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

Summary

New orders for manufactured goods in August, down following two consecutive monthly increases, decreased \$8.2 billion or 1.7 percent to \$473.0 billion, the U.S. Census Bureau reported today. This followed a 0.2 percent July increase.

Shipments, down four of the last five months, decreased \$3.2 billion or 0.7 percent to \$480.1 billion. This followed a 0.2 percent July decrease.

Unfilled orders, down following two consecutive monthly increases, decreased \$2.4 billion or 0.2 percent to \$1,195.0 billion. This followed a 0.2 percent July increase. The unfilled orders-to-shipments ratio was 6.87, down from 6.89 in July.

Inventories, down two consecutive months, decreased \$1.6 billion or 0.3 percent to \$648.4 billion. This followed a 0.3 percent July decrease. The inventories-to-shipments ratio was 1.35, up from 1.34 in July.

New Orders

New orders for manufactured durable goods in August, down following two consecutive monthly increases, decreased \$5.5 billion or 2.3 percent to \$235.5 billion, down from the previously published 2.0 percent decrease. This followed a 1.9 percent July increase.

Transportation equipment, also down following two consecutive monthly increases, led the decrease, \$5.1 billion or 6.2 percent to \$78.3 billion.

New orders for manufactured nondurable goods decreased \$2.7 billion or 1.1 percent to \$237.5 billion.

Shipments

Shipments of manufactured durable goods in August, down following two consecutive monthly increases, decreased \$0.5 billion or 0.2 percent to \$242.7 billion, down from the previously published virtually unchanged decrease. This followed a 1.0 percent July increase.

Transportation equipment, also down following two consecutive monthly increases, led the decrease, \$0.3 billion or 0.3 percent to \$80.6 billion.

Shipments of manufactured nondurable goods, down two consecutive months, decreased \$2.7 billion or 1.1 percent to \$237.5 billion. This followed a 1.4 percent July decrease. Petroleum and coal products, also down two consecutive months, drove the decrease, \$2.7 billion or 5.6 percent to \$45.8 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in August, down following two consecutive monthly increases, decreased \$2.4 billion or 0.2 percent to \$1,195.0 billion, virtually unchanged from the previously published decrease. This followed a 0.2 percent July increase.

Transportation equipment, also down following two consecutive monthly increases, led the decrease, \$2.2 billion or 0.3 percent to \$800.1 billion.

Inventories

Inventories of manufactured durable goods in August, down three of the last four months, decreased \$0.1 billion or virtually unchanged to \$401.2 billion, down from the previously published virtually unchanged increase. This followed a 0.2 percent July decrease.

Primary metals, down seven consecutive months, drove the decrease, \$0.5 billion or 1.3 percent to \$36.5 billion.

Inventories of manufactured nondurable goods, down two consecutive months, decreased \$1.5 billion or 0.6 percent to \$247.2 billion. This followed a 0.4 percent July decrease. Petroleum and coal products, also down two consecutive months, drove the decrease, \$1.8 billion or 4.9 percent to \$34.7 billion.

