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## Full Report on Manufacturers' Shipments, Inventories and Orders November 2012

### Summary

New orders for manufactured goods in November, up four of the last five months, increased \$0.2 billion to \$477.6 billion, the U.S. Census Bureau reported today. This followed a 0.8 percent October increase. Excluding transportation, new orders increased 0.2 percent.

Shipments, up four of the last five months, increased \$2.0 billion or 0.4 percent to \$483.7 billion. This followed a 0.3 percent October increase.

Unfilled orders, up five of the last six months, increased \$1.1 billion or 0.1 percent to \$984.5 billion. This followed a 0.3 percent October increase. The unfilled orders-to-shipments ratio was 6.14, down from 6.23 in October.

Inventories, down two consecutive months, decreased slightly to \$615.2 billion. This followed a slight October decrease. The inventories-to-shipments ratio was 1.27, down from 1.28 in October.

### New Orders

New orders for manufactured durable goods in November, up six of the last seven months, increased \$1.7 billion or 0.8 percent to \$220.9 billion, revised from the previously published 0.7 percent increase. This followed a 1.1 percent October increase.

Machinery, up three consecutive months, had the largest increase, \$0.9 billion or 3.0 percent to \$31.9 billion.

New orders for manufactured nondurable goods decreased \$1.5 billion or 0.6 percent to \$256.7 billion.

### Shipments

Shipments of manufactured durable goods in November, up four of the last five months, increased \$3.5 billion or 1.6 percent to \$227.0 billion, revised from the previously published 1.5 percent increase. This followed a slight October increase.

Transportation equipment, up two of the last three months, had the largest increase, \$1.4 billion or 2.2 percent to \$65.6 billion.

Shipments of manufactured nondurable goods, down following four consecutive monthly increases, decreased \$1.5 billion or 0.6 percent to \$256.7 billion. This followed a 0.5 percent October increase. Petroleum and coal products, also down following four consecutive monthly increases, drove the decrease, down \$2.3 billion or 2.9 percent to \$75.1 billion.

### Unfilled Orders

Unfilled orders for manufactured durable goods in November, up five of the last six months, increased \$1.1 billion or 0.1 percent to \$984.5 billion, unchanged from the previously published increase. This followed a 0.3 percent October increase.

Transportation equipment, also up five of the last six months, had the largest increase, \$1.9 billion or 0.3 percent to \$579.6 billion.

### Inventories

Inventories of manufactured durable goods in November, up thirty-four of the last thirty-five months, increased \$0.8 billion or 0.2 percent to \$374.8 billion, unchanged from the previously published increase. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.3 percent October increase.

Transportation equipment, also up thirty-four of the last thirty-five months, had the largest increase, \$0.8 billion or 0.7 percent to \$114.4 billion.

Inventories of manufactured nondurable goods, down two consecutive months, decreased \$0.8 billion or 0.3 percent to \$240.4 billion. This followed a 0.6 percent October decrease. Petroleum and coal products, also down two consecutive months, drove the decrease, down \$1.1 billion or 2.1 percent to \$53.1 billion.

By stage of fabrication, November materials and supplies increased 0.1 percent in durable goods and decreased 1.2 percent in nondurable goods. Work in process increased 0.5 percent in durable goods and decreased 0.3 percent in nondurable goods. Finished goods increased 0.1 percent in durable goods and 0.2 percent in nondurable goods.

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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 28, 2013, at 8:30 a.m. EST and the full report on February 4, 2013, at 10:00 a.m. EST. See back page for survey description and 2013 release schedule. To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets.

