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## Full Report on Manufacturers' Shipments, Inventories and Orders October 2013

### Summary

New orders for manufactured goods in October, down three of the last four months, decreased \$4.4 billion or 0.9 percent to \$486.9 billion, the U.S. Census Bureau reported today. This followed a 1.8 percent September increase. Excluding transportation, new orders increased slightly.

Shipments, up five of the last six months, increased \$0.3 billion or 0.1 percent to \$489.3 billion. This followed a 0.1 percent September increase.

Unfilled orders, up eight of the last nine months, increased \$4.1 billion or 0.4 percent to \$1,046.2 billion. This was at the highest level since the series was first published on a NAICS basis in 1992, and followed a 0.9 percent September increase. The unfilled orders-to-shipments ratio was 6.39, up from 6.38 in September.

Inventories, up ten of the last eleven months, increased \$0.4 billion or 0.1 percent to \$633.5 billion. This was at the highest level since the series was first published on a NAICS basis and followed a 0.3 percent September increase. The inventories-to-shipments ratio was unchanged at 1.29.

### New Orders

New orders for manufactured durable goods in October, down following two consecutive monthly increases, decreased \$3.8 billion or 1.6 percent to \$231.4 billion, revised from the previously published 2.0 percent decrease. This followed a 4.2 percent September increase.

Transportation equipment, also down following two consecutive monthly increases, drove the decrease, down \$4.4 billion or 5.7 percent to \$73.2 billion.

New orders for manufactured nondurable goods decreased \$0.6 billion or 0.2 percent to \$255.6 billion.

### Shipments

Shipments of manufactured durable goods in October, up three consecutive months, increased \$0.9 billion or 0.4 percent to \$233.7 billion, revised from the previously published 0.2 percent increase. This was at the highest level since the series was first published on a NAICS basis and followed a 0.5 percent September increase.

Transportation equipment, also up three consecutive

months, led the increase, up \$0.8 billion or 1.1 percent to \$70.9 billion.

Shipments of manufactured nondurable goods, down four of the last five months, decreased \$0.6 billion or 0.2 percent to \$255.6 billion. This followed a 0.3 percent September decrease. Petroleum and coal products, down three consecutive months, drove the decrease, down \$1.0 billion or 1.4 percent to \$70.9 billion.

### Unfilled Orders

Unfilled orders for manufactured durable goods in October, up eight of the last nine months, increased \$4.1 billion or 0.4 percent to \$1,046.2 billion, revised from the previously published 0.3 percent increase. This was at the highest level since the series was first published on a NAICS basis and followed a 0.9 percent September increase.

Transportation equipment, up two consecutive months, led the increase, up \$2.3 billion or 0.4 percent to \$644.6 billion.

### Inventories

Inventories of manufactured durable goods in October, up six of the last seven months, increased \$1.0 billion or 0.3 percent to \$383.3 billion, unchanged from the previously published increase. This was at the highest level since the series was first published on a NAICS basis and followed a 0.8 percent September increase.

Transportation equipment, up seventeen of the last eighteen months, drove the increase, up \$1.1 billion or 0.9 percent to \$120.1 billion.

Inventories of manufactured nondurable goods, down two consecutive months, decreased \$0.6 billion or 0.2 percent to \$250.1 billion. This followed a 0.6 percent September decrease. Chemical products, down six consecutive months, led the decrease, down \$0.5 billion or 0.6 percent to \$81.2 billion.

By stage of fabrication, October materials and supplies decreased 0.2 percent in durable goods and slightly increased in nondurable goods. Work in process increased 0.7 percent in durable goods and decreased 2.0 percent in nondurable goods. Finished goods increased 0.1 percent in durable goods and 0.4 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 [www.census.gov/m3](http://www.census.gov/m3). The Advance Report on durable goods for November is scheduled for release on December 24, 2013, at 8:30 a.m. EST and the Full Report on January 6, 2014, at 10:00 a.m. EST. See back page for survey description. 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. Discover the U.S. Census Bureau's economic statistics through the Economic Indicator Webinar Series. Each of the 13 economic indicators in this webinar series will provide an in-depth description of how the critical economic indicator data are collected and how you can access and use these statistics. Sessions include construction, housing, international trade, retail trade and more.

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.]

Table with 15 columns: Industry, Seasonally Adjusted (Monthly, Percent Change), and Not Seasonally Adjusted (Monthly, Year to date). Rows include various industry categories like All manufacturing industries, Durable goods industries, Wood products, Nonmetallic mineral products, etc.