By stage of fabrication, August materials and supplies increased 0.1 percent in durable goods and decreased 0.8 percent in nondurable goods. Work in process increased 0.2 percent in durable goods and decreased 0.5 percent in nondurable goods. Finished goods decreased 0.5 percent in durable goods and decreased 0.5 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 September is scheduled for release on October 27, 2015 at 8:30 a.m. EDT and the Full Report on November 3, 2015 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
	Aug. 2015 ^P	July 2015 ^F	June 2015	July - Aug.	June - July	May - June	Aug. 2015 ^P	July 2015 ^F	June 2015	Aug. 2014	2015 ^P	2014	
All manufacturing industries.....	480,143	483,362	484,363	-0.7	-0.2	0.6	490,105	472,386	513,644	517,184	3,838,548	3,998,480	-4.0
Excluding transportation.....	399,577	402,521	405,906	-0.7	-0.8	0.4	408,890	402,289	427,305	442,586	3,224,798	3,430,864	-6.0
Excluding defense.....	467,771	470,412	471,504	-0.6	-0.2	0.4	477,957	460,917	499,554	505,263	3,744,750	3,906,026	-4.1
With unfilled orders.....	173,860	173,814	172,730	0.0	0.6	1.0	175,682	164,588	189,152	174,024	1,368,106	1,330,756	2.8
Durable goods industries.....	242,677	243,200	240,911	-0.2	1.0	0.9	246,383	230,210	262,452	244,369	1,908,853	1,866,212	2.3
Wood products.....	8,136	8,084	7,916	0.6	2.1	1.8	8,715	8,568	8,842	8,851	65,120	65,495	-0.6
Nonmetallic mineral products.....	9,690	9,799	9,642	-1.1	1.6	1.6	10,607	10,544	10,587	10,762	77,441	76,724	0.9
Primary metals.....	20,448	20,710	21,117	-1.3	-1.9	-1.0	20,992	20,460	22,000	24,449	173,703	186,890	-7.1
Iron and steel mills.....	9,524	9,662	9,817	-1.4	-1.6	-1.7	9,775	9,552	10,151	12,090	80,849	93,625	-13.6
Aluminum and nonferrous metals.....	9,291	9,440	9,697	-1.6	-2.7	-0.5	9,566	9,354	10,044	10,698	79,775	80,069	-0.4
Ferrous metal foundries.....	1,633	1,608	1,603	1.6	0.3	1.1	1,651	1,554	1,805	1,661	13,079	13,196	-0.9
Fabricated metal products.....	29,791	29,822	29,895	-0.1	-0.2	0.0	31,094	29,634	31,881	31,799	240,365	239,284	0.5
Machinery.....	33,795	33,656	33,943	0.4	-0.8	1.5	33,170	32,656	37,041	34,988	267,151	271,161	-1.5
Farm machinery.....	1,843	1,700	1,765	8.4	-3.7	9.0	1,710	1,591	1,754	3,420	14,179	24,502	-42.1
Construction machinery.....	3,627	3,647	3,609	-0.5	1.1	-1.6	3,251	3,415	3,596	2,801	29,028	21,870	32.7
Mining, oil field, and gas field machinery.....	1,588	1,693	1,735	-6.2	-2.4	-2.1	1,583	1,611	1,851	2,775	14,750	22,110	-33.3
Industrial machinery.....	2,897	2,960	3,213	-2.1	-7.9	7.7	2,759	2,824	3,576	2,893	21,704	23,274	-6.7
Photographic equipment.....	528	538	549	-1.9	-2.0	4.2	518	502	587	571	4,100	4,433	-7.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,944	3,966	3,904	-0.6	1.6	0.4	4,098	4,423	4,993	4,093	32,113	31,676	1.4
Metalworking machinery.....	3,241	3,234	2,981	0.2	8.5	-0.7	3,259	3,164	3,273	2,497	22,859	20,052	14.0
Turbines, generators, and other power transmission equipment.....	4,049	3,893	4,177	4.0	-6.8	2.0	4,081	3,775	4,341	4,219	32,941	30,474	8.1
Material handling equipment.....	2,709	2,692	2,606	0.6	3.3	2.0	2,806	2,663	2,694	2,504	20,196	19,127	5.6
Computers and electronic products ²	29,382	29,177	29,269	0.7	-0.3	-0.2	29,484	27,954	32,998	28,087	226,647	221,586	2.3
Computers.....	674	710	699	-5.1	1.6	2.3	642	623	978	610	5,251	5,694	-7.8
Computer storage devices.....	462	479	475	-3.5	0.8	3.5	368	286	790	440	3,421	4,550	-24.8
Other peripheral equipment.....	891	952	994	-6.4	-4.2	4.3	708	752	1,463	776	7,280	7,109	2.4
Nondefense communications equipment.....	3,277	3,381	3,410	-3.1	-0.9	2.8	3,231	2,957	4,254	3,180	25,988	25,242	3.0
Defense communications equipment.....	304	313	283	-2.9	10.6	-8.7	287	293	270	350	2,625	2,959	-11.3
Audio and video equipment.....	250	247	249	1.2	-0.8	-1.6	245	230	241	312	1,748	2,392	-26.9
Electronic components.....	4,816	4,863	4,786	-1.0	1.6	3.6	5,117	5,067	5,453	4,002	36,542	29,359	24.5
Nondefense search and navigation equipment.....	1,388	1,357	1,351	2.3	0.4	-1.0	1,401	1,198	1,518	1,220	10,376	9,549	8.7
Defense search and navigation equipment.....	2,780	2,795	2,733	-0.5	2.3	1.2	2,808	2,496	2,932	2,726	20,716	20,153	2.8