Table 1. Value of Manufacturers' Shipments for Industry Groups<sup>1</sup>

[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. 2012 <sup>2</sup>	Oct. 2012 <sup>2</sup>	Sept. 2012	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2012 <sup>2</sup>	Oct. 2012 <sup>2</sup>	Sept. 2012	Nov. 2011	2012 <sup>2</sup>	2011	Percent 2012/ 2011
All manufacturing industries.....	483,701	481,734	480,401	0.4	0.3	0.7	469,261	496,566	485,837	454,237	5,262,055	5,034,289	4.5
Excluding transportation.....	418,069	417,539	415,991	0.1	0.4	0.7	403,728	428,948	418,568	396,422	4,556,898	4,400,220	3.6
Excluding defense.....	472,659	470,880	469,554	0.4	0.3	0.7	457,970	486,208	473,745	443,786	5,144,104	4,912,786	4.7
With unfilled orders.....	160,341	157,791	157,169	1.6	0.4	0.7	154,902	160,315	162,775	146,073	1,734,317	1,623,624	6.8
Durable goods industries.....	226,966	223,498	223,480	1.6	0.0	0.5	219,935	233,037	229,943	207,252	2,468,153	2,299,849	7.3
Wood products.....	6,199	6,317	6,196	-1.9	2.0	-0.4	5,841	6,775	6,331	5,512	68,341	63,847	7.0
Nonmetallic mineral products.....	8,064	8,156	8,115	-1.1	0.5	-0.2	7,891	8,977	8,286	7,897	90,265	87,020	3.7
Primary metals.....	29,272	28,094	28,242	4.2	-0.5	0.8	27,056	28,429	27,828	25,795	317,138	278,800	13.8
Iron and steel mills.....	10,899	10,705	10,751	1.8	-0.4	-2.3	9,659	10,454	10,282	10,566	124,218	127,303	-2.4
Aluminum and nonferrous metals.....	16,596	15,617	15,721	6.3	-0.7	3.0	15,776	16,186	15,760	13,608	172,840	133,568	29.4
Ferrous metal foundries.....	1,777	1,772	1,770	0.3	0.1	0.2	1,621	1,789	1,786	1,621	20,080	17,929	12.0
Fabricated metal products.....	27,370	27,286	27,193	0.3	0.3	-0.2	26,254	28,948	27,912	26,093	304,441	291,763	4.3
Machinery.....	33,667	32,593	32,204	3.3	1.2	-0.8	31,709	33,052	32,608	28,481	355,290	324,265	9.6
Farm machinery.....	2,083	1,715	1,584	21.5	8.3	-1.9	1,593	1,605	1,458	1,769	23,400	27,148	-13.8
Construction machinery.....	5,819	5,571	5,567	4.5	0.1	0.9	5,913	6,229	5,831	4,006	54,639	39,705	37.6
Mining, oil field, and gas field machinery.....	2,117	2,119	2,101	-0.1	0.9	-1.2	1,952	2,116	2,124	1,841	22,749	21,455	6.0
Industrial machinery.....	3,635	3,537	3,423	2.8	3.3	-1.5	3,145	3,512	3,723	2,460	35,694	31,591	13.0
Photographic equipment.....	660	653	632	1.1	3.3	-2.6	688	681	672	694	7,178	7,322	-2.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,250	3,208	3,088	1.3	3.9	-1.1	2,939	2,883	3,186	2,526	34,653	32,336	7.2
Metalworking machinery.....	2,611	2,533	2,495	3.1	1.5	-0.1	2,569	2,673	2,480	2,232	26,917	22,570	19.3
Turbines, generators, and other power transmission equipment.....	3,569	3,389	3,423	5.3	-1.0	0.1	3,537	3,507	3,297	3,684	39,985	38,060	5.1
Material handling equipment.....	2,865	2,887	2,841	-0.8	1.6	0.7	2,813	2,986	2,779	2,611	30,770	27,841	10.5
Computers and electronic products <sup>2</sup> .....	27,567	27,948	28,069	-1.4	-0.4	2.3	26,864	29,918	30,014	27,722	308,209	310,479	-0.7
Computers.....	983	866	1,128	13.5	-23.2	15.1	1,001	976	1,334	1,440	12,252	16,916	-27.6
Computer storage devices.....	615	662	653	-7.1	1.4	-20.6	483	487	919	594	7,784	6,957	11.9
Other peripheral equipment.....	858	842	911	1.9	-7.6	5.1	825	748	1,168	854	9,265	9,254	0.1
Nondefense communications equipment.....	2,687	2,794	2,666	-3.8	4.8	-2.0	2,680	2,569	3,155	2,626	29,083	29,702	-2.1
Defense communications equipment.....	397	496	345	-20.0	43.8	-5.2	420	500	380	543	4,431	5,555	-20.2
Audio and video equipment.....	224	232	258	-3.4	-10.1	5.7	321	263	251	337	2,529	2,437	3.8
Electronic components.....	3,454	3,477	3,477	-0.7	0.0	-1.8	3,336	3,416	3,673	3,529	38,795	39,588	-2.0
Nondefense search and navigation equipment.....	1,285	1,269	1,312	1.3	-3.3	0.8	1,231	1,243	1,446	1,245	14,217	14,090	0.9
Defense search and navigation equipment.....	2,939	2,983	3,032	-1.5	-1.6	4.9	3,019	2,933	3,278	3,006	32,195	32,340	-0.4
Electromedical, measuring, and control instruments.....	6,464	6,247	6,316	3.5	-1.1	4.6	6,296	5,859	6,993	6,438	72,130	74,321	-2.9
Electrical equipment, appliances, and components.....	9,946	9,850	9,798	1.0	0.5	-0.9	9,784	10,064	10,302	9,524	109,673	106,834	2.7
Electric lighting equipment.....	871	884	859	-1.5	2.9	-4.6	849	916	879	885	9,810	10,245	-4.2
Household appliances.....	1,605	1,609	1,600	-0.2	0.6	1.8	1,624	1,653	1,646	1,516	17,395	16,514	5.3
Electrical equipment.....	2,981	2,965	3,002	0.5	-1.2	-1.9	2,762	2,824	3,264	2,768	33,853	33,016	2.5
Batteries.....	1,033	975	1,001	5.9	-2.6	-0.2	1,259	1,168	1,115	1,170	10,884	10,369	5.0
Transportation equipment.....	65,632	64,195	64,410	2.2	-0.3	0.8	65,533	67,618	67,269	57,815	705,157	634,069	11.2
Automobiles.....	9,821	9,073	8,833	8.2	2.7	3.3	9,929	10,113	8,914	7,312	98,198	78,155	25.6
Light trucks and utility vehicles.....	13,005	12,796	13,737	1.6	-6.9	-3.3	12,958	14,629	14,179	11,785	148,057	128,184	15.5
Heavy duty trucks.....	2,226	2,188	2,178	1.7	0.5	-4.8	2,140	2,251	2,203	2,515	26,923	24,362	10.5
Motor vehicle bodies, parts, and trailers.....	19,090	18,735	18,305	1.9	2.3	-0.9	19,021	20,600	18,213	17,522	208,784	198,115	5.4
Nondefense aircraft and parts.....	10,500	10,477	10,426	0.2	0.5	13.6	10,553	9,457	11,387	8,487	103,624	85,037	21.9
Defense aircraft and parts.....	4,719	4,526	4,456	4.3	1.6	-2.9	4,158	4,510	5,210	4,075	49,808	48,746	2.2
Ships and boats.....	2,238	2,276	2,171	-1.7	4.8	-4.7	2,165	2,256	2,231	2,125	24,468	24,416	0.2
Furniture and related products.....	5,436	5,433	5,422	0.1	0.2	0.9	5,201	5,378	5,472	4,886	59,218	56,788	4.3
Miscellaneous durable goods.....	13,813	13,626	13,831	1.4	-1.5	0.8	13,802	13,878	13,921	13,527	150,421	145,984	3.0
Nondurable goods industries.....	256,735	258,236	256,921	-0.6	0.5	0.9	249,326	263,529	255,894	246,985	2,793,902	2,734,440	2.2
Food products.....	61,817	61,406	60,822	0.7	1.0	0.2	63,895	65,138	62,124	62,631	668,055	650,979	2.6
Grain and oilseed milling.....	8,523	8,353	8,269	2.0	1.0	-0.7	9,025	9,396	8,166	8,758	90,562	87,723	3.2
Dairy products.....	8,586	8,473	8,221	1.3	3.1	0.5	8,938	8,760	8,308	9,046	91,651	95,819	-4.3
Meat, poultry, and seafood products.....	16,756	16,811	16,608	-0.3	1.2	0.7	16,965	17,237	16,603	16,962	184,315	181,065	1.8
Beverage and tobacco products.....	12,686	12,591	12,294	0.8	2.4	-5.1	12,808	12,574	12,223	12,343	137,203	129,442	6.0
Beverages.....	9,118	9,150	9,197	-0.3	-0.5	0.2	9,240	9,133	9,126	8,795	100,097	92,664	8.0
Tobacco.....	3,568	3,441	3,097	3.7	11.1	-17.9	3,568	3,441	3,097	3,548	37,106	36,778	0.9
Textile mills.....	2,490	2,486	2,467	0.2	0.8	0.0	2,366	2,526	2,505	2,330	27,590	28,054	-1.7
Textile products.....	1,979	1,977	1,962	0.1	0.8	-1.1	1,902	1,997	1,961	1,845	21,807	20,837	4.7
Apparel.....	1,288	1,326	1,277	-2.9	3.8	-2.1	1,463	1,538	1,324	1,468	14,130	13,442	5.1
Leather and allied products.....	445	457	437	-2.6	4.6	-0.7	414	473	473	420	5,012	4,995	0.3
Paper products.....	13,906	13,943	13,860	-0.3	0.6	-0.1	13,604	14,481	13,865	13,837	153,822	156,413	-1.7
Pulp, paper, and paperboard mills.....	6,619	6,578	6,498	0.6	1.2	0.2	6,375	6,809	6,539	6,432	72,187	73,502	-1.8
Paperboard containers.....	4,048	4,055	4,082	-0.2	-0.7	0.4	3,970	4,278	4,030	4,066	45,171	46,143	-2.1
Printing.....	6,648	6,733	6,668	-1.3	1.0	-0.4	6,869	7,238	6,925	6,956	73,866	75,094	-1.6
Petroleum and coal products.....	75,148	77,410	77,324	-2.9	0.1	3.2	70,547	76,881	76,118	67,958	803,981	764,264	5.2
Petroleum refineries.....	70,882	73,251	73,220	-3.2	0.0	3.4	66,677	72,190	71,602	64,267	756,370	719,399	5.1
Chemical products.....	62,631	62,393	62,442	0.4	-0.1	0.6	58,753	62,657	61,312	60,849	694,211	704,387	-1.4
Pesticides, fertilizers, and other agricultural chemicals.....	3,679	3,374	3,262	9.0	3.4	6.5	3,066	2,603	2,793	2,541	35,298	32,939	7.2
Pharmaceuticals and medicines.....	13,234	13,455	13,496	-1.6	-0.3	-1.4	13,194	14,363	12,938	15,372	154,005	164,860	-6.6
Paints, coatings, and adhesives.....	2,757	2,740	2,736	0.6	0.1	0.1	2,432	2,794	2,719	2,444	31,663	29,954	5.7
Plastics and rubber products.....	17,697	17,514	17,368	1.0	0.8	0.7	16,705	18,026	17,064	16,348	194,225	186,533	4.1

<sup>2</sup> Preliminary<sup>1</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> 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 Groups<sup>1</sup>