<sup>0</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		
	Oct. 2013 <sup>p</sup>	Sept. 2013 <sup>f</sup>	Aug. 2013	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2013 <sup>p</sup>	Sept. 2013 <sup>f</sup>	Aug. 2013	Oct. 2012	2013 <sup>p</sup>	2012	% Change 2013/2012
All manufacturing industries <sup>2</sup> .....	486,948	491,343	482,672	-0.9	1.8	-0.1	496,564	501,728	488,949	487,249	4,847,375	4,735,690	2.4
Excluding transportation <sup>2</sup> .....	413,707	413,687	414,011	0.0	-0.1	-0.4	422,489	418,820	422,820	419,197	4,147,088	4,087,748	1.5
Excluding defense <sup>2</sup> .....	476,041	478,705	471,879	-0.6	1.4	0.1	487,690	486,940	480,246	477,368	4,743,896	4,615,806	2.8
With unfilled orders <sup>2</sup> .....	167,885	172,403	163,256	-2.6	5.6	0.3	165,833	179,036	157,869	161,138	1,653,690	1,599,100	3.4
Durable goods industries <sup>2</sup> .....	231,362	235,179	225,686	-1.6	4.2	0.5	233,423	244,277	222,754	221,124	2,275,619	2,170,706	4.8
Primary metals.....	26,623	26,358	25,525	1.0	3.3	0.1	27,075	25,320	25,721	25,215	258,997	250,317	3.5
Iron and steel mills.....	11,195	11,106	10,652	0.8	4.3	0.7	10,925	10,249	10,449	11,070	108,376	115,257	-6.0
Aluminum and nonferrous metals.....	13,741	13,587	13,240	1.1	2.6	0.3	14,453	13,474	13,591	12,420	133,538	117,224	13.9
Ferrous metal foundries.....	1,687	1,665	1,633	1.3	2.0	-5.1	1,697	1,597	1,681	1,725	17,083	17,836	-4.2
Fabricated metal products.....	29,082	29,442	30,267	-1.2	-2.7	0.5	28,505	29,344	30,798	29,263	300,690	293,596	2.4
Machinery.....	34,596	34,340	34,940	0.7	-1.7	0.7	34,898	34,490	33,863	33,096	348,189	325,005	7.1
Construction machinery.....	4,433	4,579	4,736	-3.2	-3.3	12.4	5,042	4,414	4,507	5,260	46,451	39,438	17.8
Mining, oil field, and gas field machinery.....	2,792	2,170	2,714	28.7	-20.0	21.5	2,956	2,210	2,521	2,363	24,134	21,887	10.3
Industrial machinery.....	4,060	4,072	3,972	-0.3	2.5	1.7	4,016	4,338	3,689	3,338	37,753	32,533	16.0
Photographic equipment.....	720	861	726	-16.4	18.6	-11.6	662	961	735	712	7,458	7,351	1.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,777	3,879	3,689	-2.6	5.2	4.3	3,422	4,015	3,758	3,378	37,105	35,898	3.4
Metalworking machinery.....	3,212	3,131	3,089	2.6	1.4	-2.6	3,473	3,181	3,118	3,052	30,215	27,101	11.5
Turbines, generators, and other power transmission equipment.....	3,464	3,907	4,191	-11.3	-6.8	-2.5	3,416	3,849	4,087	3,546	40,516	38,656	4.8
Material handling equipment.....	2,881	2,557	2,653	12.7	-3.6	-6.7	2,746	2,664	2,729	2,483	28,345	26,462	7.1
Computers and electronic products <sup>2</sup> .....	21,625	21,499	20,470	0.6	5.0	-4.6	20,691	25,250	18,824	19,946	209,808	216,593	-3.1
Computers.....	485	507	456	-4.3	11.2	0.2	453	635	414	731	5,201	7,318	-28.9
Nondefense communications equipment.....	3,824	3,832	3,630	-0.2	5.6	-4.3	3,800	4,746	3,458	3,583	39,331	35,925	9.5
Defense communications equipment.....	338	381	384	-11.3	-0.8	-4.2	286	509	334	459	3,676	4,346	-15.4
Electronic components.....	3,624	3,304	3,249	9.7	1.7	-13.0	3,650	3,318	3,442	3,509	34,770	35,582	-2.3
Nondefense search and navigation equipment.....	1,692	1,592	1,685	6.3	-5.5	1.2	1,730	1,749	1,577	1,710	16,342	17,185	-4.9
Defense search and navigation equipment.....	2,790	3,014	2,317	-7.4	30.1	-23.7	2,618	3,324	1,984	2,570	25,520	29,141	-12.4
Electromedical, measuring, and control instruments.....	6,419	6,277	6,274	2.3	0.0	1.2	5,988	7,416	5,439	5,367	62,260	65,159	-4.4
Electrical equipment, appliances, and components.....	10,414	10,101	10,135	3.1	-0.3	-0.4	10,640	10,064	10,364	10,439	104,071	103,456	0.6
Electric lighting equipment.....	816	825	796	-1.1	3.6	-1.7	819	889	828	845	8,172	9,049	-9.7
Household appliances.....	1,703	1,667	1,681	2.2	-0.8	-0.2	1,767	1,710	1,736	1,667	16,679	15,521	7.5
Electrical equipment.....	3,552	3,433	3,436	3.5	-0.1	1.9	3,452	3,416	3,450	3,214	34,318	34,563	-0.7
Transportation equipment.....	73,241	77,656	68,661	-5.7	13.1	1.8	74,075	82,908	66,129	68,052	700,287	647,942	8.1
Motor vehicle bodies, parts, and trailers.....	19,893	19,814	19,929	0.4	-0.6	4.2	21,542	19,901	21,054	20,077	196,022	184,759	6.1
Nondefense aircraft and parts.....	16,040	19,070	11,980	-15.9	59.2	5.4	13,647	21,259	8,449	13,114	143,232	118,952	20.4
Defense aircraft and parts.....	4,107	5,078	4,456	-19.1	14.0	-12.0	3,990	6,281	3,268	5,251	39,001	48,588	-19.7
Ships and boats.....	1,960	2,342	1,942	-16.3	20.6	-0.8	1,516	2,415	1,636	1,453	19,009	22,270	-14.6
Furniture and related products.....	5,554	5,597	5,704	-0.8	-1.9	0.2	5,550	5,733	5,691	5,457	56,527	54,769	3.2
Nondurable goods industries.....	255,586	256,164	256,986	-0.2	-0.3	-0.6	263,141	257,451	266,195	266,125	2,571,756	2,564,984	0.3

<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.

