

U.S. Census Bureau News

U.S. Department of Commerce • Washington, D.C. 20233

FOR IMMEDIATE RELEASE
THURSDAY, DECEMBER 3, 2015, AT 10:00 A.M. EST

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M3-2 (15)-10
CB 15-195

Full Report on Manufacturers' Shipments, Inventories and Orders October 2015

Summary

New orders for manufactured goods in October, up following two consecutive monthly decreases, increased \$6.8 billion or 1.5 percent to \$473.9 billion, the U.S. Census Bureau reported today. This followed a 0.8 percent September decrease.

Shipments, down six of the last seven months, decreased \$2.5 billion or 0.5 percent to \$475.2 billion. This followed a 0.3 percent September decrease.

Unfilled orders, up following two consecutive monthly decreases, increased \$3.4 billion or 0.3 percent to \$1,191.8 billion. This followed a 0.5 percent September decrease. The unfilled orders-to-shipments ratio was 6.94, up from 6.86 in September.

Inventories, down four consecutive months, decreased \$0.6 billion or 0.1 percent to \$643.6 billion. This followed a 0.5 percent September decrease. The inventories-to-shipments ratio was 1.35, unchanged from September.

New Orders

New orders for manufactured durable goods in October, up following two consecutive monthly decreases, increased \$6.8 billion or 2.9 percent to \$238.8 billion, down from the previously published 3.0 percent increase. This followed a 0.8 percent September decrease.

Transportation equipment, also up following two consecutive monthly decreases, led the increase, \$6.0 billion or 7.9 percent to \$82.0 billion.

New orders for manufactured nondurable goods increased less than \$0.1 billion or virtually unchanged to \$235.1 billion.

Shipments

Shipments of manufactured durable goods in October, down two of the last three months, decreased \$2.5 billion or 1.0 percent to \$240.1 billion, unchanged from the previously published 1.0 percent decrease. This followed a 0.3 percent September increase.

Transportation equipment, also down two of the last three months, led the decrease, \$2.0 billion or 2.5 percent to \$78.7 billion.

Shipments of manufactured nondurable goods, up following three consecutive monthly decreases, increased less than \$0.1 billion or virtually unchanged to \$235.1 billion. This followed a 0.9 percent September decrease. Paper products, up following two consecutive monthly decreases, drove the increase, \$0.2 billion or 1.2 percent to \$16.2 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in October, up following two consecutive monthly decreases, increased \$3.4 billion or 0.3 percent to \$1,191.8 billion, unchanged from the previously published 0.3 percent increase. This followed a 0.5 percent September decrease.

Transportation equipment, also up following two consecutive monthly decreases, led the increase, \$3.3 billion or 0.4 percent to \$798.2 billion.

Inventories

Inventories of manufactured durable goods in October, down five of the last six months, decreased \$1.0 billion or 0.3 percent to \$397.0 billion, down from the previously published 0.2 percent decrease. This followed a 0.6 percent September decrease.

Primary metals, down nine consecutive months, led the decrease, \$0.3 billion or 0.9 percent to \$35.7 billion.

Inventories of manufactured nondurable goods, up following three consecutive monthly decreases, increased \$0.4 billion or 0.2 percent to \$246.5 billion. This followed a 0.4 percent September decrease. Petroleum and coal products, also up following three consecutive monthly decreases, drove the increase, \$0.5 billion or 1.4 percent to \$34.1 billion.

By stage of fabrication, October materials and supplies were virtually unchanged in both durable goods and nondurable goods. Work in process decreased 1.0 percent in durable goods and increased 0.6 percent in nondurable goods. Finished goods increased 0.5 percent in durable goods and increased 0.2 percent in nondurable goods.

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to www.census.gov/m3. The Advance Report on durable goods for November is scheduled for release on December 23, 2015 at 8:30 a.m. EST and the Full Report on January 6, 2016 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. To learn more about this release and the other indicators the U.S. Census Bureau publishes, join us for the Investigating Economic Indicators Webinar Series. For more information, visit www.census.gov/econ/webinar.

“Virtually unchanged” indicates that the change is less than 0.05 percent for a percent increase or decrease.