[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. 2012 <sup>P</sup>	Oct. 2012 <sup>F</sup>	Sept. 2012	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2012 <sup>P</sup>	Oct. 2012 <sup>F</sup>	Sept. 2012	Nov. 2011	2012 <sup>P</sup>	2011	Percent 2012/2011
All manufacturing industries <sup>2</sup> .....	477,649	477,438	473,786	0.0	0.8	4.5	459,332	485,995	478,659	455,982	5,183,153	5,020,408	3.2
Excluding transportation <sup>2</sup> .....	410,130	409,267	405,220	0.2	1.0	1.2	393,428	416,954	407,014	391,303	4,468,164	4,363,616	2.4
Excluding defense <sup>2</sup> .....	466,874	466,604	462,764	0.1	0.8	4.1	450,049	477,300	466,163	447,917	5,070,221	4,895,670	3.6
With unfilled orders <sup>2</sup> .....	161,449	161,073	157,989	0.2	2.0	13.3	151,658	160,074	162,407	154,438	1,735,309	1,684,559	3.0
Durable goods industries <sup>2</sup> .....	220,914	219,202	216,865	0.8	1.1	9.1	210,006	222,466	222,765	208,997	2,389,251	2,285,968	4.5
Primary metals.....	29,362	28,645	27,966	2.5	2.4	3.9	27,360	28,677	26,577	27,382	311,526	279,353	11.5
Iron and steel mills.....	11,139	11,210	10,523	-0.6	6.5	3.3	10,091	10,516	9,356	11,931	120,429	125,274	-3.9
Aluminum and nonferrous metals.....	16,515	15,654	15,758	5.5	-0.7	4.8	15,702	16,377	15,584	13,768	171,123	135,533	26.3
Ferrous metal foundries.....	1,708	1,781	1,685	-4.1	5.7	-0.4	1,567	1,784	1,637	1,683	19,974	18,546	7.7
Fabricated metal products.....	27,695	27,173	27,013	1.9	0.6	-1.5	25,699	27,961	27,372	26,214	307,893	297,567	3.5
Machinery.....	31,906	30,976	29,936	3.0	3.5	7.8	29,246	31,953	29,408	29,411	342,897	353,774	-3.1
Construction machinery.....	4,630	4,320	4,754	7.2	-9.1	5.8	4,759	5,266	4,927	4,112	47,424	45,915	3.3
Mining, oil field, and gas field machinery.....	2,115	2,032	2,060	4.1	-1.4	45.7	1,864	2,176	1,804	1,317	21,194	27,678	-23.4
Industrial machinery.....	3,466	3,161	3,159	9.6	0.1	-8.9	2,914	3,280	3,302	3,325	34,794	31,454	10.6
Photographic equipment.....	618	666	629	-7.2	5.9	-1.6	577	679	723	699	7,548	7,504	0.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,251	3,554	3,200	-8.5	11.1	169.6	2,706	3,023	2,940	2,464	34,512	33,638	2.6
Metalworking machinery.....	2,423	2,568	2,507	-5.6	2.4	6.4	2,330	2,813	2,442	2,240	26,495	24,297	9.0
Turbines, generators, and other power transmission equipment.....	3,328	3,007	2,687	10.7	11.9	3.9	3,341	3,056	2,560	5,238	37,845	45,815	-17.4
Material handling equipment.....	2,941	2,843	2,568	3.4	10.7	-13.0	2,829	2,736	2,680	2,495	30,981	28,537	8.6
Computers and electronic products <sup>2</sup> .....	20,782	20,685	20,318	0.5	1.8	-0.5	19,124	19,515	24,060	19,546	233,320	234,135	-0.3
Computers.....	1,117	919	1,154	21.5	-20.4	11.5	1,135	1,029	1,360	1,457	12,472	16,820	-25.9
Nondefense communications equipment.....	3,155	3,095	2,515	1.9	23.1	-4.2	2,636	2,957	3,509	2,063	32,689	29,340	11.4
Defense communications equipment.....	363	394	280	-7.9	40.7	-21.3	256	334	428	233	3,707	4,460	-16.9
Electronic components.....	3,570	3,610	3,499	-1.1	3.2	0.7	3,346	3,519	3,614	3,451	38,976	39,854	-2.2
Nondefense search and navigation equipment.....	1,503	1,684	1,682	-10.7	0.1	-0.1	1,562	1,679	1,818	1,612	18,376	15,159	21.2
Defense search and navigation equipment.....	2,629	2,704	2,672	-2.8	1.2	-9.7	2,253	2,494	2,945	2,403	30,649	30,434	0.7
Electromedical, measuring, and control instruments.....	6,247	6,041	6,158	3.4	-1.9	5.3	5,740	5,411	7,441	6,052	71,239	74,917	-4.9
Electrical equipment, appliances, and components.....	10,127	9,966	9,445	1.6	5.5	-3.8	9,899	10,144	9,646	9,746	109,642	110,096	-0.4
Electric lighting equipment.....	906	916	870	-1.1	5.3	-0.6	864	919	940	812	9,897	10,390	-4.7
Household appliances.....	1,605	1,619	1,604	-0.9	0.9	2.3	1,650	1,651	1,642	1,563	17,413	16,648	4.6
Electrical equipment.....	3,042	3,068	2,844	-0.8	7.9	-7.2	2,876	2,943	2,872	3,042	34,098	34,428	-1.0
Transportation equipment.....	67,519	68,171	68,566	-1.0	-0.6	29.7	65,904	69,041	71,645	64,679	714,989	656,792	8.9
Motor vehicle bodies, parts, and trailers.....	19,166	18,635	17,998	2.8	3.5	-2.4	19,378	20,456	18,014	17,856	207,470	197,890	4.8
Nondefense aircraft and parts.....	12,625	14,652	14,616	-13.8	0.2	2,642.2	11,884	12,353	15,571	16,739	122,724	107,955	13.7
Defense aircraft and parts.....	4,974	5,669	5,923	-12.3	-4.3	31.9	4,766	4,997	6,497	4,121	51,755	50,547	2.4
Ships and boats.....	1,584	1,686	1,564	-6.0	7.8	16.1	1,361	1,410	1,620	1,057	18,479	25,395	-27.2
Furniture and related products.....	5,388	5,427	5,486	-0.7	-1.1	1.6	5,181	5,485	5,526	5,014	59,894	57,351	4.4
Nondurable goods industries.....	256,735	258,236	256,921	-0.6	0.5	0.9	249,326	263,529	255,894	246,985	2,793,902	2,734,440	2.2

<sup>P</sup> Preliminary<sup>F</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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-calender 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.

<sup>2</sup> 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 Groups<sup>1</sup>**