Electromedical, measuring, and control instruments.....	9,582	9,433	9,259	1.6	1.9	0.8	9,153	8,584	10,788	8,534	72,418	68,377	5.9
Electrical equipment, appliances, and components.....	10,175	10,378	10,201	-2.0	1.7	-0.9	10,389	10,078	11,139	10,944	82,366	82,931	-0.7
Electric lighting equipment.....	1,000	1,004	960	-0.4	4.6	0.4	1,029	983	964	983	7,529	7,693	-2.1
Household appliances.....	1,600	1,619	1,609	-1.2	0.6	-1.0	1,595	1,552	1,736	1,773	12,934	13,683	-5.5
Electrical equipment.....	3,108	3,216	3,094	-3.4	3.9	-2.8	3,152	3,080	3,599	3,346	25,566	26,428	-2.9
Batteries.....	826	840	875	-1.7	-4.0	3.3	827	749	891	930	6,433	6,729	-4.4
Transportation equipment.....	80,566	80,841	78,457	-0.3	3.0	1.9	81,215	70,097	86,339	74,598	613,750	567,616	8.1
Automobiles.....	8,804	8,935	9,013	-1.5	-0.9	-4.0	8,936	7,292	9,787	8,826	69,982	65,479	6.9
Light trucks and utility vehicles.....	14,049	14,689	13,399	-4.4	9.6	4.0	14,679	11,979	14,470	12,588	104,788	97,042	8.0
Heavy duty trucks.....	3,079	3,203	3,146	-3.9	1.8	1.1	3,102	3,186	3,488	2,821	24,882	20,621	20.7
Motor vehicle bodies, parts, and trailers.....	26,860	26,844	25,745	0.1	4.3	1.4	27,674	24,014	27,512	24,507	207,006	187,432	10.4
Nondefense aircraft and parts.....	15,372	13,916	14,180	10.5	-1.9	-1.3	14,643	12,110	16,696	12,944	110,205	95,449	15.5
Defense aircraft and parts.....	5,069	5,279	5,440	-4.0	-3.0	20.5	4,891	4,505	6,144	4,493	36,692	36,561	0.4
Ships and boats.....	2,742	2,844	2,857	-3.6	-0.5	3.7	2,683	2,597	3,131	2,771	21,972	22,735	-3.4
Furniture and related products.....	6,412	6,471	6,373	-0.9	1.5	1.6	6,895	6,646	6,561	6,520	50,620	47,418	6.8
Miscellaneous durable goods.....	14,282	14,262	14,098	0.1	1.2	0.9	13,822	13,573	15,064	13,371	111,699	107,107	4.3
Nondurable goods industries.....	237,466	240,162	243,452	-1.1	-1.4	0.4	243,722	242,176	251,192	272,815	1,929,695	2,132,268	-9.5
Food products.....	65,989	66,025	65,873	-0.1	0.2	-0.2	66,565	63,642	65,155	67,948	521,206	527,586	-1.2
Grain and oilseed milling.....	8,318	8,382	8,270	-0.8	1.4	-1.9	8,473	8,016	7,845	8,245	64,270	64,814	-0.8
Dairy products.....	9,919	9,897	9,939	0.2	-0.4	-0.7	10,111	9,881	9,929	11,057	79,045	85,697	-7.8
Meat, poultry, and seafood products.....	18,800	18,969	18,983	-0.9	-0.1	-0.9	19,049	18,684	19,384	20,494	152,996	157,487	-2.9
Beverage and tobacco products.....	12,651	12,442	12,490	1.7	-0.4	-0.1	13,052	12,650	13,275	12,708	99,594	98,259	1.4
Beverages.....	8,999	8,950	8,886	0.5	0.7	-0.4	9,400	9,158	9,671	9,248	71,372	71,905	-0.7
Tobacco.....	3,652	3,492	3,604	4.6	-3.1	0.6	3,652	3,492	3,604	3,460	28,222	26,354	7.1
Textile mills.....	2,544	2,559	2,573	-0.6	-0.5	1.7	2,657	2,576	2,727	2,726	20,761	21,302	-2.5
Textile products.....	1,932	1,935	1,902	-0.2	1.7	0.5	2,034	1,978	2,055	2,008	15,608	15,379	1.5
Apparel.....	1,175	1,154	1,127	1.8	2.4	0.2	1,281	1,167	1,070	1,167	8,763	8,261	6.1
Leather and allied products.....	468	463	460	1.1	0.7	-0.6	470	449	483	470	3,720	3,648	2.0
Paper products.....	16,122	16,075	15,977	0.3	0.6	-0.7	16,568	16,404	16,544	16,985	129,024	128,937	0.1
Pulp, paper, and paperboard mills.....	7,117	7,096	7,062	0.3	0.5	-0.6	7,358	7,237	7,227	7,307	57,123	56,248	1.6
Paperboard containers.....	5,225	5,200	5,210	0.5	-0.2	-0.2	5,402	5,468	5,505	5,920	41,969	43,017	-2.4
Printing.....	7,242	7,350	7,263	-1.5	1.2	1.1	7,277	7,072	7,129	7,049	56,668	54,697	3.6
Petroleum and coal products.....	45,813	48,530	52,591	-5.6	-7.7	0.6	49,333	52,312	54,775	75,670	403,296	585,569	-31.1
Petroleum refineries.....	42,188	44,834	49,036	-5.9	-8.6	0.8	45,028	47,991	50,644	70,647	373,508	553,079	-32.5
Chemical products.....	64,298	64,339	63,855	-0.1	0.8	0.8	64,712	64,327	67,271	65,855	515,664	530,592	-2.8
Pesticides, fertilizers, and other agricultural chemicals.....	5,013	4,939	4,693	1.5	5.2	2.8	4,080	4,132	4,999	3,288	41,334	35,894	15.2
Pharmaceuticals and medicines.....	16,565	16,534	15,753	0.2	5.0	2.5	16,812	16,670	16,513	14,271	124,208	117,245	5.9
Paints, coatings, and adhesives.....	3,362	3,294	3,249	2.1	1.4	-2.0	3,532	3,588	3,593	3,402	27,328	26,810	1.9
Plastics and rubber products.....	19,232	19,290	19,341	-0.3	-0.3	1.1	19,773	19,599	20,708	20,229	155,391	158,038	-1.7