Table 1. Value of Manufacturers' Shipments for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly			Year to date		% Change 2015/ 2014	
	Oct. 2015 ²	Sep. 2015 ¹	Aug. 2015	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2015 ²	Sep. 2015 ¹	Aug. 2015	Oct. 2014	2015 ²		2014
All manufacturing industries.....	475,173	477,659	479,066	-0.5	-0.3	-0.9	486,595	497,893	489,290	517,305	4,822,221	5,039,467	-4.3
Excluding transportation.....	396,479	396,916	398,571	-0.1	-0.4	-1.0	405,189	411,050	408,209	437,959	4,040,356	4,314,233	-6.3
Excluding defense.....	461,983	464,722	466,675	-0.6	-0.4	-0.8	473,678	483,604	477,092	505,546	4,701,167	4,922,254	-4.5
With unfilled orders.....	171,776	173,217	173,321	-0.8	-0.1	-0.3	173,570	184,064	175,287	177,182	1,725,345	1,690,146	2.1
Durable goods industries.....	240,079	242,610	241,985	-1.0	0.3	-0.5	246,197	257,240	245,702	250,415	2,411,609	2,371,268	1.7
Wood products.....	8,164	8,123	7,990	0.5	1.7	-1.2	8,680	8,455	8,511	8,793	82,051	82,881	-1.0
Nonmetallic mineral products.....	9,707	9,786	9,718	-0.8	0.7	-0.8	10,709	10,624	10,630	11,142	98,797	98,575	0.2
Primary metals.....	20,114	20,208	20,346	-0.5	-0.7	-1.8	20,529	20,619	20,890	24,778	214,749	236,175	-9.1
Iron and steel mills.....	9,141	9,296	9,461	-1.7	-1.7	-2.1	9,357	9,478	9,726	12,364	99,635	118,249	-15.7
Aluminum and nonferrous metals.....	9,372	9,286	9,227	0.9	0.6	-2.3	9,564	9,375	9,477	10,690	98,625	101,195	-2.5
Ferrous metal foundries.....	1,601	1,626	1,658	-1.5	-1.9	3.1	1,608	1,766	1,687	1,724	16,489	16,731	-1.4
Fabricated metal products.....	29,456	29,484	29,640	-0.1	-0.5	-0.6	30,757	31,034	30,997	32,236	302,059	303,783	-0.6
Machinery.....	33,056	33,496	33,411	-1.3	0.3	-0.7	33,312	34,290	32,852	34,491	334,435	342,100	-2.2
Farm machinery.....	1,547	1,603	1,708	-3.5	-6.1	0.5	1,453	1,489	1,583	1,524	16,994	29,518	-42.4
Construction machinery.....	3,220	3,266	3,487	-1.4	-6.3	-4.4	3,520	3,048	3,173	4,120	35,518	28,792	23.4
Mining, oil field, and gas field machinery.....	1,545	1,549	1,579	-0.3	-1.9	-6.7	1,535	1,621	1,579	2,542	17,902	27,539	-35.0
Industrial machinery.....	3,144	3,165	2,928	-0.7	8.1	-1.1	3,262	3,507	2,774	3,048	28,488	29,292	-2.7
Photographic equipment.....	541	504	523	7.3	-3.6	-2.8	579	571	518	644	5,250	5,771	-9.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,974	3,972	3,937	0.1	0.9	-0.7	3,723	4,169	4,103	3,723	40,010	39,529	1.2
Metalworking machinery.....	3,250	3,181	3,208	2.2	-0.8	-0.8	3,474	3,398	3,224	2,945	29,696	25,840	14.9
Turbines, generators, and other power transmission equipment.....	3,702	4,179	4,047	-11.4	3.3	4.0	3,714	4,138	4,086	3,979	40,798	38,838	5.0
Material handling equipment.....	2,691	2,714	2,703	-0.8	0.4	0.4	2,835	2,822	2,793	2,666	25,840	24,328	6.2
Computers and electronic products ²	29,750	29,790	29,536	-0.1	0.9	1.2	29,320	32,822	29,621	28,371	288,926	281,136	2.8
Computers.....	649	651	670	-0.3	-2.8	-5.6	586	718	643	528	6,556	6,925	-5.3
Computer storage devices.....	477	484	465	-1.4	4.1	-2.9	344	727	368	360	4,492	5,709	-21.3
Other peripheral equipment.....	906	830	880	9.2	-5.7	-7.6	760	1,002	731	777	9,065	9,134	-0.8
Nondefense communications equipment.....	3,242	3,390	3,285	-4.4	3.2	-2.8	2,965	4,086	3,225	2,917	33,033	32,073	3.0
Defense communications equipment.....	345	314	345	9.9	-9.0	10.2	373	350	334	390	3,395	3,782	-10.2
Audio and video equipment.....	289	279	256	3.6	9.0	3.6	341	279	245	312	2,368	2,991	-20.8
Electronic components.....	4,907	4,808	4,798	2.1	0.2	-1.3	4,790	5,143	5,123	3,723	46,481	37,199	25.0
Nondefense search and navigation equipment.....	1,433	1,416	1,394	1.2	1.6	2.7	1,345	1,649	1,404	1,225	13,373	12,234	9.3
Defense search and navigation equipment.....	2,707	2,674	2,752	1.2	-2.8	-1.5	2,687	2,914	2,808	2,655	26,317	25,678	2.5
Electromedical, measuring, and control instruments.....	9,914	9,865	9,690	0.5	1.8	2.7	9,326	11,243	9,227	8,491	93,061	87,091	6.9
Electrical equipment, appliances, and components.....	10,142	10,175	10,167	-0.3	0.1	-2.0	10,292	10,786	10,378	10,765	103,433	105,179	-1.7
Electric lighting equipment.....	1,005	1,009	989	-0.4	2.0	-1.5	1,064	1,061	1,025	1,022	9,650	9,743	-1.0
Household appliances.....	1,582	1,564	1,589	1.2	-1.6	-1.9	1,636	1,650	1,589	1,825	16,214	17,397	-6.8
Electrical equipment.....	3,084	3,112	3,113	-0.9	0.0	-3.2	2,973	3,381	3,156	3,260	32,014	33,365	-4.0
Batteries.....	871	822	820	6.0	0.2	-2.4	990	902	827	1,034	8,325	8,861	-6.0
Transportation equipment.....	78,694	80,743	80,495	-2.5	0.3	-0.4	81,406	86,843	81,081	79,346	781,865	725,234	7.8
Automobiles.....	8,121	8,679	8,791	-6.4	-1.3	-1.6	9,048	9,265	8,936	10,302	88,295	84,897	4.0
Light trucks and utility vehicles.....	14,159	14,744	14,148	-4.0	4.2	-3.7	15,302	15,873	14,679	13,254	135,963	122,664	10.8
Heavy duty trucks.....	3,126	3,059	3,070	2.2	-0.4	-4.2	3,315	3,198	3,102	3,270	31,395	27,081	15.9
Motor vehicle bodies, parts, and trailers.....	26,266	26,669	26,747	-1.5	-0.3	-0.4	28,124	27,386	27,546	26,552	262,388	238,443	10.0
Nondefense aircraft and parts.....	13,696	14,376	15,324	-4.7	-6.2	10.1	12,402	16,460	14,634	12,741	139,058	122,979	13.1
Defense aircraft and parts.....	5,480	5,388	5,067	1.7	6.3	-4.0	5,298	6,096	4,892	4,549	48,087	46,324	3.8
Ships and boats.....	2,798	2,979	2,752	-6.1	8.2	-3.2	2,857	3,059	2,691	2,902	27,896	28,577	-2.4
Furniture and related products.....	6,500	6,471	6,420	0.4	0.8	-0.8	6,489	6,691	6,905	6,143	63,810	59,802	6.7
Miscellaneous durable goods.....	14,496	14,334	14,262	1.1	0.5	0.0	14,703	15,076	13,837	14,350	141,484	136,403	3.7
Nondurable goods industries.....	235,094	235,049	237,081	0.0	-0.9	-1.3	240,398	240,653	243,588	266,890	2,410,612	2,668,199	-9.7
Food products.....	66,199	66,145	66,161	0.1	0.0	0.2	69,890	67,793	66,696	71,474	659,020	667,667	-1.3
Grain and oilseed milling.....	8,137	8,142	8,299	-0.1	-1.9	-1.0	9,006	8,277	8,490	9,273	81,570	82,540	-1.2
Dairy products.....	9,979	9,910	9,919	0.7	-0.1	0.2	10,416	10,121	10,113	11,556	99,584	108,375	-8.1
Meat, poultry, and seafood products.....	18,656	18,770	18,859	-0.6	-0.5	-0.6	19,227	19,026	19,018	20,692	191,218	198,547	-3.7
Beverage and tobacco products.....	13,050	12,912	12,665	1.1	2.0	1.8	13,101	13,289	13,048	12,639	125,980	123,688	1.9
Beverages.....	9,070	9,108	9,005	-0.4	1.1	0.6	9,121	9,485	9,388	9,004	89,966	90,292	-0.4
Tobacco.....	3,980	3,804	3,660	4.6	3.9	4.8	3,980	3,804	3,660	3,635	36,014	33,396	7.8
Textile mills.....	2,591	2,577	2,562	0.5	0.6	0.1	2,692	2,647	2,681	2,682	26,124	26,674	-2.1
Textile products.....	1,936	1,958	1,951	-1.1	0.4	0.8	1,985	1,968	2,058	1,926	19,585	19,181	2.1
Apparel.....	1,158	1,159	1,167	-0.1	-0.7	1.1	1,385	1,223	1,277	1,391	11,367	10,851	4.8
Leather and allied products.....	462	454	447	1.8	1.6	-3.5	487	456	438	498	4,631	4,611	0.4
Paper products.....	16,232	16,039	16,063	1.2	-0.1	-0.1	16,706	16,362	16,531	17,282	162,055	163,234	-0.7
Pulp, paper, and paperboard mills.....	7,216	7,063	7,079	2.2	-0.2	-0.2	7,306	7,185	7,346	7,107	71,602	70,603	1.4
Paperboard containers.....	5,219	5,227	5,224	-0.2	0.1	0.5	5,472	5,360	5,402	6,239	52,801	55,227	-4.4
Printing.....	7,253	7,202	7,208	0.7	-0.1	-1.9	7,729	7,530	7,237	7,525	71,887	69,576	3.3
Petroleum and coal products.....	43,077	43,043	45,458	0.1	-5.3	-6.3	43,697	44,256	49,354	66,056	491,270	722,260	-32.0
Petroleum refineries.....	39,436	39,470	41,838	-0.1	-5.7	-6.7	39,674	40,142	45,028	61,544	453,324	680,231	-33.4
Chemical products.....	64,192	64,555	64,303	-0.6	0.4	-0.1	63,145	65,772	64,618	64,763	644,487	661,740	-2.6
Pesticides, fertilizers, and other agricultural chemicals.....	4,957	5,096	5,050	-2.7	0.9	2.2	3,679	4,473	4,080	3,143	49,486	42,592	16.2
Pharmaceuticals and medicines.....	16,931	17,011	16,677	-0.5	2.0	0.9	16,969	17,820	16,817	14,467	159,002	146,399	8.6
Paints, coatings, and adhesives.....	3,397	3,423	3,374	-0.8	1.5	2.4	3,455	3,529	3,529	3,385	34,231	33,446	2.3
Plastics and rubber products.....	18,944	19,005	19,096	-0.3	-0.5	-1.0	19,581	19,357	19,650	20,654	194,206	198,717	-2.3

² Preliminary¹ Revised data due to late receipts and concurrent seasonal adjustment.