[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. 12/11
	Monthly			Percent Change			Monthly				
	Nov. 2012 <sup>p</sup>	Oct. 2012 <sup>r</sup>	Sept. 2012	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2012 <sup>p</sup>	Oct. 2012 <sup>r</sup>	Sept. 2012	Nov. 2011	
All manufacturing industries <sup>2</sup> .....	984,514	983,406	980,124	0.1	0.3	0.1	966,915	970,159	970,400	937,209	3.2
Excluding transportation <sup>2</sup> .....	404,936	405,715	406,409	-0.2	-0.2	-0.8	396,417	400,032	401,696	400,217	-0.9
Excluding defense <sup>2</sup> .....	794,911	793,536	790,234	0.2	0.4	0.1	782,419	783,655	782,233	749,021	4.5
Durable goods industries <sup>2</sup> .....	984,514	983,406	980,124	0.1	0.3	0.1	966,915	970,159	970,400	937,209	3.2
Primary metals.....	32,047	31,957	31,406	0.3	1.8	-0.9	30,390	30,086	29,838	33,703	-9.8
Iron and steel mills.....	17,879	17,639	17,134	1.4	2.9	-1.3	16,630	16,198	16,136	18,525	-10.2
Aluminum and nonferrous metals.....	10,828	10,909	10,872	-0.7	0.3	0.3	10,509	10,583	10,392	11,929	-11.9
Ferrous metal foundries.....	3,340	3,409	3,400	-2.0	0.3	-2.4	3,251	3,305	3,310	3,249	0.1
Fabricated metal products.....	83,078	82,753	82,866	0.4	-0.1	-0.2	80,823	81,378	82,365	77,204	4.7
Machinery.....	124,271	126,032	127,649	-1.4	-1.3	-1.7	122,069	124,532	125,631	132,435	-7.8
Construction machinery.....	20,448	21,637	22,888	-5.5	-5.5	-3.4	19,604	20,758	21,721	26,631	-26.4
Mining, oil field, and gas field machinery.....	18,600	18,602	18,689	0.0	-0.5	-0.2	18,636	18,724	18,664	19,824	-6.0
Industrial machinery.....	7,616	7,785	8,161	-2.2	-4.6	-3.1	7,496	7,727	7,959	8,457	-11.4
Photographic equipment.....	2,843	2,885	2,872	-1.5	0.5	-0.1	2,832	2,943	2,945	2,710	4.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,821	8,820	8,474	0.0	4.1	1.3	8,249	8,482	8,342	8,311	-0.7
Metalworking machinery.....	7,015	7,203	7,168	-2.6	0.5	0.2	6,886	7,125	6,985	7,228	-4.7
Turbines, generators, and other power transmission equipment.....	25,519	25,760	26,142	-0.9	-1.5	-2.7	25,357	25,553	26,004	26,436	-4.1
Material handling equipment.....	8,154	8,078	8,122	0.9	-0.5	-3.3	7,944	7,928	8,178	7,514	5.7
Computers and electronic products <sup>2</sup> .....	137,113	136,738	136,423	0.3	0.2	-0.2	135,117	136,172	136,245	129,384	4.4
Computers.....	1,376	1,242	1,189	10.8	4.5	2.2	1,376	1,242	1,189	1,168	17.8
Nondefense communications equipment.....	29,145	28,677	28,376	1.6	1.1	-0.5	28,993	29,037	28,649	25,090	15.6
Defense communications equipment.....	5,014	5,048	5,150	-0.7	-2.0	-1.2	4,850	5,014	5,180	5,855	-17.2
Electronic components.....	13,374	13,258	13,125	0.9	1.0	0.2	13,249	13,239	13,136	13,173	0.6
Nondefense search and navigation equipment.....	14,123	13,905	13,490	1.6	3.1	2.8	14,236	13,905	13,469	10,179	39.9
Defense search and navigation equipment.....	45,403	45,713	45,992	-0.7	-0.6	-0.8	44,302	45,068	45,507	45,146	-1.9
Electromedical, measuring, and control instruments.....	28,678	28,895	29,101	-0.8	-0.7	-0.5	28,111	28,667	29,115	28,773	-2.3
Electrical equipment, appliances, and components.....	21,050	20,869	20,753	0.9	0.6	-1.7	20,697	20,582	20,502	20,391	1.5
Electric lighting equipment.....	1,097	1,062	1,030	3.3	3.1	1.1	1,122	1,107	1,104	1,124	-0.2
Household appliances.....	675	675	665	0.0	1.5	0.6	667	641	643	671	-0.6
Electrical equipment.....	9,818	9,757	9,654	0.6	1.1	-1.6	9,751	9,637	9,518	9,602	1.6
Transportation equipment.....	579,578	577,691	573,715	0.3	0.7	0.7	570,498	570,127	568,704	536,992	6.2
Motor vehicle bodies, parts, and trailers.....	16,100	16,024	16,124	0.5	-0.6	-1.9	15,804	15,447	15,591	16,318	-3.1
Nondefense aircraft and parts.....	410,052	407,927	403,752	0.5	1.0	1.0	404,857	403,526	400,630	364,472	11.1
Defense aircraft and parts.....	63,102	62,847	61,704	0.4	1.9	2.4	61,303	61,348	60,509	57,938	5.8
Ships and boats.....	16,553	17,207	17,797	-3.8	-3.3	-3.3	15,799	16,603	17,449	22,852	-30.9
Furniture and related products.....	6,404	6,452	6,458	-0.7	-0.1	1.0	6,348	6,368	6,261	6,174	2.8

<sup>p</sup> Preliminary<sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> 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 Groups<sup>1</sup>