^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. 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		
	Aug. 2015 ^P	July 2015 ^f	June 2015	July - Aug.	June - July	May - June	Aug. 2015 ^P	July 2015 ^f	June 2015	Aug. 2014	2015 ^P	2014	% Change 2015/2014
All manufacturing industries ²	472,989	481,206	480,063	-1.7	0.2	2.2	473,193	469,006	510,706	507,622	3,771,182	4,064,510	-7.2
Excluding transportation ²	394,667	397,742	400,478	-0.8	-0.7	0.6	400,099	395,455	420,570	434,712	3,185,620	3,415,893	-6.7
Excluding defense ²	461,974	467,585	469,062	-1.2	-0.3	2.2	465,014	457,644	495,834	499,673	3,687,817	3,968,267	-7.1
With unfilled orders ²	171,414	176,054	173,252	-2.6	1.6	5.2	164,014	166,449	190,317	170,198	1,339,248	1,441,527	-7.1
Durable goods industries ²	235,523	241,044	236,611	-2.3	1.9	4.1	229,471	226,830	259,514	234,807	1,841,487	1,932,242	-4.7
Primary metals.....	20,494	20,513	20,985	-0.1	-2.2	-2.6	20,373	20,073	21,775	23,160	172,617	188,551	-8.5
Iron and steel mills.....	9,623	9,470	9,691	1.6	-2.3	-5.7	9,423	9,200	10,096	10,959	80,626	94,466	-14.7
Aluminum and nonferrous metals.....	9,289	9,444	9,597	-1.6	-1.6	-0.9	9,395	9,266	9,878	10,534	79,067	80,593	-1.9
Ferrous metal foundries.....	1,582	1,599	1,697	-1.1	-5.8	6.7	1,555	1,607	1,801	1,667	12,924	13,492	-4.2
Fabricated metal products.....	29,337	29,879	30,294	-1.8	-1.4	2.0	29,989	29,780	31,578	31,417	240,970	244,851	-1.6
Machinery.....	33,406	33,140	32,658	0.8	1.5	2.4	32,339	31,721	34,993	34,689	261,020	284,642	-8.3
Construction machinery.....	3,560	3,361	3,261	5.9	3.1	1.7	3,336	2,797	3,056	3,210	25,872	24,442	5.9
Mining, oil field, and gas field machinery.....	1,440	1,412	1,377	2.0	2.5	3.5	1,352	1,377	1,637	2,839	13,159	22,940	-42.6
Industrial machinery.....	2,959	2,945	3,021	0.5	-2.5	3.7	2,689	2,781	3,418	2,475	21,335	23,975	-11.0
Photographic equipment.....	541	535	459	1.1	16.6	-4.0	545	529	408	600	4,262	4,497	-5.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,937	3,969	3,940	-0.8	0.7	0.4	3,902	4,186	4,898	4,235	32,058	32,692	-1.9
Metalworking machinery.....	3,203	3,122	2,848	2.6	9.6	-2.7	3,161	3,069	3,042	2,701	22,663	20,424	11.0
Turbines, generators, and other power transmission equipment.....	3,819	3,696	3,758	3.3	-1.6	1.7	3,719	3,609	4,083	3,254	30,059	34,267	-12.3
Material handling equipment.....	2,627	2,905	2,977	-9.6	-2.4	6.2	2,585	2,723	3,028	2,673	21,367	20,343	5.0
Computers and electronic products ²	25,148	25,280	25,026	-0.5	1.0	0.9	23,801	23,068	28,867	22,709	193,721	183,184	5.8
Computers.....	664	671	763	-1.0	-12.1	25.3	632	584	1,042	655	5,359	6,011	-10.8
Nondefense communications equipment.....	3,481	3,726	3,733	-6.6	-0.2	5.2	3,232	3,296	4,055	3,605	28,538	29,081	-1.9
Defense communications equipment.....	295	358	286	-17.6	25.2	-14.9	277	330	301	441	2,735	2,748	-0.5
Electronic components.....	4,759	4,844	4,800	-1.8	0.9	3.1	5,130	5,095	5,383	4,073	36,969	29,671	24.6
Nondefense search and navigation equipment.....	1,682	1,598	1,534	5.3	4.2	-2.8	1,631	1,443	1,794	1,456	12,664	12,012	5.4
Defense search and navigation equipment.....	2,708	2,790	2,489	-2.9	12.1	-4.2	2,422	2,377	2,785	2,317	19,834	19,252	3.0
Electromedical, measuring, and control instruments.....	9,706	9,364	9,495	3.7	-1.4	-0.6	8,876	8,448	10,805	8,433	73,399	68,897	6.5
Electrical equipment, appliances, and components.....	10,187	10,232	10,107	-0.4	1.2	1.3	10,270	9,509	11,188	10,904	82,185	84,978	-3.3
Electric lighting equipment.....	994	1,004	948	-1.0	5.9	0.6	1,009	985	976	979	7,534	7,712	-2.3
Household appliances.....	1,503	1,517	1,603	-0.9	-5.4	0.3	1,450	1,444	1,661	1,735	12,821	13,721	-6.6
Electrical equipment.....	3,190	3,291	3,158	-3.1	4.2	-1.0	3,155	3,164	3,652	3,320	26,333	27,117	-2.9
Transportation equipment.....	78,322	83,464	79,585	-6.2	4.9	10.8	73,094	73,551	90,136	72,910	585,562	648,617	-9.7
Motor vehicle bodies, parts, and trailers.....	26,832	26,933	25,711	-0.4	4.8	1.2	27,707	23,585	27,069	24,980	206,039	188,497	9.3
Nondefense aircraft and parts.....	15,105	16,051	17,568	-5.9	-8.6	69.9	10,680	16,238	20,556	14,211	94,648	169,536	-44.2
Defense aircraft and parts.....	4,580	4,356	5,081	5.1	-14.3	31.1	3,163	3,331	6,655	2,745	29,870	34,405	-13.2
Ships and boats.....	2,426	3,342	2,786	-27.4	20.0	28.0	2,021	2,738	3,316	2,057	19,201	30,641	-37.3
Furniture and related products.....	6,538	6,382	6,291	2.4	1.4	0.3	6,478	6,434	6,475	6,039	51,150	48,141	6.3
Nondurable goods industries.....	237,466	240,162	243,452	-1.1	-1.4	0.4	243,722	242,176	251,192	272,815	1,929,695	2,132,268	-9.5