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

² Estimates and percent changes of shipments for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals.

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Oct. 2015 ^P	Sep. 2015 ^F	Aug. 2015	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2015 ^P	Sep. 2015 ^F	Aug. 2015	Oct. 2014	2015 ^P	2014	% Change 2015/2014
All manufacturing industries ²	473,873	467,064	471,041	1.5	-0.8	-2.1	480,481	487,375	472,263	509,549	4,738,108	5,098,110	-7.1
Excluding transportation ²	391,854	391,083	393,320	0.2	-0.6	-1.1	398,062	404,388	399,370	431,408	3,987,341	4,289,453	-7.0
Excluding defense ²	460,866	453,989	459,648	1.5	-1.2	-1.7	468,059	472,229	464,051	497,465	4,627,142	4,978,040	-7.0
With unfilled orders ²	175,131	167,472	170,048	4.6	-1.5	-3.4	172,992	178,007	163,493	176,222	1,689,726	1,805,266	-6.4
Durable goods industries ²	238,779	232,015	233,960	2.9	-0.8	-2.9	240,083	246,722	228,675	242,659	2,327,496	2,429,911	-4.2
Primary metals.....	19,822	19,709	20,286	0.6	-2.8	-1.1	19,952	19,433	20,149	24,387	211,778	237,429	-10.8
Iron and steel mills.....	9,044	8,903	9,512	1.6	-6.4	0.4	8,877	8,520	9,341	11,764	97,941	118,435	-17.3
Aluminum and nonferrous metals.....	9,261	9,170	9,203	1.0	-0.4	-2.6	9,543	9,246	9,255	10,770	97,716	101,885	-4.1
Ferrous metal foundries.....	1,517	1,636	1,571	-7.3	4.1	-1.8	1,532	1,667	1,553	1,853	16,121	17,109	-5.8
Fabricated metal products.....	29,216	29,641	29,090	-1.4	1.9	-2.6	29,638	30,662	29,776	32,178	301,057	308,952	-2.6
Machinery.....	33,259	32,874	32,955	1.2	-0.2	-0.6	33,084	33,249	32,162	33,426	327,176	354,246	-7.6
Construction machinery.....	3,009	3,036	3,376	-0.9	-10.1	0.4	3,284	2,771	3,258	4,210	31,849	31,300	1.8
Mining, oil field, and gas field machinery.....	1,503	1,337	1,413	12.4	-5.4	0.1	1,306	1,434	1,348	1,834	15,895	27,503	-42.2
Industrial machinery.....	3,111	3,067	2,969	1.4	3.3	0.8	3,307	3,259	2,702	3,036	27,914	30,130	-7.4
Photographic equipment.....	577	519	547	11.2	-5.1	2.2	603	587	545	611	5,452	5,655	-3.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,934	3,881	3,928	1.4	-1.2	-1.0	3,668	4,238	3,963	3,950	40,025	41,128	-2.7
Metalworking machinery.....	3,108	2,998	3,149	3.7	-4.8	0.9	3,332	3,192	3,134	2,775	29,160	25,791	13.1
Turbines, generators, and other power transmission equipment.....	3,955	4,226	3,823	-6.4	10.5	3.4	3,829	4,125	3,725	3,616	38,019	42,406	-10.3
Material handling equipment.....	2,798	2,956	2,648	-5.3	11.6	-8.8	2,637	3,088	2,580	2,602	27,087	25,544	6.0
Computers and electronic products ²	25,659	25,178	25,252	1.9	-0.3	-0.1	24,266	29,105	23,975	22,835	247,266	234,027	5.7
Computers.....	677	639	660	5.9	-3.2	-1.6	614	706	633	577	6,680	7,374	-9.4
Nondefense communications equipment.....	3,570	3,600	3,503	-0.8	2.8	-6.0	3,476	4,342	3,223	3,316	36,347	36,460	-0.3
Defense communications equipment.....	350	314	351	11.5	-10.5	-2.0	318	384	339	326	3,499	3,481	0.5
Electronic components.....	4,988	4,821	4,760	3.5	1.3	-1.7	4,909	5,017	5,153	3,776	46,918	37,452	25.3
Nondefense search and navigation equipment.....	1,644	1,615	1,682	1.8	-4.0	5.3	1,642	1,860	1,632	1,637	16,167	15,503	4.3
Defense search and navigation equipment.....	2,485	2,618	2,723	-5.1	-3.9	-2.4	2,320	3,247	2,421	2,882	25,400	25,632	-0.9
Electromedical, measuring, and control instruments.....	10,047	9,749	9,723	3.1	0.3	3.8	9,275	11,291	8,950	8,675	94,039	88,448	6.3
Electrical equipment, appliances, and components.....	9,910	9,991	10,152	-0.8	-1.6	-0.8	10,099	10,510	10,243	11,156	102,767	107,941	-4.8
Electric lighting equipment.....	1,000	978	1,016	2.2	-3.7	1.2	1,078	1,015	1,033	1,046	9,651	9,793	-1.5
Household appliances.....	1,614	1,556	1,493	3.7	4.2	-1.6	1,681	1,638	1,447	1,857	16,137	17,583	-8.2
Electrical equipment.....	3,043	3,033	3,174	0.3	-4.4	-3.6	2,971	3,137	3,154	3,448	32,440	34,261	-5.3
Transportation equipment.....	82,019	75,981	77,721	7.9	-2.2	-6.9	82,419	82,987	72,893	78,141	750,767	808,657	-7.2
Motor vehicle bodies, parts, and trailers.....	26,203	26,726	26,677	-2.0	0.2	-1.0	27,610	27,353	27,529	26,296	260,824	239,498	8.9
Nondefense aircraft and parts.....	17,492	9,663	14,245	81.0	-32.2	-11.3	14,257	12,436	10,685	11,449	121,346	199,724	-39.2
Defense aircraft and parts.....	5,676	6,495	5,028	-12.6	29.2	15.4	6,302	7,691	3,165	5,674	43,865	44,168	-0.7
Ships and boats.....	2,540	2,383	2,332	6.6	2.2	-30.2	2,102	2,217	1,997	1,982	23,496	34,625	-32.1
Furniture and related products.....	6,516	6,423	6,554	1.4	-2.0	2.7	6,522	6,646	6,519	6,235	64,359	60,824	5.8
Nondurable goods industries.....	235,094	235,049	237,081	0.0	-0.9	-1.3	240,398	240,653	243,588	266,890	2,410,612	2,668,199	-9.7