[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. 12/11
	Nov. 2012 <sup>p</sup>	Oct. 2012 <sup>f</sup>	Sept. 2012	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2012 <sup>p</sup>	Oct. 2012 <sup>f</sup>	Sept. 2012	Nov. 2011	
All manufacturing industries.....	615,181	615,204	615,453	0.0	0.0	0.6	614,702	618,373	614,642	599,792	2.5
Excluding transportation.....	500,827	501,673	502,758	-0.2	-0.2	0.6	500,112	504,365	502,397	495,647	0.9
Excluding defense.....	589,253	589,582	589,697	-0.1	0.0	0.7	588,755	592,764	589,026	573,554	2.7
With unfilled orders.....	303,903	303,298	302,277	0.2	0.3	0.3	303,913	303,550	300,852	289,380	5.0
Durable goods industries.....	374,820	374,011	372,820	0.2	0.3	0.2	374,965	374,411	371,034	358,176	4.7
Wood products.....	9,123	9,083	9,058	0.4	0.3	0.9	9,166	9,184	9,104	8,868	3.4
Nonmetallic mineral products.....	11,646	11,643	11,642	0.0	0.0	-0.4	11,342	11,326	11,455	11,090	2.3
Primary metals.....	34,453	34,543	34,285	-0.3	0.8	0.5	33,969	34,297	34,330	34,679	-2.0
Iron and steel mills.....	20,002	19,993	19,879	0.0	0.6	0.5	19,621	19,825	19,966	20,734	-5.4
Aluminum and nonferrous metals.....	12,324	12,418	12,257	-0.8	1.3	0.8	12,219	12,343	12,263	11,882	2.8
Ferrous metal foundries.....	2,127	2,132	2,149	-0.2	-0.8	-0.4	2,129	2,129	2,101	2,063	3.2
Fabricated metal products.....	46,198	46,214	46,069	0.0	0.3	0.2	45,761	46,011	45,972	45,263	1.1
Machinery.....	66,617	66,857	66,990	-0.4	-0.2	0.0	67,126	66,780	66,369	62,662	7.1
Farm machinery.....	3,800	3,798	3,780	0.1	0.5	1.1	3,651	3,433	3,468	3,391	7.7
Construction machinery.....	5,734	5,962	6,047	-3.8	-1.4	-0.5	5,744	5,960	6,033	5,253	9.3
Mining, oil field, and gas field machinery.....	7,987	7,900	7,838	1.1	0.8	0.7	7,933	7,779	7,813	6,849	15.8
Industrial machinery.....	7,179	7,185	7,165	-0.1	0.3	-0.6	7,316	7,191	7,204	7,320	-0.1
Photographic equipment.....	1,446	1,454	1,467	-0.6	-0.9	-0.4	1,506	1,507	1,475	1,525	-1.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,135	4,079	4,075	1.4	0.1	-0.1	4,077	4,047	4,003	3,994	2.1
Metalworking machinery.....	5,597	5,566	5,496	0.6	1.3	0.5	5,664	5,690	5,645	5,156	9.9
Turbines, generators, and other power transmission equipment.....	10,932	11,042	11,206	-1.0	-1.5	0.5	11,308	11,367	11,049	10,196	10.9
Material handling equipment.....	4,428	4,484	4,485	-1.2	0.0	-0.3	4,472	4,528	4,512	3,954	13.1
Computers and electronic products <sup>2</sup> .....	46,736	46,501	46,575	0.5	-0.2	0.2	47,198	46,883	46,214	46,202	2.2
Computers.....	1,134	1,175	1,114	-3.5	5.5	-3.5	1,190	1,197	1,143	1,398	-14.9
Computer storage devices.....	1,081	1,058	1,035	2.2	2.2	-4.2	1,130	1,101	1,006	1,131	-0.1
Other peripheral equipment.....	1,620	1,645	1,657	-1.5	-0.7	-2.8	1,680	1,677	1,610	1,796	-6.5
Nondefense communications equipment.....	6,912	6,937	6,993	-0.4	-0.8	0.4	7,177	7,044	6,885	7,024	2.2
Defense communications equipment.....	1,356	1,490	1,616	-9.0	-7.8	1.6	1,356	1,490	1,616	2,050	-33.9
Audio and video equipment.....	678	679	680	-0.1	-0.1	3.0	745	778	780	648	15.0
Electronic components.....	7,363	7,333	7,353	0.4	-0.3	0.7	7,414	7,400	7,263	6,960	6.5
Nondefense search and navigation equipment.....	3,439	3,369	3,325	2.1	1.3	-1.8	3,426	3,422	3,321	3,205	6.9
Defense search and navigation equipment.....	2,794	2,717	2,701	2.8	0.6	-0.2	2,753	2,704	2,629	2,854	-3.5
Electromedical, measuring and control instruments.....	12,143	11,941	11,906	1.7	0.3	0.5	12,344	11,965	11,749	11,977	3.1
Electrical equipment, appliances, and components.....	15,705	15,731	15,554	-0.2	1.1	0.8	15,545	15,658	15,248	14,968	3.9
Electric lighting equipment.....	1,781	1,787	1,800	-0.3	-0.7	0.8	1,757	1,764	1,778	1,634	7.5
Household appliances.....	1,664	1,667	1,665	-0.2	0.1	0.8	1,621	1,701	1,677	1,685	-3.8
Electrical equipment.....	4,652	4,617	4,572	0.8	1.0	-1.1	4,715	4,584	4,329	4,657	1.2
Batteries.....	998	1,025	1,054	-2.6	-2.8	-0.8	953	1,046	1,063	1,001	-4.8
Transportation equipment.....	114,354	113,531	112,695	0.7	0.7	0.5	114,590	114,008	112,245	104,145	10.0
Automobiles.....	3,094	3,024	2,913	2.3	3.8	3.6	3,225	3,120	2,891	2,762	16.8
Light trucks and utility vehicles.....	2,645	2,677	2,548	-1.2	5.1	-0.9	2,778	2,834	2,621	2,666	4.2
Heavy duty trucks.....	2,243	2,181	2,120	2.8	2.9	0.4	2,346	2,280	2,122	2,076	13.0
Motor vehicle bodies, parts, and trailers.....	17,615	17,678	17,709	-0.4	-0.2	0.3	17,560	17,634	17,597	17,178	2.2
Nondefense aircraft and parts.....	62,328	61,858	61,158	0.8	1.1	1.5	62,171	61,946	60,798	53,944	15.3
Defense aircraft and parts.....	13,627	13,178	13,170	3.4	0.1	-3.3	13,652	13,264	13,257	13,315	2.5
Ships and boats.....	3,041	3,068	3,083	-0.9	-0.5	-0.8	3,036	3,058	3,027	2,843	6.8
Furniture and related products.....	6,221	6,207	6,173	0.2	0.6	0.2	6,248	6,191	6,185	6,035	3.5
Miscellaneous durable goods.....	23,767	23,701	23,779	0.3	-0.3	-0.6	24,020	24,073	23,912	24,264	-1.0
Nondurable goods industries.....	240,361	241,193	242,633	-0.3	-0.6	1.1	239,737	243,962	243,608	241,616	-0.8
Food products.....	45,950	45,906	45,491	0.1	0.9	0.7	47,890	48,907	46,116	46,438	3.1
Grain and oilseed milling.....	5,466	5,564	5,583	-1.8	-0.3	3.2	5,545	5,936	5,379	5,135	8.0
Dairy products.....	5,915	5,918	5,837	-0.1	1.4	0.3	5,684	5,922	5,867	5,782	-1.7
Meat, poultry, and seafood products.....	7,915	7,868	7,813	0.6	0.7	0.9	8,254	8,139	7,924	7,845	5.2
Beverage and tobacco products.....	19,050	18,975	18,728	0.4	1.3	1.4	19,376	19,676	18,540	18,147	6.8
Beverages.....	15,290	15,209	14,963	0.5	1.6	1.5	15,511	15,855	14,896	14,354	8.1
Tobacco.....	3,760	3,766	3,765	-0.2	0.0	1.0	3,865	3,821	3,644	3,793	1.9
Textile mills.....	3,373	3,377	3,377	-0.1	0.0	-0.2	3,339	3,363	3,374	3,500	-4.6
Textile products.....	3,196	3,172	3,153	0.8	0.6	0.4	3,151	3,157	3,175	3,205	-1.7
Apparel.....	2,466	2,419	2,385	1.9	1.4	1.6	2,381	2,473	2,548	2,164	10.0
Leather and allied products.....	863	852	853	1.3	-0.1	-0.8	868	849	863	804	8.0
Paper products.....	13,944	13,981	14,014	-0.3	-0.2	-0.8	13,906	13,921	14,027	14,247	-2.4
Pulp, paper, and paperboard mills.....	5,959	6,006	6,062	-0.8	-0.9	-2.0	5,919	5,951	6,065	6,311	-6.2
Paperboard containers.....	4,122	4,124	4,093	0.0	0.8	0.4	4,081	4,086	4,060	3,961	3.0
Printing.....	5,266	5,262	5,265	0.1	-0.1	-1.7	5,311	5,423	5,353	5,434	-2.3
Petroleum and coal products.....	53,063	54,203	55,589	-2.1	-2.5	3.6	51,526	53,800	56,102	52,333	-1.5
Petroleum refineries.....	48,843	49,909	51,287	-2.1	-2.7	3.7	47,355	49,502	51,782	48,216	-1.8
Chemical products.....	71,501	71,438	72,272	0.1	-1.2	0.2	70,783	71,000	72,069	74,433	-4.9
Pesticides, fertilizers, and other agricultural chemicals.....	4,235	4,096	4,110	3.4	-0.3	-1.0	4,054	3,805	3,820	3,894	4.1
Pharmaceuticals and medicines.....	23,555	23,586	24,238	-0.1	-2.7	1.7	23,422	23,620	24,208	24,717	-5.2
Paints, coatings, and adhesives.....	2,860	2,876	2,889	-0.6	-0.4	-0.9	2,739	2,756	2,831	2,828	-3.1
Plastics and rubber products.....	21,689	21,608	21,506	0.4	0.5	0.7	21,206	21,393	21,441	20,911	1.4

<sup>p</sup> Preliminary<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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 change.

<sup>2</sup> Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable aggregate totals, but are not shown separate.

