25	4.40
Computers and electronic products ²	1.53	1.56	1.55	1.57	5.72	5.69	5.67	5.66
Electrical equipment, appliances, and components.....	1.53	1.50	1.51	1.57	2.86	2.84	2.79	2.86
Transportation equipment.....	2.35	2.45	2.39	2.25	15.68	16.16	15.77	15.39
Furniture and related products.....	1.25	1.23	1.23	1.26	1.45	1.41	1.40	1.51
Miscellaneous products.....	1.68	1.67	1.67	1.66	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.96	0.94	0.94	0.95	(X)	(X)	(X)	(X)
Food products.....	0.71	0.71	0.72	0.73	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.36	1.33	1.34	1.37	(X)	(X)	(X)	(X)
Textiles.....	1.43	1.41	1.41	1.39	(X)	(X)	(X)	(X)
Textile products.....	1.64	1.64	1.66	1.66	(X)	(X)	(X)	(X)
Apparel.....	1.91	1.87	1.87	1.95	(X)	(X)	(X)	(X)
Leather and allied products.....	2.97	2.94	2.90	2.82	(X)	(X)	(X)	(X)
Paper products.....	0.99	0.99	0.98	0.97	(X)	(X)	(X)	(X)
Printing.....	0.79	0.78	0.78	0.81	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.76	0.71	0.72	0.73	(X)	(X)	(X)	(X)
Chemical products.....	1.20	1.20	1.18	1.18	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.28	1.28	1.29	1.29	(X)	(X)	(X)	(X)

X Not Applicable

^p Preliminary

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

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

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Oct ¹ 2011	Oct ² 2010- Sep 2011	Oct ¹ 2011	Oct ² 2010- Sep 2011	Oct ¹ 2011	Oct ² 2010- Sep 2011	Oct ¹ 2011	Oct ² 2010- Sep 2011
All manufacturing industries.....	(X)	0.3	(X)	0.4	(X)	0.1	(X)	0.2
Durable goods industries.....	0.3	0.4	0.2	0.7	0.0	0.1	-0.1	0.2
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.2	0.9	0.0	2.1	-0.1	1.0	-0.5	0.6
Fabricated metal products.....	-0.2	0.3	-0.1	0.7	0.0	0.2	0.0	0.3
Machinery.....	1.5	0.9	1.3	2.3	-0.2	0.6	-0.3	0.2
Computers and electronic products.....	0.6	0.4	0.9	0.7	0.1	0.1	-0.1	0.1
Electrical equipment, appliances, and components.....	-0.2	0.8	-0.1	1.0	0.1	0.3	0.4	0.3
Transportation equipment.....	-0.2	0.7	-0.3	1.3	0.0	0.1	0.1	0.2
Furniture and related products.....	(X)	0.5	(X)	1.2	(X)	0.7	(X)	0.3
Miscellaneous products.....	(X)	0.3	(X)	0.4	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.6	(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)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Leather and allied products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.4
Paper products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.7
Petroleum and coal products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.9
Chemical products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6

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

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

Last revised: November 2, 2011