^P Preliminary ^F Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.² Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is non-sampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				% Change Oct. 2015/ 2014
	Monthly			Percent Change			Monthly				
	Oct. 2015 ^p	Sep. 2015 ^r	Aug. 2015	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2015 ^p	Sep. 2015 ^r	Aug. 2015	Oct. 2014	
All manufacturing industries ²	1,191,794	1,188,439	1,194,184	0.3	-0.5	-0.3	1,179,283	1,179,861	1,185,918	1,204,931	-2.1
Excluding transportation ²	393,623	393,593	394,576	0.0	-0.2	-0.1	389,628	391,219	393,420	397,083	-1.9
Excluding defense ²	1,009,566	1,006,028	1,011,911	0.4	-0.6	-0.2	998,337	998,420	1,005,334	1,011,650	-1.3
Durable goods industries ²	1,191,794	1,188,439	1,194,184	0.3	-0.5	-0.3	1,179,283	1,179,861	1,185,918	1,204,931	-2.1
Primary metals.....	34,670	34,962	35,461	-0.8	-1.4	-0.2	33,211	33,788	34,974	35,840	-7.3
Iron and steel mills.....	17,822	17,919	18,312	-0.5	-2.1	0.3	16,690	17,170	18,128	18,645	-10.5
Aluminum and nonferrous metals.....	11,916	12,027	12,143	-0.9	-1.0	-0.2	11,724	11,745	11,874	12,087	-3.0
Ferrous metal foundries.....	4,932	5,016	5,006	-1.7	0.2	-1.7	4,797	4,873	4,972	5,108	-6.1
Fabricated metal products.....	81,680	81,920	81,763	-0.3	0.2	-0.7	80,824	81,943	82,315	82,818	-2.4
Machinery.....	110,988	110,785	111,407	0.2	-0.6	-0.4	109,920	110,148	111,189	120,216	-8.6
Construction machinery.....	5,696	5,907	6,137	-3.6	-3.7	-1.8	5,473	5,709	5,986	9,297	-41.1
Mining, oil field, and gas field machinery.....	9,188	9,230	9,442	-0.5	-2.2	-1.7	9,132	9,361	9,548	11,979	-23.8
Industrial machinery.....	8,319	8,352	8,450	-0.4	-1.2	0.5	8,266	8,221	8,469	9,869	-16.2
Photographic equipment.....	1,668	1,632	1,617	2.2	0.9	1.5	1,676	1,652	1,636	1,589	5.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,510	7,550	7,641	-0.5	-1.2	-0.1	7,395	7,450	7,381	7,511	-1.5
Metalworking machinery.....	6,344	6,486	6,669	-2.2	-2.7	-0.9	6,286	6,428	6,634	7,271	-13.5
Turbines, generators, and other power transmission equipment.....	32,423	32,170	32,123	0.8	0.1	-0.7	32,166	32,051	32,064	35,483	-9.3
Material handling equipment.....	12,333	12,226	11,984	0.9	2.0	-0.5	11,997	12,195	11,929	10,208	17.5
Computers and electronic products ²	135,650	135,086	134,848	0.4	0.2	0.3	135,349	134,867	134,123	127,451	6.2
Computers.....	2,596	2,568	2,580	1.1	-0.5	-0.4	2,596	2,568	2,580	2,438	6.5
Nondefense communications equipment.....	37,111	36,783	36,573	0.9	0.6	0.6	37,067	36,556	36,300	32,540	13.9
Defense communications equipment.....	3,001	2,996	2,996	0.2	0.0	0.2	2,996	3,051	3,017	3,006	-0.3
Electronic components.....	11,046	10,965	10,952	0.7	0.1	-0.3	11,036	10,917	11,043	10,632	3.8
Nondefense search and navigation equipment.....	20,119	19,908	19,709	1.1	1.0	1.5	20,309	20,012	19,801	17,389	16.8
Defense search and navigation equipment.....	32,107	32,329	32,385	-0.7	-0.2	-0.1	31,982	32,349	32,016	33,328	-4.0
Electromedical, measuring, and control instruments.....	29,670	29,537	29,653	0.5	-0.4	0.1	29,363	29,414	29,366	28,118	4.4
Electrical equipment, appliances, and components.....	22,103	22,335	22,519	-1.0	-0.8	-0.1	21,893	22,086	22,362	22,618	-3.2
Electric lighting equipment.....	1,094	1,099	1,130	-0.5	-2.7	2.4	1,107	1,093	1,139	1,152	-3.9
Household appliances.....	1,512	1,480	1,488	2.2	-0.5	-6.1	1,447	1,402	1,414	1,472	-1.7
Electrical equipment.....	9,618	9,659	9,738	-0.4	-0.8	0.6	9,528	9,530	9,774	9,086	4.9
Transportation equipment.....	798,171	794,846	799,608	0.4	-0.6	-0.3	789,655	788,642	792,498	807,848	-2.3
Motor vehicle bodies, parts, and trailers.....	21,630	21,693	21,636	-0.3	0.3	-0.3	20,466	20,980	21,013	19,975	2.5
Nondefense aircraft and parts.....	612,365	608,569	613,282	0.6	-0.8	-0.2	606,064	604,209	608,233	612,030	-1.0
Defense aircraft and parts.....	65,521	65,325	64,218	0.3	1.7	-0.1	65,167	64,163	62,568	68,429	-4.8
Ships and boats.....	27,201	27,459	28,055	-0.9	-2.1	-1.5	26,553	27,308	28,150	32,721	-18.9
Furniture and related products.....	7,699	7,683	7,731	0.2	-0.6	1.8	7,598	7,565	7,610	7,369	3.1