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<sup>1,2</sup>**

[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 <sup>6</sup> 2012/ 2011
	Monthly			Percent Change			Monthly			Year to date			
	Nov. 2012 <sup>p</sup>	Oct. 2012 <sup>f</sup>	Sept. 2012	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2012 <sup>p</sup>	Oct. 2012 <sup>f</sup>	Sept. 2012	Nov. 2011	2012 <sup>p</sup>	2011	
<b>SHIPMENTS</b>													
All manufacturing industries.....	483,701	481,734	480,401	0.4	0.3	0.7	469,261	496,566	485,837	454,237	5,262,055	5,034,289	4.5
Construction materials and supplies.....	40,869	40,846	40,365	0.1	1.2	-0.5	38,882	43,696	41,592	37,926	455,058	434,329	4.8
Information technology.....	21,069	20,963	21,125	0.5	-0.8	1.8	20,821	20,356	23,601	21,452	234,429	240,087	-2.4
Computers and related products.....	2,456	2,370	2,692	3.6	-12.0	0.9	2,309	2,211	3,421	2,888	29,301	33,127	-11.5
Motor vehicle and parts.....	44,142	42,792	43,053	3.2	-0.6	-1.1	44,048	47,593	43,509	39,134	481,962	428,816	12.4
Capital goods.....	79,844	78,627	78,737	1.5	-0.1	1.8	77,556	77,841	83,041	72,359	856,120	808,917	5.8
Nondefense capital goods <sup>3</sup> .....	71,277	70,288	70,173	1.4	0.2	1.4	68,753	69,841	73,626	64,332	764,674	712,003	7.4
Excluding aircraft.....	64,316	63,074	62,850	2.0	0.4	-0.3	61,681	63,311	65,834	59,016	696,402	661,661	5.3
Defense capital goods <sup>4</sup> .....	8,567	8,339	8,564	2.7	-2.6	5.4	8,803	8,000	9,415	8,027	91,446	96,914	-5.6
Consumer goods.....	209,598	210,691	210,519	-0.5	0.1	0.8	207,112	217,831	210,384	201,171	2,271,932	2,175,209	4.4
Consumer durable goods.....	35,695	34,670	35,559	3.0	-2.5	0.0	35,538	37,644	36,287	31,541	388,415	343,929	12.9
Consumer nondurable goods.....	173,903	176,021	174,960	-1.2	0.6	0.9	171,574	180,187	174,097	169,630	1,883,517	1,831,280	2.9
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	477,649	477,438	473,786	0.0	0.8	4.5	459,332	485,995	478,659	455,982	5,183,153	5,020,408	3.2
Construction materials and supplies.....	40,731	41,072	40,472	-0.8	1.5	4.0	37,993	43,314	41,332	37,741	455,531	437,527	4.1
Information technology.....	21,371	21,129	20,574	1.1	2.7	-1.6	19,605	20,138	24,246	19,953	239,242	240,046	-0.3
Computers and related products.....	2,590	2,423	2,718	6.9	-10.9	-0.2	2,443	2,264	3,447	2,905	29,521	33,031	-10.6
Motor vehicle and parts.....	44,218	42,692	42,746	3.6	-0.1	-1.7	44,405	47,449	43,310	39,468	480,648	428,591	12.1
Capital goods.....	78,240	80,406	79,328	-2.7	1.4	24.2	72,004	77,539	84,252	78,401	861,753	862,167	0.0
Nondefense capital goods <sup>3</sup> .....	70,671	72,800	70,938	-2.9	2.6	22.8	65,906	71,737	74,796	72,594	776,252	761,940	1.9
Excluding aircraft.....	63,457	61,830	60,013	2.6	3.0	-0.5	59,215	62,489	62,971	59,193	692,280	691,742	0.1
Defense capital goods <sup>4</sup> .....	7,569	7,606	8,390	-0.5	-9.3	37.4	6,098	5,802	9,456	5,807	85,501	100,227	-14.7
Consumer goods.....	209,610	210,737	210,555	-0.5	0.1	0.7	207,229	217,918	210,416	201,436	2,272,186	2,175,434	4.4
Consumer durable goods.....	35,707	34,716	35,595	2.9	-2.5	-0.1	35,655	37,731	36,319	31,806	388,669	344,154	12.9
Consumer nondurable goods.....	173,903	176,021	174,960	-1.2	0.6	0.9	171,574	180,187	174,097	169,630	1,883,517	1,831,280	2.9
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	984,514	983,406	980,124	0.1	0.3	0.1	966,915	970,159	970,400	937,209	(X)	(X)	3.2
Construction materials and supplies.....	55,842	55,980	55,754	-0.2	0.4	0.2	54,270	55,159	55,541	54,041	(X)	(X)	0.4
Information technology.....	136,042	135,740	135,574	0.2	0.1	-0.4	133,857	135,073	135,291	127,915	(X)	(X)	4.6
Computers and related products.....	1,376	1,242	1,189	10.8	4.5	2.2	1,376	1,242	1,189	1,168	(X)	(X)	17.8
Motor vehicle and parts.....	16,100	16,024	16,124	0.5	-0.6	-1.9	15,804	15,447	15,591	16,318	(X)	(X)	-3.1
Capital goods.....	747,298	748,902	747,123	-0.2	0.2	0.1	735,079	740,631	740,933	707,465	(X)	(X)	3.9
Nondefense capital goods <sup>3</sup> .....	583,565	584,171	581,659	-0.1	0.4	0.1	575,693	578,540	576,644	542,622	(X)	(X)	6.1
Excluding aircraft.....	232,896	233,755	234,999	-0.4	-0.5	-1.2	229,285	231,751	232,573	231,191	(X)	(X)	-0.8
Defense capital goods <sup>4</sup> .....	163,733	164,731	165,464	-0.6	-0.4	-0.1	159,386	162,091	164,289	164,843	(X)	(X)	-3.3
Consumer goods.....	4,063	4,051	4,005	0.3	1.1	0.9	4,001	3,884	3,797	3,862	(X)	(X)	3.6
Consumer durable goods.....	4,063	4,051	4,005	0.3	1.1	0.9	4,001	3,884	3,797	3,862	(X)	(X)	3.6
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	615,181	615,204	615,453	0.0	0.0	0.6	614,702	618,373	614,642	599,792	(X)	(X)	2.5
Construction materials and supplies.....	59,509	59,321	59,174	0.3	0.2	0.2	58,765	58,936	59,092	57,999	(X)	(X)	1.3
Information technology.....	39,524	39,412	39,262	0.3	0.4	0.1	40,121	39,761	38,930	39,936	(X)	(X)	0.5
Computers and related products.....	3,835	3,878	3,806	-1.1	1.9	-3.4	4,000	3,975	3,759	4,325	(X)	(X)	-7.5
Motor vehicle and parts.....	25,597	25,560	25,290	0.1	1.1	0.5	25,909	25,868	25,231	24,682	(X)	(X)	5.0
Capital goods.....	195,214	194,342	193,808	0.4	0.3	0.1	196,486	194,782	192,435	183,273	(X)	(X)	7.2
Nondefense capital goods <sup>3</sup> .....	174,095	173,455	172,744	0.4	0.4	0.5	175,373	173,994	171,598	162,184	(X)	(X)	8.1
Excluding aircraft.....	121,817	121,682	121,484	0.1	0.2	0.0	123,282	122,286	120,558	117,175	(X)	(X)	5.2
Defense capital goods <sup>4</sup> .....	21,119	20,887	21,064	1.1	-0.8	-2.5	21,113	20,788	20,837	21,089	(X)	(X)	0.1
Consumer goods.....	181,143	182,197	183,412	-0.6	-0.7	1.6	182,133	186,075	184,677	181,218	(X)	(X)	0.5
Consumer durable goods.....	25,529	25,525	25,340	0.0	0.7	0.1	25,948	26,020	25,460	25,171	(X)	(X)	3.1
Consumer nondurable goods.....	155,614	156,672	158,072	-0.7	-0.9	1.8	156,185	160,055	159,217	156,047	(X)	(X)	0.1

X Not Applicable    <sup>p</sup> Preliminary    <sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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 change.

<sup>2</sup> Topical series are regroupings of the separate industry categories.