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

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

² Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

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

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				% Change August 2015/ 2014
	Monthly			Percent Change			Monthly				
	Aug. 2015 ^p	July 2015 ^r	June 2015	July - Aug.	June - July	May - June	Aug. 2015 ^p	July 2015 ^r	June 2015	Aug. 2014	
All manufacturing industries ²	1,195,011	1,197,457	1,195,217	-0.2	0.2	0.0	1,186,044	1,197,712	1,195,851	1,200,582	-1.2
Excluding transportation ²	394,873	395,075	395,458	-0.1	-0.1	-0.2	393,479	397,026	398,619	395,156	-0.4
Excluding defense ²	1,013,097	1,014,186	1,012,617	-0.1	0.2	0.2	1,005,443	1,013,142	1,011,174	1,006,367	-0.1
Durable goods industries ²	1,195,011	1,197,457	1,195,217	-0.2	0.2	0.0	1,186,044	1,197,712	1,195,851	1,200,582	-1.2
Primary metals.....	35,567	35,521	35,718	0.1	-0.6	-0.4	35,096	35,715	36,102	36,247	-3.2
Iron and steel mills.....	18,360	18,261	18,453	0.5	-1.0	-0.7	18,161	18,513	18,865	19,300	-5.9
Aluminum and nonferrous metals.....	12,165	12,167	12,163	0.0	0.0	-0.8	11,925	12,096	12,184	11,921	0.0
Ferrous metal foundries.....	5,042	5,093	5,102	-1.0	-0.2	1.9	5,010	5,106	5,053	5,026	-0.3
Fabricated metal products.....	81,859	82,313	82,256	-0.6	0.1	0.5	82,431	83,536	83,390	83,216	-0.9
Machinery.....	111,474	111,863	112,379	-0.3	-0.5	-1.1	111,048	111,879	112,814	121,551	-8.6
Construction machinery.....	6,181	6,248	6,534	-1.1	-4.4	-5.1	5,986	5,901	6,519	9,361	-36.1
Mining, oil field, and gas field machinery.....	9,460	9,608	9,889	-1.5	-2.8	-3.5	9,548	9,779	10,013	12,845	-25.7
Industrial machinery.....	8,471	8,409	8,424	0.7	-0.2	-2.2	8,471	8,541	8,584	9,732	-13.0
Photographic equipment.....	1,606	1,593	1,596	0.8	-0.2	-5.3	1,636	1,609	1,582	1,769	-7.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,643	7,650	7,647	-0.1	0.0	0.5	7,325	7,521	7,758	6,928	5.7
Metalworking machinery.....	6,690	6,728	6,840	-0.6	-1.6	-1.9	6,626	6,724	6,819	7,692	-13.9
Turbines, generators, and other power transmission equipment.....	32,117	32,347	32,544	-0.7	-0.6	-1.3	32,063	32,425	32,591	35,708	-10.2
Material handling equipment.....	11,957	12,039	11,826	-0.7	1.8	3.2	11,921	12,142	12,082	10,208	16.8
Computers and electronic products ²	134,854	134,380	133,881	0.4	0.4	0.4	134,097	134,536	134,181	124,422	7.8
Computers.....	2,580	2,590	2,629	-0.4	-1.5	2.5	2,580	2,590	2,629	2,306	11.9
Nondefense communications equipment.....	36,559	36,355	36,010	0.6	1.0	0.9	36,303	36,302	35,963	31,992	13.5
Defense communications equipment.....	2,981	2,990	2,945	-0.3	1.5	0.1	3,002	3,012	2,975	3,096	-3.0
Electronic components.....	10,933	10,990	11,009	-0.5	-0.2	0.1	11,026	11,013	10,985	10,691	3.1
Nondefense search and navigation equipment.....	19,715	19,421	19,180	1.5	1.3	1.0	19,803	19,573	19,328	16,583	19.4
Defense search and navigation equipment.....	32,342	32,414	32,419	-0.2	0.0	-0.7	32,017	32,403	32,522	32,473	-1.4
Electromedical, measuring, and control instruments.....	29,744	29,620	29,689	0.4	-0.2	0.8	29,366	29,643	29,779	27,281	7.6
Electrical equipment, appliances, and components.....	22,546	22,534	22,680	0.1	-0.6	-0.4	22,378	22,497	23,066	21,903	2.2
Electric lighting equipment.....	1,097	1,103	1,103	-0.5	0.0	-1.1	1,111	1,131	1,129	1,121	-0.9
Household appliances.....	1,487	1,584	1,686	-6.1	-6.0	-0.4	1,411	1,556	1,664	1,324	6.6
Electrical equipment.....	9,759	9,677	9,602	0.8	0.8	0.7	9,779	9,776	9,692	8,879	10.1
Transportation equipment.....	800,138	802,382	799,759	-0.3	0.3	0.1	792,565	800,686	797,232	805,426	-1.6
Motor vehicle bodies, parts, and trailers.....	21,678	21,706	21,617	-0.1	0.4	-0.2	21,063	21,030	21,459	19,985	5.4
Nondefense aircraft and parts.....	614,094	614,361	612,226	0.0	0.3	0.6	608,219	612,182	608,054	609,372	-0.2
Defense aircraft and parts.....	63,768	64,257	65,180	-0.8	-1.4	-0.5	62,567	64,295	65,469	68,429	-8.6
Ships and boats.....	28,159	28,475	27,977	-1.1	1.8	-0.3	28,182	28,844	28,703	34,579	-18.5
Furniture and related products.....	7,723	7,597	7,686	1.7	-1.2	-1.1	7,579	7,996	8,208	7,070	7.2