<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				% Change Oct. 2013/ 2012
	Monthly			Percent Change			Monthly				
	Oct. 2013 <sup>p</sup>	Sept. 2013 <sup>r</sup>	Aug. 2013	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2013 <sup>p</sup>	Sept. 2013 <sup>r</sup>	Aug. 2013	Oct. 2012	
All manufacturing industries <sup>2</sup> .....	1,046,192	1,042,079	1,032,915	0.4	0.9	0.1	1,031,274	1,031,800	1,022,797	968,535	6.5
Excluding transportation <sup>2</sup> .....	401,595	399,780	398,092	0.5	0.4	0.5	394,666	394,708	395,284	375,585	5.1
Excluding defense <sup>2</sup> .....	848,348	843,142	834,214	0.6	1.1	0.3	837,180	834,953	826,937	769,640	8.8
Durable goods industries <sup>2</sup> .....	1,046,192	1,042,079	1,032,915	0.4	0.9	0.1	1,031,274	1,031,800	1,022,797	968,535	6.5
Primary metals.....	36,397	35,970	35,524	1.2	1.3	-0.2	34,749	34,343	34,801	32,029	8.5
Iron and steel mills.....	18,160	17,988	17,644	1.0	1.9	-0.6	16,864	16,963	17,168	15,274	10.4
Aluminum and nonferrous metals.....	14,179	13,902	13,746	2.0	1.1	0.4	13,946	13,423	13,500	12,562	11.0
Ferrous metal foundries.....	4,058	4,080	4,134	-0.5	-1.3	-0.7	3,939	3,957	4,133	4,193	-6.1
Fabricated metal products.....	90,728	90,688	90,148	0.0	0.6	1.5	86,848	89,124	89,628	78,020	11.3
Machinery.....	108,101	107,751	107,381	0.3	0.3	1.1	107,365	106,783	106,791	107,329	0.0
Construction machinery.....	10,716	10,738	10,380	-0.2	3.4	5.8	10,257	10,094	9,908	12,664	-19.0
Mining, oil field, and gas field machinery.....	14,780	14,217	14,284	4.0	-0.5	3.8	14,918	14,216	14,295	12,244	21.8
Industrial machinery.....	8,050	7,956	7,822	1.2	1.7	-2.1	8,033	7,854	7,947	8,059	-0.3
Photographic equipment.....	4,074	4,056	3,895	0.4	4.1	1.6	4,122	4,208	3,999	3,474	18.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,289	5,225	5,035	1.2	3.8	1.8	5,232	5,206	5,019	5,398	-3.1
Metalworking machinery.....	5,994	5,949	5,969	0.8	-0.3	-1.0	5,950	5,814	5,867	6,143	-3.1
Turbines, generators, and other power transmission equipment.....	26,800	26,984	26,971	-0.7	0.0	1.4	26,539	26,851	26,795	25,593	3.7
Material handling equipment.....	10,193	10,328	10,730	-1.3	-3.7	-2.3	9,938	10,363	10,666	10,070	-1.3
Computers and electronic products <sup>2</sup> .....	136,546	135,779	135,391	0.6	0.3	-0.3	136,285	135,409	134,488	129,645	5.1
Computers.....	3,356	3,332	3,345	0.7	-0.4	-2.3	3,356	3,332	3,345	2,989	12.3
Nondefense communications equipment.....	30,207	29,962	29,702	0.8	0.9	0.1	30,627	30,039	29,462	25,479	20.2
Defense communications equipment.....	3,890	4,003	4,062	-2.8	-1.5	-1.1	3,831	4,027	3,997	4,297	-10.8
Electronic components.....	12,846	12,723	12,824	1.0	-0.8	-1.3	12,830	12,676	12,913	12,443	3.1
Nondefense search and navigation equipment.....	17,548	17,192	16,912	2.1	1.7	2.1	17,612	17,191	16,937	13,967	26.1
Defense search and navigation equipment.....	42,908	42,952	42,840	-0.1	0.3	-1.1	42,365	42,580	42,482	45,249	-6.4
Electromedical, measuring, and control instruments.....	25,791	25,615	25,706	0.7	-0.4	0.0	25,664	25,564	25,352	25,221	1.8
Electrical equipment, appliances, and components.....	22,608	22,304	22,265	1.4	0.2	0.0	22,250	21,860	22,318	21,149	5.2
Electric lighting equipment.....	1,182	1,189	1,191	-0.6	-0.2	-1.4	1,216	1,229	1,197	1,215	0.1
Household appliances.....	768	747	743	2.8	0.5	-1.7	743	714	713	637	16.6
Electrical equipment.....	11,622	11,472	11,385	1.3	0.8	0.8	11,393	11,196	11,451	10,678	6.7
Transportation equipment.....	644,597	642,299	634,823	0.4	1.2	-0.2	636,608	637,092	627,513	592,950	7.4
Motor vehicle bodies, parts, and trailers.....	16,533	16,648	16,802	-0.7	-0.9	0.5	15,892	16,159	16,347	16,155	-1.6
Nondefense aircraft and parts.....	469,714	465,950	458,869	0.8	1.5	0.1	465,121	462,928	454,478	415,935	11.8
Defense aircraft and parts.....	66,490	67,124	66,883	-0.9	0.4	-0.6	65,172	65,649	64,866	67,534	-3.5
Ships and boats.....	19,938	20,377	20,441	-2.2	-0.3	-2.4	19,247	20,149	20,193	20,720	-7.1
Furniture and related products.....	6,079	6,211	6,300	-2.1	-1.4	0.8	6,033	6,112	6,175	6,362	-5.2