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

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

Table 4. Value of Manufacturers' Inventories for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				% Change Oct. 2015/ 2014
	Monthly			Percent Change			Monthly				
	Oct. 2015 ^p	Sep. 2015 ^r	Aug. 2015	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2015 ^p	Sep. 2015 ^r	Aug. 2015	Oct. 2014	
All manufacturing industries.....	643,577	644,149	647,522	-0.1	-0.5	-0.4	647,438	643,155	652,408	659,237	-1.8
Excluding transportation.....	512,622	513,024	515,128	-0.1	-0.4	-0.6	515,931	512,364	519,225	532,115	-3.0
Excluding defense.....	616,610	616,607	618,862	0.0	-0.4	-0.5	620,596	615,550	623,680	633,818	-2.1
With unfilled orders.....	323,904	325,084	327,107	-0.4	-0.6	-0.2	324,139	323,697	329,998	323,699	0.1
Durable goods industries.....	397,034	398,047	400,531	-0.3	-0.6	-0.2	397,310	396,329	403,719	395,087	0.6
Wood products.....	11,260	11,194	11,197	0.6	0.0	-0.6	11,146	11,047	11,057	10,582	5.3
Nonmetallic mineral products.....	12,892	12,964	13,001	-0.6	-0.3	-0.1	12,536	12,755	12,927	12,583	-0.4
Primary metals.....	35,687	36,022	36,417	-0.9	-1.1	-1.6	35,486	35,952	36,494	38,696	-8.3
Iron and steel mills.....	20,169	20,566	20,951	-1.9	-1.8	-1.9	20,126	20,609	20,959	23,009	-12.5
Aluminum and nonferrous metals.....	13,578	13,496	13,482	0.6	0.1	-1.1	13,441	13,423	13,535	13,762	-2.3
Ferrous metal foundries.....	1,940	1,960	1,984	-1.0	-1.2	-1.3	1,919	1,920	2,000	1,925	-0.3
Fabricated metal products.....	49,109	49,031	48,927	0.2	0.2	0.0	48,638	48,598	49,003	48,038	1.2
Machinery.....	65,900	66,114	66,341	-0.3	-0.3	-0.5	66,071	65,951	67,189	67,287	-1.8
Farm machinery.....	3,149	3,181	3,253	-1.0	-2.2	-1.0	2,850	2,966	3,194	3,418	-16.6
Construction machinery.....	6,944	6,949	6,935	-0.1	0.2	-4.0	6,998	6,945	6,899	6,943	0.8
Mining, oil field, and gas field machinery.....	5,350	5,407	5,440	-1.1	-0.6	-0.5	5,262	5,394	5,539	6,202	-15.2
Industrial machinery.....	6,043	6,068	6,100	-0.4	-0.5	1.8	6,075	6,110	6,157	6,445	-5.7
Photographic equipment.....	1,385	1,421	1,382	-2.5	2.8	1.0	1,409	1,433	1,434	1,364	3.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,112	5,161	5,300	-0.9	-2.6	-0.4	5,034	5,010	5,370	5,129	-1.9
Metalworking machinery.....	5,510	5,523	5,586	-0.2	-1.1	-0.1	5,573	5,642	5,702	5,538	0.6
Turbines, generators, and other power transmission equipment.....	10,098	10,106	10,003	-0.1	1.0	-0.3	10,434	10,168	10,363	10,497	-0.6
Material handling equipment.....	4,264	4,239	4,215	0.6	0.6	0.8	4,398	4,357	4,339	4,035	9.0
Computers and electronic products ²	44,645	44,922	45,539	-0.6	-1.4	-1.0	45,099	44,694	46,461	45,105	0.0
Computers.....	1,065	1,100	1,111	-3.2	-1.0	-8.1	1,088	1,156	1,184	1,185	-8.2
Computer storage devices.....	1,242	1,255	1,367	-1.0	-8.2	-4.9	1,328	1,215	1,467	1,584	-16.2
Other peripheral equipment.....	1,006	1,074	1,118	-6.3	-3.9	-6.1	1,010	1,045	1,156	1,312	-23.0
Nondefense communications equipment.....	4,597	4,610	4,737	-0.3	-2.7	-0.6	4,632	4,539	4,796	5,226	-11.4
Defense communications equipment.....	833	837	834	-0.5	0.4	-1.1	833	837	834	798	4.4
Audio and video equipment.....	760	748	768	1.6	-2.6	-2.2	863	841	824	859	0.5
Electronic components.....	8,093	8,141	8,194	-0.6	-0.6	-1.1	8,080	8,041	8,229	7,372	9.6
Nondefense search and navigation equipment.....	3,486	3,478	3,496	0.2	-0.5	0.3	3,548	3,479	3,559	3,331	6.5
Defense search and navigation equipment.....	3,099	3,121	3,233	-0.7	-3.5	1.5	3,060	3,042	3,257	2,866	6.8
Electromedical, measuring and control instruments.....	14,229	14,344	14,395	-0.8	-0.4	-0.5	14,298	14,164	14,837	14,677	-2.6
Electrical equipment, appliances, and components.....	16,401	16,463	16,579	-0.4	-0.7	-0.4	16,404	16,206	16,842	16,350	0.3
Electric lighting equipment.....	1,866	1,857	1,849	0.5	0.4	0.8	1,856	1,852	1,879	1,852	0.2
Household appliances.....	2,128	2,119	2,091	0.4	1.3	0.6	2,168	2,117	2,178	2,106	2.9
Electrical equipment.....	4,866	4,908	4,962	-0.9	-1.1	-1.1	4,870	4,670	4,998	5,037	-3.3
Batteries.....	1,353	1,368	1,392	-1.1	-1.7	-0.5	1,386	1,412	1,476	1,377	0.7
Transportation equipment.....	130,955	131,125	132,394	-0.1	-1.0	0.6	131,507	130,791	133,183	127,122	3.4
Automobiles.....	4,704	4,476	4,629	5.1	-3.3	1.8	4,802	4,519	4,634	4,683	2.5
Light trucks and utility vehicles.....	4,376	4,232	4,185	3.4	1.1	-0.6	4,555	4,258	4,210	3,804	19.7
Heavy duty trucks.....	1,798	1,921	1,951	-6.4	-1.5	-0.6	1,852	1,910	1,937	1,685	9.9
Motor vehicle bodies, parts, and trailers.....	24,822	24,773	25,050	0.2	-1.1	-0.5	24,818	24,651	25,190	23,983	3.5
Nondefense aircraft and parts.....	67,436	67,346	67,090	0.1	0.4	0.2	67,605	66,835	67,478	65,918	2.6
Defense aircraft and parts.....	11,868	11,953	12,784	-0.7	-6.5	2.9	11,876	11,968	12,819	12,913	-8.0
Ships and boats.....	2,177	2,099	2,246	3.7	-6.5	1.4	2,163	2,086	2,230	2,217	-2.4
Furniture and related products.....	7,339	7,332	7,284	0.1	0.7	0.3	7,323	7,342	7,439	6,835	7.1
Miscellaneous durable goods.....	22,846	22,880	22,852	-0.1	0.1	0.1	23,100	22,993	23,124	22,489	2.7
Nondurable goods industries.....	246,543	246,102	246,991	0.2	-0.4	-0.7	250,128	246,826	248,689	264,150	-5.3
Food products.....	53,453	53,537	53,268	-0.2	0.5	0.4	56,916	54,312	53,764	56,790	0.2
Grain and oilseed milling.....	5,931	5,913	5,904	0.3	0.2	-0.3	6,359	5,671	5,697	6,586	-3.4
Dairy products.....	8,147	8,253	8,054	-1.3	2.5	0.3	8,161	8,284	8,238	8,723	-6.4
Meat, poultry, and seafood products.....	9,282	9,200	9,315	0.9	-1.2	-0.4	9,544	9,193	9,470	9,792	-2.5
Beverage and tobacco products.....	19,819	20,103	20,133	-1.4	-0.1	-0.3	20,580	20,084	19,537	20,536	0.2
Beverages.....	15,601	15,885	15,879	-1.8	0.0	0.0	16,288	16,023	15,489	16,333	-0.3
Tobacco.....	4,218	4,218	4,254	0.0	-0.8	-1.1	4,292	4,061	4,048	4,203	2.1
Textile mills.....	3,270	3,285	3,272	-0.5	0.4	0.9	3,255	3,288	3,274	3,252	0.1
Textile products.....	3,014	3,002	2,977	0.4	0.8	0.9	3,014	3,011	2,980	2,993	0.7
Apparel.....	2,695	2,646	2,630	1.9	0.6	1.1	2,772	2,763	2,790	2,435	13.8
Leather and allied products.....	857	856	865	0.1	-1.0	0.2	863	876	883	884	-2.4
Paper products.....	16,685	16,684	16,690	0.0	0.0	0.1	16,530	16,695	16,806	16,318	1.3
Pulp, paper, and paperboard mills.....	7,359	7,377	7,376	-0.2	0.0	-0.1	7,225	7,309	7,368	6,444	12.1
Paperboard containers.....	4,700	4,680	4,684	0.4	-0.1	0.5	4,675	4,695	4,727	5,296	-11.7
Printing.....	5,826	5,782	5,726	0.8	1.0	0.2	6,102	5,972	6,015	5,690	7.2
Petroleum and coal products.....	34,095	33,611	34,494	1.4	-2.6	-5.3	34,705	34,099	35,454	48,172	-28.0
Petroleum refineries.....	29,465	28,857	29,822	2.1	-3.2	-6.2	30,260	29,488	30,812	43,452	-30.4
Chemical products.....	82,524	82,087	82,346	0.5	-0.3	-0.1	81,404	81,361	82,689	82,363	-1.2
Pesticides, fertilizers, and other agricultural chemicals.....	4,702	4,731	4,729	-0.6	0.0	-0.4	4,568	4,427	4,455	4,801	-4.9
Pharmaceuticals and medicines.....	33,038	32,556	32,420	1.5	0.4	0.8	32,619	32,230	32,482	30,538	6.8
Paints, coatings, and adhesives.....	3,718	3,741	3,696	-0.6	1.2	0.4	3,567	3,631	3,619	3,596	-0.8
Plastics and rubber products.....	24,305	24,509	24,590	-0.8	-0.3	-0.1	23,987	24,365	24,497	24,717	-3.0