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

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

Table 4. Value of Manufacturers' Inventories for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				% Change August 2015/ 2014
	Monthly			Percent Change			Monthly				
	Aug. 2015 ^p	July 2015 ^r	June 2015	July - Aug.	June - July	May - June	Aug. 2015 ^p	July 2015 ^r	June 2015	Aug. 2014	
All manufacturing industries.....	648,385	650,029	651,751	-0.3	-0.3	0.3	652,649	653,831	648,233	659,281	-1.0
Excluding transportation.....	515,862	518,367	519,911	-0.5	-0.3	0.0	519,549	521,092	517,632	533,891	-2.7
Excluding defense.....	619,675	622,121	624,091	-0.4	-0.3	0.2	623,942	625,689	620,551	633,767	-1.6
With unfilled orders.....	327,630	327,646	328,086	0.0	-0.1	0.4	330,324	330,715	326,450	323,172	2.2
Durable goods industries.....	401,173	401,297	402,145	0.0	-0.2	0.4	404,011	404,258	399,493	394,305	2.5
Wood products.....	11,219	11,261	11,267	-0.4	-0.1	0.3	11,105	11,097	11,047	10,535	5.4
Nonmetallic mineral products.....	12,962	13,020	13,098	-0.4	-0.6	-0.5	12,910	13,037	13,252	12,686	1.8
Primary metals.....	36,521	36,991	37,313	-1.3	-0.9	-1.2	36,611	36,981	36,981	38,738	-5.5
Iron and steel mills.....	21,000	21,349	21,611	-1.6	-1.2	-1.1	21,009	21,258	21,370	22,870	-8.1
Aluminum and nonferrous metals.....	13,522	13,631	13,683	-0.8	-0.4	-1.6	13,598	13,714	13,616	13,886	-2.1
Ferrous metal foundries.....	1,999	2,011	2,019	-0.6	-0.4	1.2	2,004	2,001	1,995	1,982	1.1
Fabricated metal products.....	48,940	48,950	49,125	0.0	-0.4	0.1	49,029	49,365	49,137	48,439	1.2
Machinery.....	66,519	66,675	66,879	-0.2	-0.3	-0.1	67,345	67,345	66,437	67,102	0.4
Farm machinery.....	3,232	3,287	3,322	-1.7	-1.1	-1.6	3,139	3,284	3,412	3,768	-16.7
Construction machinery.....	7,154	7,221	7,311	-0.9	-1.2	1.0	7,116	7,189	7,330	5,306	34.1
Mining, oil field, and gas field machinery.....	5,433	5,466	5,489	-0.6	-0.4	-4.0	5,536	5,545	5,545	7,088	-21.9
Industrial machinery.....	6,086	5,990	6,040	1.6	-0.8	0.9	6,138	5,929	6,037	6,401	-4.1
Photographic equipment.....	1,378	1,368	1,380	0.7	-0.9	-0.5	1,434	1,396	1,354	1,414	1.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,305	5,319	5,389	-0.3	-1.3	0.7	5,372	5,424	5,440	5,208	3.1
Metalworking machinery.....	5,592	5,593	5,644	0.0	-0.9	-0.2	5,700	5,662	5,653	5,488	3.9
Turbines, generators, and other power transmission equipment.....	9,975	10,033	10,014	-0.6	0.2	-0.2	10,367	10,249	9,591	10,651	-2.7
Material handling equipment.....	4,216	4,183	4,150	0.8	0.8	0.7	4,339	4,303	4,173	4,022	7.9
Computers and electronic products ²	45,726	46,019	46,055	-0.6	-0.1	0.4	46,500	46,486	45,467	45,112	3.1
Computers.....	1,116	1,209	1,280	-7.7	-5.5	6.7	1,184	1,277	1,278	1,174	0.9
Computer storage devices.....	1,401	1,438	1,510	-2.6	-4.8	-0.4	1,467	1,474	1,431	1,551	-5.4
Other peripheral equipment.....	1,122	1,191	1,259	-5.8	-5.4	-1.5	1,159	1,213	1,225	1,391	-16.7
Nondefense communications equipment.....	4,738	4,765	4,783	-0.6	-0.4	-2.8	4,812	4,745	4,693	5,282	-8.9
Defense communications equipment.....	845	843	831	0.2	1.4	2.2	845	843	831	857	-1.4
Audio and video equipment.....	772	785	829	-1.7	-5.3	3.4	824	794	768	765	7.7
Electronic components.....	8,217	8,283	8,199	-0.8	1.0	1.3	8,229	8,345	8,065	7,398	11.2
Nondefense search and navigation equipment.....	3,503	3,487	3,455	0.5	0.9	1.5	3,560	3,527	3,413	3,289	8.2
Defense search and navigation equipment.....	3,234	3,186	3,110	1.5	2.4	-0.2	3,253	3,265	3,119	2,772	17.4
Electromedical, measuring and control instruments.....	14,427	14,468	14,469	-0.3	0.0	-0.4	14,850	14,674	14,331	15,026	-1.2