<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				% Change Oct. 2013/ 2012
	Monthly			Percent Change			Monthly				
	Oct. 2013 <sup>2</sup>	Sept. 2013 <sup>2</sup>	Aug. 2013	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2013 <sup>2</sup>	Sept. 2013 <sup>2</sup>	Aug. 2013	Oct. 2012	
All manufacturing industries.....	633,453	633,037	631,323	0.1	0.3	0.2	636,732	632,639	635,043	625,649	1.8
Excluding transportation.....	513,362	514,034	514,108	-0.1	0.0	0.2	515,767	513,804	516,487	514,430	0.3
Excluding defense.....	605,418	605,032	604,077	0.1	0.2	0.4	608,772	604,822	607,912	599,508	1.5
With unfilled orders.....	314,152	313,195	310,499	0.3	0.9	0.1	314,897	312,012	313,575	304,803	3.3
Durable goods industries.....	383,307	382,308	379,164	0.3	0.8	0.1	384,501	381,124	382,723	374,715	2.6
Wood products.....	9,916	9,855	9,896	0.6	-0.4	-0.3	9,968	9,863	9,847	9,054	10.1
Nonmetallic mineral products.....	11,705	11,694	11,680	0.1	0.1	1.0	11,419	11,539	11,676	11,148	2.4
Primary metals.....	35,130	35,297	34,985	-0.5	0.9	0.2	34,887	35,274	35,068	36,259	-3.8
Iron and steel mills.....	20,228	20,233	20,147	0.0	0.4	0.2	20,060	20,236	20,142	21,183	-5.3
Aluminum and nonferrous metals.....	12,672	12,840	12,596	-1.3	1.9	0.2	12,596	12,853	12,684	12,751	-1.2
Ferrous metal foundries.....	2,230	2,224	2,242	0.3	-0.8	-0.3	2,231	2,185	2,242	2,325	-4.0
Fabricated metal products.....	47,756	47,652	47,445	0.2	0.4	0.3	47,529	47,529	47,644	47,169	0.8
Machinery.....	66,362	66,309	65,906	0.1	0.6	0.1	66,366	65,868	66,507	67,217	-1.3
Farm machinery.....	3,757	3,875	3,911	-3.0	-0.9	1.3	3,378	3,617	3,712	3,552	-4.9
Construction machinery.....	5,441	5,345	5,284	1.8	1.2	-1.0	5,445	5,326	5,237	6,163	-11.7
Mining, oil field, and gas field machinery.....	7,341	7,309	7,230	0.4	1.1	1.1	7,246	7,286	7,331	7,203	0.6
Industrial machinery.....	6,376	6,339	6,257	0.6	1.3	-0.7	6,414	6,365	6,321	6,209	3.3
Photographic equipment.....	1,619	1,623	1,648	-0.2	-1.5	2.4	1,649	1,626	1,689	1,617	2.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,876	4,868	4,835	0.2	0.7	0.2	4,790	4,738	4,897	4,420	8.4
Metalworking machinery.....	5,479	5,466	5,532	0.2	-1.2	0.2	5,585	5,600	5,629	5,502	1.5
Turbines, generators, and other power transmission equipment.....	10,216	10,393	10,301	-1.7	0.9	-1.0	10,581	10,382	10,739	11,690	-9.5
Material handling equipment.....	4,589	4,583	4,521	0.1	1.4	0.3	4,676	4,683	4,637	4,616	1.3
Computers and electronic products <sup>2</sup> .....	46,604	46,865	46,377	-0.6	1.1	-0.6	47,232	46,769	47,289	46,589	1.4
Computers.....	892	928	947	-3.9	-2.0	-6.4	909	972	1,002	892	1.9
Computer storage devices.....	1,952	1,916	1,938	1.9	-1.1	-0.5	2,073	1,867	2,061	1,898	9.2
Other peripheral equipment.....	1,601	1,605	1,610	-0.2	-0.3	-0.9	1,636	1,560	1,685	1,778	-8.0
Nondefense communications equipment.....	6,085	6,263	6,172	-2.8	1.5	1.0	6,169	6,201	6,255	6,439	-4.2
Defense communications equipment.....	1,334	1,302	1,258	2.5	3.5	1.1	1,334	1,302	1,258	1,352	-1.3
Audio and video equipment.....	691	676	657	2.2	2.9	-0.5	787	769	721	730	7.8
Electronic components.....	8,168	8,220	8,073	-0.6	1.8	3.4	8,237	8,149	8,089	7,628	8.0
Nondefense search and navigation equipment.....	3,647	3,626	3,607	0.6	0.5	0.2	3,705	3,614	3,650	3,560	4.1
Defense search and navigation equipment.....	2,970	2,973	2,826	-0.1	5.2	-11.8	2,934	2,909	2,841	2,822	4.0
Electromedical, measuring and control instruments.....	12,333	12,287	12,355	0.4	-0.6	-0.2	12,413	12,114	12,663	11,593	7.1