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

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

Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series^{1, 2}

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						% Change ⁶
	Monthly			Percent Change			Monthly			Year to date			
	Oct. 2015 ^p	Sep. 2015 ^r	Aug. 2015	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2015 ^p	Sep. 2015 ^r	Aug. 2015	Oct. 2014	2015 ^p	2014	
SHIPMENTS													
All manufacturing industries.....	475,173	477,659	479,066	-0.5	-0.3	-0.9	486,595	497,893	489,290	517,305	4,822,221	5,039,467	-4.3
Construction materials and supplies.....	46,467	46,438	46,197	0.1	0.5	-0.6	49,390	49,104	49,528	50,809	471,564	473,061	-0.3
Information technology.....	24,329	24,304	24,165	0.1	0.6	0.0	23,202	27,581	23,564	22,120	236,431	229,044	3.2
Computers and related products.....	2,032	1,965	2,015	3.4	-2.5	-5.9	1,690	2,447	1,742	1,665	20,113	21,768	-7.6
Motor vehicle and parts.....	51,672	53,151	52,756	-2.8	0.7	-1.7	55,789	55,722	54,263	53,378	518,041	473,085	9.5
Capital goods.....	89,410	90,484	90,256	-1.2	0.3	0.6	87,896	98,006	88,636	88,192	883,875	865,844	2.1
Nondefense capital goods ³	78,726	79,949	80,257	-1.5	-0.4	1.3	77,493	86,392	78,745	78,858	786,338	772,576	1.8
Excluding aircraft.....	69,491	69,842	69,301	-0.5	0.8	-0.8	69,146	74,507	68,147	69,892	691,361	690,476	0.1
Defense capital goods ⁴	10,684	10,535	9,999	1.4	5.4	-4.5	10,403	11,614	9,891	9,334	97,537	93,268	4.6
Consumer goods.....	187,691	188,562	189,986	-0.5	-0.7	-1.7	194,384	194,763	195,193	214,211	1,919,103	2,119,111	-9.4
Consumer durable goods.....	35,735	36,922	36,470	-3.2	1.2	-2.1	37,841	39,301	36,887	37,205	358,587	338,722	5.9
Consumer nondurable goods.....	151,956	151,640	153,516	0.2	-1.2	-1.7	156,543	155,462	158,306	177,006	1,560,516	1,780,389	-12.3
NEW ORDERS													
All manufacturing industries ⁵	473,873	467,064	471,041	1.5	-0.8	-2.1	480,481	487,375	472,263	509,549	4,738,108	5,098,110	-7.1
Construction materials and supplies.....	46,014	46,133	46,031	-0.3	0.2	-0.9	48,541	48,800	48,699	51,616	471,728	480,252	-1.8
Information technology.....	24,630	24,478	24,688	0.6	-0.9	0.6	23,339	28,493	23,149	23,441	242,014	239,673	1.0
Computers and related products.....	2,060	1,953	2,005	5.5	-2.6	-4.6	1,718	2,435	1,732	1,714	20,237	22,217	-8.9
Motor vehicle and parts.....	51,609	53,208	52,686	-3.0	1.0	-2.0	55,275	55,689	54,246	53,122	516,477	474,140	8.9
Capital goods.....	92,788	83,043	86,794	11.7	-4.3	-7.0	87,367	89,507	80,173	84,963	854,601	958,058	-10.8
Nondefense capital goods ³	83,180	73,509	78,181	13.2	-6.0	-4.6	79,501	78,475	73,656	76,818	766,986	862,818	-11.1
Excluding aircraft.....	70,052	69,186	68,863	1.3	0.5	-1.4	69,181	73,193	66,430	69,976	689,384	716,428	-3.8
Defense capital goods ⁴	9,608	9,534	8,613	0.8	10.7	-23.8	7,866	11,032	6,517	8,145	87,615	95,240	-8.0
Consumer goods.....	187,767	188,548	190,009	-0.4	-0.8	-1.6	194,479	194,790	195,028	214,266	1,918,947	2,119,456	-9.5
Consumer durable goods.....	35,811	36,908	36,493	-3.0	1.1	-1.5	37,936	39,328	36,722	37,260	358,431	339,067	5.7
Consumer nondurable goods.....	151,956	151,640	153,516	0.2	-1.2	-1.7	156,543	155,462	158,306	177,006	1,560,516	1,780,389	-12.3
UNFILLED ORDERS													
All manufacturing industries ⁵	1,191,794	1,188,439	1,194,184	0.3	-0.5	-0.3	1,179,283	1,179,861	1,185,918	1,204,931	(X)	(X)	-2.1
Construction materials and supplies.....	54,058	54,511	54,816	-0.8	-0.6	-0.3	53,806	54,655	54,959	54,741	(X)	(X)	-1.7
Information technology.....	136,151	135,850	135,676	0.2	0.1	0.4	135,800	135,663	134,751	129,316	(X)	(X)	5.0
Computers and related products.....	2,596	2,568	2,580	1.1	-0.5	-0.4	2,596	2,568	2,580	2,438	(X)	(X)	6.5
Motor vehicle and parts.....	21,630	21,693	21,636	-0.3	0.3	-0.3	20,466	20,980	21,013	19,975	(X)	(X)	2.5
Capital goods.....	904,654	901,276	908,717	0.4	-0.8	-0.4	894,960	895,489	903,988	915,472	(X)	(X)	-2.2
Nondefense capital goods ³	757,863	753,409	759,849	0.6	-0.8	-0.3	749,642	747,634	755,551	757,009	(X)	(X)	-1.0
Excluding aircraft.....	246,044	245,483	246,139	0.2	-0.3	-0.2	244,389	244,354	245,668	247,477	(X)	(X)	-1.2
Defense capital goods ⁴	146,791	147,867	148,868	-0.7	-0.7	-0.9	145,318	147,855	148,437	158,463	(X)	(X)	-8.3
Consumer goods.....	5,321	5,245	5,259	1.4	-0.3	0.4	5,107	5,012	4,985	4,932	(X)	(X)	3.5
Consumer durable goods.....	5,321	5,245	5,259	1.4	-0.3	0.4	5,107	5,012	4,985	4,932	(X)	(X)	3.5
TOTAL INVENTORIES													
All manufacturing industries.....	643,577	644,149	647,522	-0.1	-0.5	-0.4	647,438	643,155	652,408	659,237	(X)	(X)	-1.8
Construction materials and supplies.....	65,161	65,349	65,393	-0.3	-0.1	-0.1	64,041	64,557	65,212	63,345	(X)	(X)	1.1
Information technology.....	38,016	38,329	38,856	-0.8	-1.4	-0.8	38,318	38,033	39,792	39,321	(X)	(X)	-2.6
Computers and related products.....	3,313	3,429	3,596	-3.4	-4.6	-6.3	3,426	3,416	3,807	4,081	(X)	(X)	-16.0
Motor vehicle and parts.....	35,700	35,402	35,815	0.8	-1.2	-0.2	36,027	35,338	35,971	34,155	(X)	(X)	5.5
Capital goods.....	197,061	197,948	199,573	-0.4	-0.8	-0.1	197,851	197,178	202,032	197,714	(X)	(X)	0.1
Nondefense capital goods ³	175,150	175,447	175,963	-0.2	-0.3	-0.5	176,073	174,629	178,389	177,195	(X)	(X)	-0.6
Excluding aircraft.....	118,946	119,598	120,158	-0.5	-0.5	-0.7	119,761	119,263	122,173	122,274	(X)	(X)	-2.1
Defense capital goods ⁴	21,911	22,501	23,610	-2.6	-4.7	2.9	21,778	22,549	23,643	20,519	(X)	(X)	6.1
Consumer goods.....	186,439	185,295	185,818	0.6	-0.3	-0.7	191,512	186,621	187,405	199,555	(X)	(X)	-4.0
Consumer durable goods.....	29,950	29,493	29,561	1.5	-0.2	0.6	30,443	29,604	29,899	28,532	(X)	(X)	6.7
Consumer nondurable goods.....	156,489	155,802	156,257	0.4	-0.3	-1.0	161,069	157,017	157,506	171,023	(X)	(X)	-5.8

X Not Applicable ^p Preliminary ^r Revised data due to late receipts and concurrent seasonal adjustment.