Electrical equipment, appliances, and components.....	16,657	16,639	16,591	0.1	0.3	0.3	16,865	16,902	16,639	16,774	0.5
Electric lighting equipment.....	1,848	1,834	1,828	0.8	0.3	0.8	1,878	1,891	1,836	1,887	-0.5
Household appliances.....	2,083	2,078	2,067	0.2	0.5	0.5	2,180	2,162	2,093	2,137	2.0
Electrical equipment.....	4,996	5,016	5,048	-0.4	-0.6	0.2	5,011	5,047	4,987	5,067	-1.1
Batteries.....	1,405	1,399	1,369	0.4	2.2	1.7	1,476	1,453	1,392	1,375	7.3
Transportation equipment.....	132,523	131,662	131,840	0.7	-0.1	1.2	133,100	132,739	130,601	125,390	6.1
Automobiles.....	4,676	4,549	4,961	2.8	-8.3	-2.8	4,634	4,407	4,633	4,458	3.9
Light trucks and utility vehicles.....	4,205	4,212	4,025	-0.2	4.6	2.7	4,210	4,287	3,734	3,602	16.9
Heavy duty trucks.....	1,954	1,963	1,974	-0.5	-0.6	4.5	1,937	1,943	1,946	1,583	22.4
Motor vehicle bodies, parts, and trailers.....	25,130	25,165	25,334	-0.1	-0.7	0.2	25,187	25,311	24,974	23,472	7.3
Nondefense aircraft and parts.....	67,061	66,984	66,739	0.1	0.4	1.2	67,477	67,723	66,621	65,165	3.5
Defense aircraft and parts.....	12,788	12,427	12,433	2.9	0.0	-3.8	12,818	12,557	12,403	13,024	-1.6
Ships and boats.....	2,230	2,216	2,158	0.6	2.7	0.0	2,205	2,166	2,150	2,243	-1.7
Furniture and related products.....	7,274	7,262	7,208	0.2	0.7	0.7	7,430	7,489	7,410	6,926	7.3
Miscellaneous durable goods.....	22,832	22,818	22,769	0.1	0.2	1.3	23,116	22,906	22,522	22,603	2.3
Nondurable goods industries.....	247,212	248,732	249,606	-0.6	-0.4	0.0	248,638	249,573	248,740	264,976	-6.2
Food products.....	53,173	53,058	52,395	0.2	1.3	-1.1	53,714	52,600	50,977	54,065	-0.6
Grain and oilseed milling.....	5,897	5,919	5,936	-0.4	-0.3	1.9	5,698	5,695	5,749	6,013	-5.2
Dairy products.....	8,080	8,026	8,019	0.7	0.1	0.1	8,303	8,312	8,306	8,967	-7.4
Meat, poultry, and seafood products.....	9,326	9,351	8,935	-0.3	4.7	-5.5	9,459	9,375	8,850	9,691	-2.4
Beverage and tobacco products.....	20,198	20,185	20,092	0.1	0.5	0.5	19,531	19,436	19,485	19,002	2.8
Beverages.....	15,872	15,885	15,810	-0.1	0.5	0.3	15,467	15,421	15,406	15,225	1.6
Tobacco.....	4,326	4,300	4,282	0.6	0.4	1.2	4,064	4,015	4,079	3,777	7.6
Textile mills.....	3,243	3,243	3,239	0.0	0.1	-0.2	3,259	3,259	3,249	3,293	-1.0
Textile products.....	2,960	2,950	2,931	0.3	0.6	-1.3	2,973	2,955	2,947	3,103	-4.2
Apparel.....	2,643	2,601	2,514	1.6	3.5	0.4	2,789	2,753	2,559	2,408	15.8
Leather and allied products.....	867	863	866	0.5	-0.3	-1.1	884	871	877	880	0.5
Paper products.....	16,675	16,681	16,670	0.0	0.1	0.6	16,781	16,754	16,610	16,462	1.9
Pulp, paper, and paperboard mills.....	7,372	7,386	7,394	-0.2	-0.1	1.5	7,361	7,362	7,355	6,434	14.4
Paperboard containers.....	4,688	4,660	4,648	0.6	0.3	-0.4	4,727	4,690	4,640	5,319	-11.1
Printing.....	5,716	5,714	5,798	0.0	-1.4	0.7	6,007	5,896	5,870	5,722	5.0
Petroleum and coal products.....	34,669	36,439	38,528	-4.9	-5.4	0.0	35,468	37,546	39,433	51,543	-31.2
Petroleum refineries.....	29,991	31,804	33,799	-5.7	-5.9	0.0	30,812	32,906	34,651	46,601	-33.9
Chemical products.....	82,479	82,395	81,899	0.1	0.6	0.5	82,732	82,948	82,051	83,613	-1.1
Pesticides, fertilizers, and other agricultural chemicals.....	4,706	4,747	4,793	-0.9	-1.0	0.8	4,455	4,409	4,434	4,602	-3.2
Pharmaceuticals and medicines.....	32,413	32,158	31,694	0.8	1.5	0.7	32,479	32,466	32,287	30,943	5.0
Paints, coatings, and adhesives.....	3,652	3,680	3,612	-0.8	1.9	-1.8	3,608	3,724	3,644	3,603	0.1
Plastics and rubber products.....	24,589	24,603	24,674	-0.1	-0.3	0.3	24,500	24,552	24,682	24,885	-1.5