Electrical equipment, appliances, and components.....	16,718	16,738	16,831	-0.1	-0.6	-0.5	16,694	16,423	16,932	16,662	0.2
Electric lighting equipment.....	2,108	2,091	2,108	0.8	-0.8	2.5	2,077	2,079	2,128	1,870	11.1
Household appliances.....	1,832	1,832	1,785	0.0	2.6	0.5	1,868	1,850	1,833	1,840	1.5
Electrical equipment.....	4,808	4,796	4,924	0.3	-2.6	0.3	4,814	4,494	4,930	4,971	-3.2
Batteries.....	1,219	1,177	1,162	3.6	1.3	-0.2	1,223	1,171	1,209	1,132	8.0
Transportation equipment.....	120,091	119,003	117,215	0.9	1.5	0.3	120,965	118,835	118,556	111,219	8.8
Automobiles.....	2,671	2,749	2,591	-2.8	6.1	4.6	2,799	2,813	2,566	3,015	-7.2
Light trucks and utility vehicles.....	2,430	2,401	2,329	1.2	3.1	0.4	2,676	2,507	2,441	2,741	-2.4
Heavy duty trucks.....	1,771	1,761	1,731	0.6	1.7	-1.1	1,829	1,748	1,742	2,439	-25.0
Motor vehicle bodies, parts, and trailers.....	18,654	18,552	18,557	0.5	0.0	0.7	18,753	18,503	18,701	18,191	3.1
Nondefense aircraft and parts.....	66,067	65,164	64,213	1.4	1.5	1.6	66,377	64,983	65,204	57,768	14.9
Defense aircraft and parts.....	13,359	13,450	13,439	-0.7	0.1	-3.8	13,431	13,504	13,498	12,846	4.6
Ships and boats.....	2,435	2,402	2,378	1.4	1.0	-1.1	2,461	2,372	2,355	2,525	-2.5
Furniture and related products.....	5,966	5,982	6,010	-0.3	-0.5	0.1	5,961	5,974	6,117	6,072	-1.8
Miscellaneous durable goods.....	23,059	22,913	22,819	0.6	0.4	0.2	23,480	23,050	23,087	23,326	0.7
Non-durable goods industries.....	250,146	250,729	252,159	-0.2	-0.6	0.4	252,231	251,515	252,320	250,934	0.5
Food products.....	47,056	47,332	47,531	-0.6	-0.4	-0.3	50,126	48,072	47,667	51,496	-2.7
Grain and oilseed milling.....	5,098	5,086	5,167	0.2	-1.6	-2.6	5,508	4,916	4,957	6,867	-19.8
Dairy products.....	5,974	6,044	6,065	-1.2	-0.3	-1.3	5,948	6,055	6,214	6,139	-3.1
Meat, poultry, and seafood products.....	9,098	9,110	9,164	-0.1	-0.6	0.5	9,422	9,236	9,227	9,301	1.3
Beverage and tobacco products.....	20,513	20,431	20,359	0.4	0.4	1.0	21,326	20,348	19,671	20,266	5.2
Beverages.....	16,426	16,306	16,233	0.7	0.4	0.9	17,154	16,289	15,760	16,288	5.3
Tobacco.....	4,087	4,125	4,126	-0.9	0.0	1.6	4,172	4,059	3,911	3,978	4.9
Textile mills.....	3,337	3,330	3,337	0.2	-0.2	-0.1	3,335	3,338	3,363	3,276	1.8
Textile products.....	3,115	3,095	3,074	0.6	0.7	0.7	3,100	3,091	3,072	2,967	4.5
Apparel.....	2,253	2,213	2,192	1.8	1.0	0.8	2,322	2,348	2,326	2,051	13.2
Leather and allied products.....	1,060	1,064	1,057	-0.4	0.7	-0.4	1,052	1,083	1,083	1,027	2.4
Paper products.....	14,313	14,405	14,498	-0.6	-0.6	0.0	14,200	14,390	14,556	14,317	-0.8
Pulp, paper, and paperboard mills.....	6,042	6,075	6,139	-0.5	-1.0	0.0	5,937	6,036	6,162	6,076	-2.3
Paperboard containers.....	4,163	4,172	4,170	-0.2	0.0	0.1	4,134	4,153	4,164	4,077	1.4
Printing.....	5,530	5,534	5,553	-0.1	-0.3	0.7	5,708	5,598	5,714	5,692	0.3
Petroleum and coal products.....	49,271	49,243	49,943	0.1	-1.4	1.9	48,754	49,789	50,072	50,173	-2.8
Petroleum refineries.....	45,650	45,633	46,361	0.0	-1.6	2.3	45,140	46,175	46,426	46,293	-2.5
Chemical products.....	81,212	81,690	82,269	-0.6	-0.7	-0.1	80,103	81,187	82,498	77,987	2.7
Pesticides, fertilizers, and other agricultural chemicals.....	4,257	4,202	4,211	1.3	-0.2	-1.6	3,987	3,885	3,916	3,640	9.5
Pharmaceuticals and medicines.....	31,320	31,385	31,581	-0.2	-0.6	-0.7	30,926	31,157	31,712	30,302	2.1
Paints, coatings, and adhesives.....	3,310	3,259	3,230	1.6	0.9	-0.6	3,158	3,167	3,244	3,007	5.0
Plastics and rubber products.....	22,486	22,392	22,346	0.4	0.2	0.4	22,205	22,271	22,298	21,682	2.4