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

² Topical series are regroupings of the separate industry categories.

³ Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

⁴ Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.

⁵ Estimates and percent changes exclude semiconductor industry data.

⁶ Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.

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

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				% Change Oct. 2015/ 2014
	Oct. 2015 ^p	Sep. 2015 ^f	Aug. 2015	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2015 ^p	Sep. 2015 ^f	Aug. 2015	Oct. 2014	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	212,390	212,422	213,544	0.0	-0.5	-0.4	212,944	211,943	214,257	218,589	-2.6
Durable goods industries.....	132,324	132,341	133,221	0.0	-0.7	-0.1	132,385	132,354	134,124	133,072	-0.5
Wood products.....	4,456	4,459	4,469	-0.1	-0.2	-1.1	4,583	4,538	4,459	4,423	3.6
Nonmetallic mineral products.....	4,917	4,972	5,007	-1.1	-0.7	-1.1	4,895	4,969	5,010	4,876	0.4
Primary metals.....	13,747	13,883	13,869	-1.0	0.1	-1.6	13,901	13,995	13,791	15,176	-8.4
Fabricated metal products.....	17,715	17,485	17,551	1.3	-0.4	-0.5	17,570	17,493	17,582	17,701	-0.7
Machinery.....	25,812	25,923	26,014	-0.4	-0.3	-0.9	25,852	25,913	26,369	25,933	-0.3
Computers and electronic products.....	18,617	18,667	18,905	-0.3	-1.3	-0.5	18,717	18,570	19,081	18,494	1.2
Electrical equipment, appliances, and components.....	6,453	6,485	6,558	-0.5	-1.1	-0.5	6,383	6,358	6,638	6,517	-2.1
Transportation equipment.....	29,126	28,977	29,341	0.5	-1.2	2.4	29,020	29,022	29,570	28,806	0.7
Furniture and related products.....	3,819	3,806	3,800	0.3	0.2	0.0	3,795	3,808	3,828	3,518	7.9
Miscellaneous products.....	7,662	7,684	7,707	-0.3	-0.3	-0.2	7,669	7,688	7,796	7,628	0.5
Nondurable goods industries.....	80,066	80,081	80,323	0.0	-0.3	-0.8	80,559	79,589	80,133	85,517	-5.8
Food products.....	17,872	18,019	17,973	-0.8	0.3	0.5	18,827	17,773	17,666	19,184	-1.9
Beverage and tobacco products.....	5,150	5,150	5,105	0.0	0.9	-0.8	5,164	5,000	4,894	5,156	0.2
Textiles.....	1,196	1,194	1,198	0.2	-0.3	1.4	1,182	1,196	1,204	1,158	2.1
Textile products.....	1,147	1,136	1,127	1.0	0.8	1.3	1,139	1,137	1,126	1,174	-3.0
Apparel.....	920	900	885	2.2	1.7	1.4	935	918	907	730	28.1
Leather and allied products.....	254	257	253	-1.2	1.6	0.0	255	264	259	254	0.4
Paper products.....	8,544	8,563	8,565	-0.2	0.0	-0.3	8,423	8,607	8,596	8,090	4.1
Printing.....	2,747	2,749	2,755	-0.1	-0.2	-0.4	2,778	2,808	2,836	2,738	1.5
Petroleum and coal products.....	8,101	7,755	7,682	4.5	1.0	-6.2	8,185	7,646	7,729	11,107	-26.3
Chemical products.....	24,437	24,603	24,960	-0.7	-1.4	-0.7	24,111	24,478	25,111	25,767	-6.4
Plastics and rubber products.....	9,698	9,755	9,820	-0.6	-0.7	-0.5	9,560	9,762	9,805	10,159	-5.9
WORK IN PROCESS											
All manufacturing industries.....	202,442	203,698	205,897	-0.6	-1.1	-0.3	204,560	201,884	206,660	208,149	-1.7
Durable goods industries.....	155,184	156,703	158,019	-1.0	-0.8	-0.1	155,605	155,819	159,551	153,762	1.2
Wood products.....	2,348	2,319	2,337	1.3	-0.8	-0.8	2,326	2,302	2,309	2,110	10.2
Nonmetallic mineral products.....	1,483	1,478	1,504	0.3	-1.7	0.7	1,421	1,451	1,501	1,342	5.9
Primary metals.....	10,844	10,987	11,238	-1.3	-2.2	-1.4	10,813	10,897	11,416	11,657	-7.2
Fabricated metal products.....	13,072	13,057	12,991	0.1	0.5	0.0	13,098	13,015	13,155	13,255	-1.2
Machinery.....	19,120	19,494	19,754	-1.9	-1.3	0.7	19,503	19,578	20,163	20,596	-5.3
Computers and electronic products.....	15,092	15,293	15,429	-1.3	-0.9	-2.0	15,154	15,056	15,772	14,637	3.5
Electrical equipment, appliances, and components.....	3,770	3,840	3,873	-1.8	-0.9	-0.4	3,772	3,794	3,923	3,901	-3.3
Transportation equipment.....	84,507	85,207	85,906	-0.8	-0.8	0.2	84,551	84,641	86,237	81,687	3.5
Furniture and related products.....	1,036	1,047	1,032	-1.1	1.5	-0.4	1,029	1,047	1,040	1,002	2.7
Miscellaneous products.....	3,912	3,981	3,955	1.7	0.7	1.4	3,938	4,038	4,035	3,575	10.2
Nondurable goods industries.....	47,258	46,995	47,878	0.6	-1.8	-1.2	48,955	46,065	47,109	54,387	-10.0
Food products.....	5,671	5,707	5,856	-0.6	-2.5	-0.9	6,766	5,162	5,361	6,154	9.9
Beverage and tobacco products.....	7,167	7,327	7,398	-2.2	-1.0	0.4	7,756	7,247	6,756	7,674	1.1
Textiles.....	770	766	762	0.5	0.5	0.3	771	774	771	802	-3.9
Textile products.....	462	458	459	0.9	-0.2	1.3	464	466	461	448	3.6
Apparel.....	319	318	324	0.3	-1.9	-1.2	324	330	343	348	-6.9
Leather and allied products.....	105	106	109	-0.9	-2.8	10.1	107	106	108	93	15.1
Paper products.....	1,310	1,345	1,355	-2.6	-0.7	1.3	1,304	1,353	1,372	1,481	-12.0
Printing.....	1,433	1,415	1,372	1.3	3.1	1.0	1,583	1,475	1,518	1,348	17.4
Petroleum and coal products.....	8,922	8,928	9,418	-0.1	-5.2	-5.0	9,246	9,003	9,746	15,849	-41.7
Chemical products.....	18,401	17,919	18,123	2.7	-1.1	-0.4	17,976	17,469	17,977	17,646	1.9
Plastics and rubber products.....	2,698	2,706	2,702	-0.3	0.1	-0.5	2,658	2,680	2,696	2,544	4.5
FINISHED GOODS											
All manufacturing industries.....	228,745	228,029	228,081	0.3	0.0	-0.5	229,934	229,328	231,491	232,499	-1.1
Durable goods industries.....	109,526	109,003	109,291	0.5	-0.3	-0.5	109,320	108,156	110,044	108,253	1.0
Wood products.....	4,456	4,416	4,391	0.9	0.6	0.1	4,237	4,207	4,289	4,049	4.6
Nonmetallic mineral products.....	6,492	6,514	6,490	-0.3	0.4	0.4	6,220	6,335	6,416	6,365	-2.3
Primary metals.....	11,096	11,152	11,310	-0.5	-1.4	-1.5	10,772	11,060	11,287	11,863	-9.2
Fabricated metal products.....	18,322	18,489	18,385	-0.9	0.6	0.3	17,970	18,090	18,266	17,082	5.2
Machinery.....	20,968	20,697	20,573	1.3	0.6	-1.2	20,716	20,460	20,657	20,758	-0.2
Computers and electronic products.....	10,936	10,962	11,205	-0.2	-2.2	-0.7	11,228	11,068	11,608	11,974	-6.2
Electrical equipment, appliances, and components.....	6,178	6,138	6,148	0.7	-0.2	-0.2	6,249	6,054	6,281	5,932	5.3
Transportation equipment.....	17,322	16,941	17,147	2.2	-1.2	-0.7	17,936	17,128	17,376	16,629	7.9
Furniture and related products.....	2,484	2,479	2,452	0.2	1.1	1.1	2,499	2,487	2,571	2,315	7.9
Miscellaneous products.....	11,272	11,215	11,190	0.5	0.2	-0.1	11,493	11,267	11,293	11,286	1.8
Nondurable goods industries.....	119,219	119,026	118,790	0.2	0.2	-0.4	120,614	121,172	121,447	124,246	-2.9
Food products.....	29,910	29,811	29,439	0.3	1.3	0.6	31,323	31,377	30,737	31,452	-0.4
Beverage and tobacco products.....	7,502	7,626	7,630	-1.6	-0.1	-0.5	7,660	7,837	7,887	7,706	-0.6
Textiles.....	1,304	1,325	1,312	-1.6	1.0	0.8	1,302	1,318	1,299	1,292	0.8
Textile products.....	1,405	1,408	1,391	-0.2	1.2	0.4	1,411	1,408	1,393	1,371	2.9
Apparel.....	1,456	1,428	1,421	2.0	0.5	1.5	1,513	1,515	1,540	1,357	11.5
Leather and allied products.....	498	493	503	1.0	-2.0	-1.6	501	506	516	537	-6.7
Paper products.....	6,831	6,776	6,770	0.8	0.1	0.2	6,803	6,735	6,838	6,747	0.8
Printing.....	1,646	1,618	1,599	1.7	1.2	0.6	1,741	1,689	1,661	1,604	8.5
Petroleum and coal products.....	17,072	16,928	17,394	0.9	-2.7	-5.1	17,274	17,450	17,979	21,216	-18.6
Chemical products.....	39,686	39,565	39,263	0.3	0.8	0.5	39,317	39,414	39,601	38,950	0.9
Plastics and rubber products.....	11,909	12,048	12,068	-1.2	-0.2	0.4	11,769	11,923	11,996	12,014	-2.0