<sup>3</sup> Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machine vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressor material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigational 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.

<sup>4</sup> 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.

<sup>5</sup> Estimates and percent changes exclude semiconductor industry data.

<sup>6</sup> 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 Group<sup>1</sup>

[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. 12/11
	Nov. 2012 <sup>p</sup>	Oct. 2012 <sup>f</sup>	Sept. 2012	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2012 <sup>p</sup>	Oct. 2012 <sup>f</sup>	Sept. 2012	Nov. 2011	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	202,650	203,537	204,091	-0.4	-0.3	0.4	201,038	203,811	203,778	195,910	2.6
Durable goods industries.....	121,463	121,383	121,273	0.1	0.1	0.4	121,238	121,573	121,204	116,015	4.5
Wood products.....	3,421	3,530	3,585	-3.1	-1.5	-1.0	3,574	3,731	3,683	3,643	-1.9
Nonmetallic mineral products.....	4,650	4,590	4,624	1.3	-0.7	-1.4	4,621	4,558	4,612	4,532	2.0
Primary metals.....	13,218	13,187	12,929	0.2	2.0	0.7	13,217	13,328	13,019	13,268	-0.4
Fabricated metal products.....	16,829	16,900	16,928	-0.4	-0.2	0.7	16,598	16,798	16,977	16,478	0.7
Machinery.....	25,700	25,951	26,097	-1.0	-0.6	0.0	25,759	26,139	26,132	24,118	6.8
Computers and electronic products.....	17,928	17,778	17,725	0.8	0.3	1.5	17,994	17,844	17,582	16,581	8.5
Electrical equipment, appliances, and components.....	6,994	6,966	6,808	0.4	2.3	0.0	6,860	6,818	6,631	6,479	5.9
Transportation equipment.....	22,055	21,778	21,859	1.3	-0.4	0.7	21,982	21,673	21,876	20,315	8.2
Furniture and related products.....	2,944	2,970	2,959	-0.9	0.4	-0.1	2,933	2,946	2,955	2,862	2.5
Miscellaneous products.....	7,724	7,733	7,759	-0.1	-0.3	-0.8	7,700	7,738	7,737	7,739	-0.5
Nondurable goods industries.....	81,187	82,154	82,818	-1.2	-0.8	0.3	79,800	82,238	82,574	79,895	-0.1
Food products.....	15,417	15,556	15,511	-0.9	0.3	1.7	15,787	16,273	15,329	14,955	5.6
Beverage and tobacco products.....	4,978	4,904	4,910	1.5	-0.1	-0.7	4,978	4,907	4,738	4,622	7.7
Textiles.....	1,211	1,192	1,179	1.6	1.1	-0.7	1,183	1,171	1,179	1,235	-4.2
Textile products.....	1,506	1,498	1,480	0.5	1.2	-0.3	1,485	1,492	1,493	1,471	1.0
Apparel.....	853	831	805	2.6	3.2	5.5	827	840	826	654	26.5
Leather and allied products.....	266	266	269	0.0	-1.1	-0.7	262	268	277	255	2.7
Paper products.....	6,926	6,924	6,959	0.0	-0.5	-0.3	6,938	6,917	6,970	7,008	-1.0
Printing.....	2,501	2,449	2,432	2.1	0.7	-1.9	2,527	2,481	2,476	2,592	-2.5
Petroleum and coal products.....	16,394	17,280	18,148	-5.1	-4.8	1.6	15,288	17,114	18,255	15,685	-2.5
Chemical products.....	22,389	22,548	22,469	-0.7	0.4	-1.1	21,998	22,228	22,403	22,998	-4.3
Plastics and rubber products.....	8,746	8,706	8,656	0.5	0.6	0.7	8,527	8,547	8,628	8,420	1.3
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	190,578	190,067	190,714	0.3	-0.3	0.9	191,915	191,996	188,852	186,166	3.1
Durable goods industries.....	145,227	144,569	144,375	0.5	0.1	0.1	145,501	144,898	143,469	138,810	4.8
Wood products.....	1,554	1,540	1,548	0.9	-0.5	2.2	1,544	1,552	1,547	1,472	4.9
Nonmetallic mineral products.....	1,353	1,380	1,390	-2.0	-0.7	0.4	1,292	1,326	1,365	1,269	1.8
Primary metals.....	11,004	10,979	10,932	0.2	0.4	-0.3	10,803	10,797	10,898	11,249	-4.0
Fabricated metal products.....	13,718	13,608	13,472	0.8	1.0	-0.5	13,807	13,695	13,522	13,181	4.7
Machinery.....	16,726	16,602	16,546	0.7	0.3	-0.8	17,145	16,768	16,364	16,626	3.1
Computers and electronic products.....	15,420	15,557	15,984	-0.9	-2.7	0.6	15,496	15,673	15,787	17,249	-10.2
Electrical equipment, appliances, and components.....	3,619	3,656	3,667	-1.0	-0.3	2.3	3,609	3,640	3,579	3,537	2.0
Transportation equipment.....	77,414	76,858	76,429	0.7	0.6	0.3	77,372	77,019	75,984	69,964	10.6
Furniture and related products.....	1,057	1,036	1,036	2.0	0.0	1.4	1,053	1,028	1,035	998	5.5
Miscellaneous products.....	3,362	3,353	3,371	0.3	-0.5	-0.2	3,380	3,400	3,388	3,265	3.5
Nondurable goods industries.....	45,351	45,498	46,339	-0.3	-1.8	3.6	46,414	47,098	45,383	47,356	-2.0
Food products.....	4,032	4,043	4,020	-0.3	0.6	-3.5	5,058	5,092	5,092	4,789	5.6
Beverage and tobacco products.....	6,290	6,269	6,068	0.3	3.3	2.5	6,784	6,769	6,823	6,294	7.8
Textiles.....	779	773	776	0.8	-0.4	0.5	783	775	785	818	-4.3
Textile products.....	415	418	418	-0.7	0.0	1.0	412	417	422	440	-6.4
Apparel.....	380	388	393	-2.1	-1.3	1.0	364	389	408	348	4.6
Leather and allied products.....	113	113	115	0.0	-1.7	2.7	117	111	111	128	-8.6
Paper products.....	1,285	1,286	1,269	-0.1	1.3	1.7	1,271	1,272	1,269	1,351	-5.9
Printing.....	1,132	1,178	1,199	-3.9	-1.8	-3.5	1,142	1,291	1,245	1,279	-10.7
Petroleum and coal products.....	14,007	13,966	14,550	0.3	-4.0	9.6	13,595	13,873	14,304	14,216	-4.4
Chemical products.....	14,648	14,790	15,243	-1.0	-3.0	2.3	14,643	14,858	15,096	15,514	-5.6
Plastics and rubber products.....	2,270	2,274	2,288	-0.2	-0.6	-0.5	2,245	2,251	2,288	2,179	3.0
<b>FINISHED GOODS</b>											
All manufacturing industries.....	221,953	221,600	220,648	0.2	0.4	0.4	221,749	222,566	222,012	217,716	1.9
Durable goods industries.....	108,130	108,059	107,172	0.1	0.8	0.2	108,226	107,940	106,361	103,351	4.7
Wood products.....	4,148	4,013	3,925	3.4	2.2	2.3	4,048	3,901	3,874	3,753	7.9
Nonmetallic mineral products.....	5,643	5,673	5,628	-0.5	0.8	0.1	5,429	5,442	5,478	5,289	2.6
Primary metals.....	10,231	10,377	10,424	-1.4	-0.5	1.1	9,949	10,172	10,413	10,162	-2.1
Fabricated metal products.....	15,651	15,706	15,669	-0.4	0.2	0.4	15,356	15,518	15,473	15,604	-1.6
Machinery.....	24,191	24,304	24,347	-0.5	-0.2	0.5	24,222	23,873	23,873	21,918	10.5
Computers and electronic products.....	13,388	13,166	12,866	1.7	2.3	-2.1	13,708	13,366	12,845	12,372	10.8
Electrical equipment, appliances, and components.....	5,092	5,109	5,079	-0.3	0.6	0.7	5,076	5,200	5,038	4,952	2.5
Transportation equipment.....	14,885	14,895	14,407	-0.1	3.4	1.1	15,236	15,316	14,385	13,866	9.9
Furniture and related products.....	2,220	2,201	2,178	0.9	1.1	0.1	2,262	2,217	2,195	2,175	4.0
Miscellaneous products.....	12,681	12,615	12,649	0.5	-0.3	-0.6	12,940	12,935	12,787	13,260	-2.4
Nondurable goods industries.....	113,823	113,541	113,476	0.2	0.1	0.7	113,523	114,626	115,651	114,365	-0.7
Food products.....	26,501	26,307	25,960	0.7	1.3	0.9	27,045	27,542	27,155	26,694	1.3
Beverage and tobacco products.....	7,782	7,802	7,750	-0.3	0.7	2.0	7,614	8,000	7,979	7,231	5.3
Textiles.....	1,383	1,412	1,422	-2.1	-0.7	-0.1	1,373	1,417	1,410	1,447	-5.1
Textile products.....	1,275	1,256	1,255	1.5	0.1	0.9	1,254	1,248	1,260	1,294	-3.1
Apparel.....	1,233	1,200	1,187	2.8	1.1	-0.7	1,190	1,244	1,314	1,162	2.4
Leather and allied products.....	484	473	469	2.3	0.9	1.3	489	470	475	421	16.2
Paper products.....	5,733	5,771	5,786	-0.7	-0.3	-2.0	5,697	5,732	5,788	5,888	-3.2
Printing.....	1,633	1,635	1,634	-0.1	0.1	-0.1	1,642	1,651	1,632	1,563	5.1
Petroleum and coal products.....	22,662	22,957	22,891	-1.3	0.3	1.6	22,643	22,813	23,543	22,432	0.9
Chemical products.....	34,464	34,100	34,560	1.1	-1.3	0.1	34,142	33,914	34,570	35,921	-5.0
Plastics and rubber products.....	10,673	10,628	10,562	0.4	0.6	0.9	10,434	10,595	10,525	10,312	1.2