<sup>1</sup> Preliminary <sup>2</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> Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable aggregate totals, but are not shown separately.

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

**Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series<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						% Change <sup>6</sup>
	Monthly			Percent Change			Monthly			Year to date			
	Oct. 2013 <sup>p</sup>	Sept. 2013 <sup>r</sup>	Aug. 2013	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2013 <sup>p</sup>	Sept. 2013 <sup>r</sup>	Aug. 2013	Oct. 2012	2013 <sup>p</sup>	2012	
<b>SHIPMENTS</b>													
All manufacturing industries.....	489,296	489,018	488,582	0.1	0.1	0.2	505,321	499,417	504,328	497,120	4,876,764	4,796,523	1.7
Construction materials and supplies.....	43,641	43,428	43,159	0.5	0.6	-0.1	46,667	45,059	46,957	44,422	438,725	423,281	3.6
Information technology.....	21,347	21,696	21,475	-1.6	1.0	2.2	20,407	24,785	20,596	20,821	211,270	216,867	-2.6
Computers and related products.....	2,208	2,458	2,332	-10.2	5.4	15.6	1,772	3,509	2,008	2,017	22,119	23,899	-7.4
Motor vehicle and parts.....	46,871	46,068	45,829	1.7	0.5	1.8	51,639	46,932	48,604	44,883	454,615	413,116	10.0
Capital goods.....	84,017	84,153	84,114	-0.2	0.0	1.5	82,640	89,365	83,484	81,163	827,347	810,276	2.1
Nondefense capital goods <sup>3</sup> .....	74,252	74,184	73,834	0.1	0.5	0.4	73,204	78,348	73,265	71,712	730,313	714,061	2.3
Excluding aircraft.....	65,668	65,735	65,818	-0.1	-0.1	1.4	65,169	69,442	65,374	64,440	654,668	645,563	1.4
Defense capital goods <sup>4</sup> .....	9,765	9,969	10,280	-2.0	-3.0	9.9	9,436	11,017	10,219	9,451	97,034	96,215	0.9
Consumer goods.....	211,340	211,686	212,152	-0.2	-0.2	-0.4	220,487	213,850	219,830	217,384	2,108,074	2,064,712	2.1
Consumer durable goods.....	38,009	37,245	36,871	2.1	1.0	0.7	40,998	38,426	38,353	34,923	366,389	329,449	11.2
Consumer nondurable goods.....	173,331	174,441	175,281	-0.6	-0.5	-0.6	179,489	175,424	181,477	182,461	1,741,685	1,735,263	0.4
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	486,948	491,343	482,672	-0.9	1.8	-0.1	496,564	501,728	488,949	487,249	4,847,375	4,735,690	2.4
Construction materials and supplies.....	43,787	43,611	43,499	0.4	0.3	0.1	46,324	45,184	46,624	44,195	440,170	424,444	3.7
Information technology.....	22,149	22,296	21,234	-0.7	5.0	-3.0	21,220	25,916	19,488	20,709	218,001	223,178	-2.3
Computers and related products.....	2,232	2,445	2,253	-8.7	8.5	10.7	1,796	3,496	1,929	2,144	22,248	24,145	-7.9
Motor vehicle and parts.....	46,756	45,914	45,911	1.8	0.0	2.1	51,372	46,744	48,586	44,739	453,722	411,394	10.3
Capital goods.....	87,086	91,500	84,536	-4.8	8.2	-0.4	81,038	98,027	77,183	81,160	863,751	828,614	4.2
Nondefense capital goods <sup>3</sup> .....	78,392	81,178	75,867	-3.4	7.0	-0.1	74,781	86,102	70,106	74,287	780,779	732,924	6.5
Excluding aircraft.....	66,745	67,169	67,959	-0.6	-1.2	1.0	65,478	69,841	64,697	64,319	674,972	647,906	4.2
Defense capital goods <sup>4</sup> .....	8,694	10,322	8,669	-15.8	19.1	-3.3	6,257	11,925	7,077	6,873	82,972	95,690	-13.3
Consumer goods.....	211,401	211,698	212,208	-0.1	-0.2	-0.4	220,571	213,882	219,697	217,518	2,108,365	2,064,837	2.1
Consumer durable goods.....	38,070	37,257	36,927	2.2	0.9	0.9	41,082	38,458	38,220	35,057	366,680	329,574	11.3
Consumer nondurable goods.....	173,331	174,441	175,281	-0.6	-0.5	-0.6	179,489	175,424	181,477	182,461	1,741,685	1,735,263	0.4
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	1,046,192	1,042,079	1,032,915	0.4	0.9	0.1	1,031,274	1,031,800	1,022,797	968,535	(X)	(X)	6.5
Construction materials and supplies.....	51,594	51,448	51,265	0.3	0.4	0.7	51,113	51,456	51,331	50,509	(X)	(X)	1.2
Information technology.....	136,810	136,008	135,408	0.6	0.4	-0.2	136,475	135,662	134,531	129,295	(X)	(X)	5.6
Computers and related products.....	3,356	3,332	3,345	0.7	-0.4	-2.3	3,356	3,332	3,345	2,989	(X)	(X)	12.3
Motor vehicle and parts.....	16,533	16,648	16,802	-0.7	-0.9	0.5	15,892	16,159	16,347	16,155	(X)	(X)	-1.6
Capital goods.....	788,328	785,259	777,912	0.4	0.9	0.1	777,618	779,220	770,558	724,281	(X)	(X)	7.4
Nondefense capital goods <sup>3</sup> .....	621,321	617,181	610,187	0.7	1.1	0.3	613,737	612,160	604,406	556,349	(X)	(X)	10.3
Excluding aircraft.....	231,723	230,646	229,212	0.5	0.6	0.9	228,143	227,834	227,435	212,398	(X)	(X)	7.4
Defense capital goods <sup>4</sup> .....	167,007	168,078	167,725	-0.6	0.2	-1.0	163,881	167,060	166,152	167,932	(X)	(X)	-2.4
Consumer goods.....	4,494	4,433	4,421	1.4	0.3	1.3	4,364	4,280	4,248	4,126	(X)	(X)	5.8
Consumer durable goods.....	4,494	4,433	4,421	1.4	0.3	1.3	4,364	4,280	4,248	4,126	(X)	(X)	5.8
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	633,453	633,037	631,323	0.1	0.3	0.2	636,732	632,639	635,043	625,649	(X)	(X)	1.8
Construction materials and supplies.....	61,976	61,738	61,600	0.4	0.2	0.3	61,476	61,508	61,837	59,707	(X)	(X)	3.0
Information technology.....	40,093	40,250	40,071	-0.4	0.4	-1.3	40,540	39,971	40,863	39,748	(X)	(X)	2.0
Computers and related products.....	4,445	4,449	4,495	-0.1	-1.0	-1.9	4,618	4,399	4,748	4,568	(X)	(X)	1.1
Motor vehicle and parts.....	25,526	25,463	25,208	0.2	1.0	1.0	26,057	25,571	25,450	26,386	(X)	(X)	-1.2
Capital goods.....	197,029	196,203	194,178	0.4	1.0	-0.2	197,937	195,190	196,628	189,459	(X)	(X)	4.5
Nondefense capital goods <sup>3</sup> .....	174,047	173,191	172,042	0.5	0.7	0.4	175,102	172,420	174,666	168,553	(X)	(X)	3.9
Excluding aircraft.....	119,665	119,715	119,335	0.0	0.3	-0.2	120,552	118,984	120,992	121,900	(X)	(X)	-1.1
Defense capital goods <sup>4</sup> .....	22,982	23,012	22,136	-0.1	4.0	-4.3	22,835	22,770	21,962	20,906	(X)	(X)	9.2
Consumer goods.....	187,870	188,097	188,824	-0.1	-0.4	0.5	191,498	189,493	189,032	192,518	(X)	(X)	-0.5
Consumer durable goods.....	25,026	24,994	24,659	0.1	1.4	0.8	25,684	25,257	24,961	26,039	(X)	(X)	-1.4
Consumer nondurable goods.....	162,844	163,103	164,165	-0.2	-0.6	0.5	165,814	164,236	164,071	166,479	(X)	(X)	-0.4