^p Preliminary ^f Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of fulfilled 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 ¹

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ²			
	Oct 2015 ^a	Sep 2015 ^b	Aug 2015	Jul 2015	Oct 2015 ^a	Sep 2015 ^b	Aug 2015	Jul 2015
	All manufacturing industries ³	1.35	1.35	1.35	1.34	(X)	(X)	(X)
Durable goods industries ³	1.65	1.64	1.66	1.65	6.94	6.86	6.89	6.89
Wood products.....	1.38	1.38	1.40	1.39	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.33	1.32	1.34	1.33	(X)	(X)	(X)	(X)
Primary metals.....	1.77	1.78	1.79	1.79	1.72	1.73	1.74	1.72
Fabricated metal products.....	1.67	1.66	1.65	1.64	2.86	2.87	2.84	2.84
Machinery.....	1.99	1.97	1.99	1.98	3.61	3.56	3.60	3.59
Computers and electronic products ³	1.50	1.51	1.54	1.58	5.85	5.84	5.88	5.88
Electrical equipment, appliances, and components.....	1.62	1.62	1.63	1.60	2.38	2.39	2.41	2.36
Transportation equipment.....	1.66	1.62	1.64	1.63	14.98	14.65	14.68	14.86
Furniture and related products.....	1.13	1.13	1.13	1.12	1.38	1.39	1.41	1.37
Miscellaneous products.....	1.58	1.60	1.60	1.60	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.05	1.05	1.04	1.04	(X)	(X)	(X)	(X)
Food products.....	0.81	0.81	0.81	0.80	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.52	1.56	1.59	1.62	(X)	(X)	(X)	(X)
Textiles.....	1.26	1.27	1.28	1.27	(X)	(X)	(X)	(X)
Textile products.....	1.56	1.53	1.53	1.52	(X)	(X)	(X)	(X)
Apparel.....	2.33	2.28	2.25	2.25	(X)	(X)	(X)	(X)
Leather and allied products.....	1.85	1.89	1.94	1.86	(X)	(X)	(X)	(X)
Paper products.....	1.03	1.04	1.04	1.04	(X)	(X)	(X)	(X)
Printing.....	0.80	0.80	0.79	0.78	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.79	0.78	0.76	0.75	(X)	(X)	(X)	(X)
Chemical products.....	1.29	1.27	1.28	1.28	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.28	1.29	1.29	1.28	(X)	(X)	(X)	(X)

X Not Applicable ^a Preliminary ^b Revised data due to late receipts and concurrent seasonal adjustment.

² 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.

³ Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes ¹

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Oct ² 2015	Oct ³ 2014- Sep 2015	Oct ² 2015	Oct ³ 2014- Sep 2015	Oct ² 2015	Oct ³ 2014- Sep 2015	Oct ² 2015	Oct ³ 2014- Sep 2015
	All manufacturing industries.....	(X)	0.2	(X)	0.4	(X)	0.1	(X)
Durable goods industries.....	0.0	0.3	-0.1	0.7	0.0	0.1	-0.1	0.1
Wood products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Primary metals.....	0.0	0.5	0.2	1.1	-0.1	0.4	0.0	0.4
Fabricated metal products.....	-0.1	0.3	-0.6	0.4	-0.2	0.1	0.0	0.2
Machinery.....	-0.6	0.6	-0.4	0.9	0.1	0.1	-0.1	0.2
Computers and electronic products.....	0.2	0.3	0.1	0.6	0.0	0.1	-0.4	0.3
Electrical equipment, appliances, and components.....	0.4	0.3	0.3	0.9	-0.1	0.3	-0.2	0.3
Transportation equipment.....	0.0	0.4	-0.1	1.3	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.4	(X)	0.5	(X)	0.5	(X)	0.3
Miscellaneous products.....	(X)	0.5	(X)	0.5	(X)	0.3	(X)	0.3
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	1.8	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	1.0
Leather and allied products.....	(X)	1.3	(X)	(NA)	(X)	(NA)	(X)	0.5
Paper products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	1.4
Chemical products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3

X Not Applicable NA Not Available

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

² The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

³ 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, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for 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). Data published from the M3 survey are based on a panel of approximately 4,800 reporting units that represent approximately 3,000 companies and provide an indication of month-to-month change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-month movements of all establishments that make up the category.

The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 61 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census, and these companies include almost two-thirds of the manufacturing companies with \$500 million or more in shipments in the 2012 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 54 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on 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>.

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 2015	November 25, 2015	December 3, 2015
November 2015	December 23, 2015	January 6, 2016
December 2015	January 28, 2016	February 4, 2016
January 2016	February 25, 2016	March 3, 2016
February 2016	March 24, 2016	April 4, 2016
March 2016	April 26, 2016	May 4, 2016
April 2016	May 26, 2016	June 3, 2016
May 2016	June 24, 2016	July 5, 2016
June 2016	July 27, 2016	August 4, 2016
July 2016	August 25, 2016	September 2, 2016
August 2016	September 28, 2016	October 5, 2016
September 2016	October 27, 2016	November 3, 2016
October 2016	November 23, 2016	December 6, 2016
November 2016	December 22, 2016	Not available at this time

Source: <https://www.whitehouse.gov/sites/default/files/omb/inforeg/statpolicy/pfei-schedule-of-release-dates-2016.pdf>