<sup>p</sup> Preliminary<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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 Group<sup>3</sup>**

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>1</sup>			
	Nov 2012 <sup>P</sup>	Oct 2012 <sup>F</sup>	Sep 2012	Aug 2012	Nov 2012 <sup>P</sup>	Oct 2012 <sup>F</sup>	Sep 2012	Aug 2012
	All manufacturing industries <sup>2</sup> .....	1.27	1.28	1.28	1.28	(X)	(X)	(X)
Durable goods industries <sup>2</sup> .....	1.65	1.67	1.67	1.67	6.14	6.23	6.24	6.28
Wood products.....	1.47	1.44	1.46	1.44	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.44	1.43	1.43	1.44	(X)	(X)	(X)	(X)
Primary metals.....	1.18	1.23	1.21	1.22	1.09	1.14	1.11	1.13
Fabricated metal products.....	1.69	1.69	1.69	1.69	3.15	3.15	3.16	3.16
Machinery.....	1.98	2.05	2.08	2.06	4.00	4.15	4.24	4.28
Computers and electronic products <sup>2</sup> .....	1.70	1.66	1.66	1.69	7.53	7.54	7.46	7.67
Electrical equipment, appliances, and components.....	1.58	1.60	1.59	1.56	2.36	2.35	2.36	2.38
Transportation equipment.....	1.74	1.77	1.75	1.76	14.28	14.39	14.47	14.66
Furniture and related products.....	1.14	1.14	1.14	1.15	1.36	1.37	1.38	1.37
Miscellaneous products.....	1.72	1.74	1.72	1.74	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.94	0.93	0.94	0.94	(X)	(X)	(X)	(X)
Food products.....	0.74	0.75	0.75	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.50	1.51	1.52	1.43	(X)	(X)	(X)	(X)
Textiles.....	1.35	1.36	1.37	1.37	(X)	(X)	(X)	(X)
Textile products.....	1.61	1.60	1.61	1.58	(X)	(X)	(X)	(X)
Apparel.....	1.91	1.82	1.87	1.80	(X)	(X)	(X)	(X)
Leather and allied products.....	1.94	1.86	1.95	1.92	(X)	(X)	(X)	(X)
Paper products.....	1.00	1.00	1.01	1.02	(X)	(X)	(X)	(X)
Printing.....	0.79	0.78	0.79	0.80	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.71	0.70	0.72	0.72	(X)	(X)	(X)	(X)
Chemical products.....	1.14	1.14	1.16	1.16	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.23	1.23	1.24	1.24	(X)	(X)	(X)	(X)

X Not Applicable    <sup>P</sup> Preliminary    <sup>F</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> Unfilled orders to shipments ratio excludes semiconductor manufacturing.

**Table 8. Revisions to Previously Published Monthly Percent Changes<sup>3</sup>**

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Nov <sup>1</sup> 2012	Nov <sup>2</sup> 2011- Oct 2012	Nov <sup>1</sup> 2012	Nov <sup>2</sup> 2011- Oct 2012	Nov <sup>1</sup> 2012	Nov <sup>2</sup> 2011- Oct 2012	Nov <sup>1</sup> 2012	Nov <sup>2</sup> 2011- Oct 2012
	All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)
Durable goods industries.....	0.1	0.2	0.1	0.4	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Nonmetallic mineral products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.1	0.8	0.1	1.2	0.0	0.5	-0.1	0.5
Fabricated metal products.....	-0.3	0.4	0.0	0.7	0.0	0.3	0.1	0.2
Machinery.....	0.1	0.8	-0.3	1.2	-0.1	0.2	-0.1	0.2
Computers and electronic products.....	0.2	0.7	0.4	1.2	0.0	0.2	0.0	0.2
Electrical equipment, appliances, and components.....	-0.1	0.4	-0.2	0.7	0.0	0.4	0.1	0.3
Transportation equipment.....	0.0	0.4	0.1	1.5	0.0	0.2	0.0	0.2
Furniture and related products.....	(X)	0.4	(X)	0.6	(X)	0.5	(X)	0.3
Miscellaneous products.....	(X)	0.6	(X)	0.6	(X)	0.5	(X)	0.4
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.8
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.4
Chemical products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable    NA Not Available

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

<sup>2</sup> 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.

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



## Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,300 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 65 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 4,300 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 4,300 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication.

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

### 2013 Release Dates for the M3 Survey

Survey month	Advance Report (8:30 a.m. release time)	Full Report (10:00 a.m. release time)
October 2012	November 27, 2012	December 5, 2012
November 2012	December 21, 2012	January 4, 2013
December 2012	January 28, 2013	February 4, 2013
January 2013	February 27, 2013	March 6, 2013
February 2013	March 26, 2013	April 2, 2013
March 2013	April 24, 2013	May 3, 2013
April 2013	May 24, 2013	June 5, 2013
May 2013	June 25, 2013	July 2, 2013
June 2013	July 25, 2013	August 2, 2013
July 2013	August 26, 2013	September 5, 2013
August 2013	September 25, 2013	October 3, 2013
September 2013	October 25, 2013	November 4, 2013
October 2013	November 27, 2013	December 5, 2013
November 2013	December 24, 2013	Not available at this time