X Not Applicable    <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 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				% Change Oct. 2013/ 2012
	Oct. 2013 <sup>p</sup>	Sept. 2013 <sup>f</sup>	Aug. 2013	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2013 <sup>p</sup>	Sept. 2013 <sup>f</sup>	Aug. 2013	Oct. 2012	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	203,548	203,816	204,122	-0.1	-0.1	1.0	203,902	203,976	204,805	205,533	-0.8
Durable goods industries.....	124,286	124,568	124,496	-0.2	0.1	0.8	124,657	124,955	125,381	124,356	0.2
Wood products.....	3,782	3,767	3,810	0.4	-1.1	-0.6	3,930	3,877	3,844	3,559	10.4
Nonmetallic mineral products.....	4,313	4,333	4,411	-0.5	-1.8	1.1	4,289	4,318	4,430	4,240	1.2
Primary metals.....	13,866	14,114	14,127	-1.8	-0.1	0.1	14,041	14,271	14,145	14,648	-4.1
Fabricated metal products.....	17,336	17,340	17,231	0.0	0.6	0.5	17,302	17,457	17,321	17,557	-1.5
Machinery.....	24,492	24,353	24,252	0.6	0.4	-0.6	24,646	24,496	24,644	25,561	-3.6
Computers and electronic products.....	18,007	18,205	18,303	-1.1	-0.5	-0.5	18,124	18,109	18,322	18,033	0.5
Electrical equipment, appliances, and components.....	6,995	7,047	7,177	-0.7	-1.8	-1.1	6,851	6,872	7,215	7,024	-2.5
Transportation equipment.....	25,620	25,527	25,211	0.4	1.3	5.0	25,580	25,672	25,416	23,260	10.0
Furniture and related products.....	2,785	2,799	2,816	-0.5	-0.6	0.0	2,774	2,803	2,831	2,901	-4.4
Miscellaneous products.....	7,090	7,083	7,158	0.1	-1.0	-0.5	7,120	7,080	7,213	7,573	-6.0
Nondurable goods industries.....	79,262	79,248	79,626	0.0	-0.5	1.4	79,245	79,021	79,424	81,177	-2.4
Food products.....	16,488	16,164	16,198	2.0	-0.2	-0.8	17,413	16,102	15,954	19,097	-8.8
Beverage and tobacco products.....	5,348	5,379	5,351	-0.6	0.5	1.4	5,351	5,264	5,139	5,076	5.4
Textiles.....	1,223	1,219	1,215	0.3	0.3	1.4	1,207	1,219	1,227	1,124	7.4
Textile products.....	1,237	1,226	1,221	0.9	0.4	1.8	1,231	1,228	1,221	1,165	5.7
Apparel.....	753	740	726	1.8	1.9	0.7	759	752	735	653	16.2
Leather and allied products.....	305	305	309	0.0	-1.3	-3.1	310	316	318	320	-3.1
Paper products.....	6,728	6,764	6,780	-0.5	-0.2	-0.2	6,721	6,767	6,788	6,881	-2.3
Printing.....	2,470	2,453	2,487	0.7	-1.4	0.3	2,502	2,461	2,516	2,566	-2.5
Petroleum and coal products.....	12,712	12,791	13,148	-0.6	-2.7	7.1	12,280	12,778	13,230	12,917	-4.9
Chemical products.....	23,147	23,275	23,353	-0.5	-0.3	0.5	22,783	23,207	23,397	22,646	0.6
Plastics and rubber products.....	8,851	8,932	8,838	-0.9	1.1	1.8	8,688	8,927	8,899	8,732	-0.5
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	203,441	203,349	201,363	0.0	1.0	-0.3	205,422	201,166	201,734	195,981	4.8
Durable goods industries.....	153,659	152,533	150,474	0.7	1.4	-0.4	154,111	151,521	152,122	145,083	6.2
Wood products.....	1,780	1,765	1,777	0.8	-0.7	-0.2	1,784	1,765	1,776	1,663	7.3
Nonmetallic mineral products.....	1,362	1,343	1,338	1.4	0.4	1.4	1,319	1,328	1,355	1,300	1.5
Primary metals.....	10,812	10,598	10,369	2.0	2.2	0.1	10,636	10,470	10,549	10,885	-2.3
Fabricated metal products.....	13,497	13,568	13,514	-0.5	0.4	0.1	13,548	13,579	13,626	13,262	2.2
Machinery.....	19,255	19,204	19,163	0.3	0.2	1.2	19,452	19,001	19,359	19,144	1.6
Computers and electronic products.....	16,148	16,018	15,654	0.8	2.3	-0.9	16,352	15,937	16,049	16,203	0.9
Electrical equipment, appliances, and components.....	3,749	3,742	3,747	0.2	-0.1	-0.5	3,726	3,668	3,775	3,694	0.9
Transportation equipment.....	82,282	81,378	80,320	1.1	1.3	-1.1	82,470	80,811	80,988	74,435	10.8
Furniture and related products.....	976	979	977	-0.3	0.2	-0.7	972	980	983	957	1.6
Miscellaneous products.....	3,798	3,938	3,615	-3.6	8.9	2.3	3,852	3,982	3,662	3,540	8.8
Nondurable goods industries.....	49,782	50,816	50,889	-2.0	-0.1	0.0	51,311	49,645	49,612	50,898	0.8
Food products.....	4,004	4,833	4,708	-17.2	2.7	1.4	4,975	4,306	4,139	5,447	-8.7
Beverage and tobacco products.....	7,060	7,017	6,926	0.6	1.3	1.3	7,653	6,816	6,177	7,176	6.6
Textiles.....	731	726	725	0.7	0.1	-2.7	736	735	739	765	-3.8
Textile products.....	422	427	424	-1.2	0.7	-0.9	423	429	422	424	-0.2
Apparel.....	321	309	311	3.9	-0.6	-1.3	331	325	339	345	-4.1
Leather and allied products.....	105	104	102	1.0	2.0	-2.9	104	102	100	97	7.2
Paper products.....	1,406	1,402	1,421	0.3	-1.3	-0.3	1,392	1,400	1,438	1,321	5.4
Printing.....	1,256	1,268	1,247	-0.9	1.7	1.2	1,378	1,319	1,354	1,408	-2.1
Petroleum and coal products.....	14,485	14,606	14,752	-0.8	-1.0	2.2	14,450	14,419	14,726	14,242	1.5
Chemical products.....	17,328	17,488	17,635	-0.9	-0.8	-2.5	17,238	17,152	17,524	17,138	0.6
Plastics and rubber products.....	2,664	2,636	2,638	1.1	-0.1	-0.2	2,631	2,642	2,654	2,535	3.8
<b>FINISHED GOODS</b>											
All manufacturing industries.....	226,464	225,872	225,838	0.3	0.0	0.0	227,408	227,497	228,504	224,135	1.5
Durable goods industries.....	105,362	105,207	104,194	0.1	1.0	0.0	105,733	104,648	105,220	105,276	0.4
Wood products.....	4,354	4,323	4,309	0.7	0.3	0.0	4,254	4,221	4,227	3,832	11.0
Nonmetallic mineral products.....	6,030	6,018	5,931	0.2	1.5	0.7	5,811	5,893	5,891	5,608	3.6
Primary metals.....	10,452	10,585	10,489	-1.3	0.9	0.2	10,210	10,533	10,374	10,726	-4.8
Fabricated metal products.....	16,923	16,744	16,700	1.1	0.3	0.1	16,679	16,493	16,697	16,350	2.0
Machinery.....	22,615	22,752	22,491	-0.6	1.2	-0.1	22,268	22,371	22,504	22,512	-1.1
Computers and electronic products.....	12,449	12,642	12,420	-1.5	1.8	-0.2	12,756	12,723	12,918	12,353	3.3
Electrical equipment, appliances, and components.....	5,974	5,949	5,907	0.4	0.7	0.1	6,117	5,883	5,942	5,944	2.9
Transportation equipment.....	12,189	12,098	11,684	0.8	3.5	-0.1	12,915	12,352	12,152	13,524	-4.5
Furniture and related products.....	2,205	2,204	2,217	0.0	-0.6	0.5	2,215	2,191	2,303	2,214	0.0
Miscellaneous products.....	12,171	11,892	12,046	2.3	-1.3	0.1	12,508	11,988	12,212	12,213	2.4
Nondurable goods industries.....	121,102	120,665	121,644	0.4	-0.8	0.0	121,675	122,849	123,284	118,859	2.4
Food products.....	26,564	26,335	26,625	0.9	-1.1	-0.3	27,738	27,664	27,574	26,952	2.9
Beverage and tobacco products.....	8,105	8,035	8,082	0.9	-0.6	0.6	8,322	8,268	8,355	8,014	3.8
Textiles.....	1,383	1,385	1,397	-0.1	-0.9	0.1	1,392	1,384	1,397	1,387	0.4
Textile products.....	1,456	1,442	1,429	1.0	0.9	0.3	1,446	1,434	1,429	1,378	4.9
Apparel.....	1,179	1,164	1,155	1.3	0.8	1.4	1,232	1,271	1,252	1,053	17.0
Leather and allied products.....	650	655	646	-0.8	1.4	1.4	638	665	665	610	4.6
Paper products.....	6,179	6,239	6,297	-1.0	-0.9	0.3	6,087	6,223	6,330	6,115	-0.5
Printing.....	1,804	1,813	1,819	-0.5	-0.3	0.7	1,828	1,818	1,844	1,718	6.4
Petroleum and coal products.....	22,074	21,846	22,043	1.0	-0.9	-1.2	22,024	22,592	22,116	23,014	-4.3
Chemical products.....	40,737	40,927	41,281	-0.5	-0.9	0.6	40,082	40,828	41,577	38,203	4.9
Plastics and rubber products.....	10,971	10,824	10,870	1.4	-0.4	-0.6	10,886	10,702	10,745	10,415	4.5

<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>1</sup>**

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>2</sup>			
	Oct 2013 <sup>a</sup>	Sep 2013 <sup>b</sup>	Aug 2013	Jul 2013	Oct 2013 <sup>a</sup>	Sep 2013 <sup>b</sup>	Aug 2013	Jul 2013
	All manufacturing industries <sup>3</sup> .....	1.29	1.29	1.29	1.29	(X)	(X)	(X)
Durable goods industries <sup>3</sup> .....	1.64	1.64	1.64	1.65	6.39	6.38	6.36	6.42
Wood products.....	1.33	1.33	1.36	1.38	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.34	1.34	1.35	1.36	(X)	(X)	(X)	(X)
Primary metals.....	1.34	1.36	1.37	1.37	1.39	1.39	1.39	1.40
Fabricated metal products.....	1.64	1.65	1.64	1.63	3.22	3.24	3.22	3.16
Machinery.....	1.94	1.95	1.95	1.96	3.39	3.39	3.41	3.42
Computers and electronic products <sup>3</sup> .....	1.71	1.68	1.67	1.71	7.42	7.33	7.36	7.46
Electrical equipment, appliances, and components.....	1.65	1.66	1.66	1.64	2.46	2.44	2.42	2.38
Transportation equipment.....	1.69	1.70	1.68	1.70	14.62	14.57	14.48	14.83
Furniture and related products.....	1.05	1.05	1.06	1.07	1.28	1.30	1.33	1.33
Miscellaneous products.....	1.65	1.63	1.62	1.65	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.98	0.98	0.98	0.97	(X)	(X)	(X)	(X)
Food products.....	0.76	0.76	0.77	0.76	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.66	1.66	1.68	1.64	(X)	(X)	(X)	(X)
Textiles.....	1.23	1.24	1.26	1.26	(X)	(X)	(X)	(X)
Textile products.....	1.46	1.47	1.49	1.47	(X)	(X)	(X)	(X)
Apparel.....	1.97	1.94	1.96	1.95	(X)	(X)	(X)	(X)
Leather and allied products.....	2.20	2.29	2.25	2.23	(X)	(X)	(X)	(X)
Paper products.....	1.00	1.00	1.01	1.01	(X)	(X)	(X)	(X)
Printing.....	0.88	0.88	0.87	0.86	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.69	0.68	0.68	0.66	(X)	(X)	(X)	(X)
Chemical products.....	1.27	1.28	1.30	1.29	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.19	1.19	1.20	1.21	(X)	(X)	(X)	(X)

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

<sup>2</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>3</sup> Unfilled orders to shipments ratio excludes semiconductor manufacturing.

**Table 8. Revisions to Previously Published Monthly Percent Changes<sup>1</sup>**

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Oct <sup>2</sup> 2013	Oct <sup>3</sup> 2012- Sep 2013	Oct <sup>2</sup> 2013	Oct <sup>3</sup> 2012- Sep 2013	Oct <sup>2</sup> 2013	Oct <sup>3</sup> 2012- Sep 2013	Oct <sup>2</sup> 2013	Oct <sup>3</sup> 2012- Sep 2013
	All manufacturing industries.....	(X)	0.2	(X)	0.4	(X)	0.1	(X)
Durable goods industries.....	0.2	0.3	0.4	0.6	0.1	0.1	0.0	0.1
Wood products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Primary metals.....	0.6	0.6	0.5	1.8	-0.1	1.0	-0.4	0.3
Fabricated metal products.....	0.1	0.2	0.3	0.9	0.0	0.3	-0.1	0.2
Machinery.....	0.0	0.4	1.0	0.8	0.4	0.3	0.0	0.1
Computers and electronic products.....	0.3	0.7	0.3	1.1	0.0	0.2	-0.1	0.2
Electrical equipment, appliances, and components.....	0.2	0.4	0.3	1.1	0.1	0.5	-0.4	0.7
Transportation equipment.....	0.0	0.3	0.2	1.4	0.1	0.1	0.0	0.2
Furniture and related products.....	(X)	0.3	(X)	0.4	(X)	0.3	(X)	0.3
Miscellaneous products.....	(X)	0.5	(X)	0.5	(X)	0.4	(X)	0.2
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Beverage and tobacco products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Textile products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.8
Leather and allied products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.7
Paper products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	1.3	(X)	(NA)	(X)	(NA)	(X)	0.7
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3

X Not Applicable    NA Not Available

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

<sup>3</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.

## 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>.

### 2014 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 2013	November 27, 2013	December 5, 2013
November 2013	December 24, 2013	January 6, 2014
December 2013	January 28, 2014	February 4, 2014
January 2014	February 27, 2014	March 6, 2014
February 2014	March 26, 2014	April 2, 2014
March 2014	April 24, 2014	May 2, 2014
April 2014	May 27, 2014	June 3, 2014
May 2014	June 25, 2014	July 2, 2014
June 2014	July 25, 2014	August 5, 2014
July 2014	August 26, 2014	September 3, 2014
August 2014	September 25, 2014	October 2, 2014
September 2014	October 28, 2014	November 4, 2014
October 2014	November 26, 2014	December 5, 2014
November 2014	December 23, 2014	Not available at this time