^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			
	Aug. 2015 ⁶	July 2015 ⁷	June 2015	July - Aug.	June - July	May - June	Aug. 2015 ⁶	July 2015 ⁷	June 2015	Aug. 2014	2015 ⁶	2014	
SHIPMENTS													
All manufacturing industries.....	480,143	483,362	484,363	-0.7	-0.2	0.6	490,105	472,386	513,644	517,184	3,838,548	3,998,480	-4.0
Construction materials and supplies.....	46,421	46,461	45,873	-0.1	1.3	0.4	49,754	49,197	50,748	50,619	373,296	371,942	0.4
Information technology.....	24,027	24,155	23,873	-0.5	1.2	0.7	23,427	21,862	27,978	22,832	185,511	180,317	2.9
Computers and related products.....	2,027	2,141	2,168	-5.3	-1.2	3.5	1,718	1,661	3,231	1,826	15,952	17,353	-8.1
Motor vehicle and parts.....	52,792	53,671	51,303	-1.6	4.6	1.0	54,391	46,471	55,257	48,742	406,658	370,574	9.7
Capital goods.....	90,467	89,708	89,636	0.8	0.1	1.8	88,815	83,585	100,119	88,502	698,152	679,895	2.7
Nondefense capital goods ³	80,496	79,241	79,240	1.6	0.0	0.7	78,973	74,240	88,900	78,891	622,681	606,410	2.7
Excluding aircraft.....	69,540	69,844	69,585	-0.4	0.4	1.0	68,375	66,119	77,480	69,964	547,936	543,857	0.8
Defense capital goods ⁴	9,971	10,467	10,396	-4.7	0.7	10.7	9,842	9,345	11,219	9,611	75,471	73,485	2.7
Consumer goods.....	190,071	193,359	195,090	-1.7	-0.9	0.4	195,088	189,377	200,514	216,666	1,529,851	1,691,157	-9.5
Consumer durable goods.....	36,417	37,266	35,891	-2.3	3.8	1.0	36,863	32,011	38,403	34,377	281,421	266,044	5.8
Consumer nondurable goods.....	153,654	156,093	159,199	-1.6	-2.0	0.3	158,225	157,366	162,111	182,289	1,248,430	1,425,113	-12.4
NEW ORDERS													
All manufacturing industries ⁵	472,989	481,206	480,063	-1.7	0.2	2.2	473,193	469,006	510,706	507,622	3,771,182	4,064,510	-7.2
Construction materials and supplies.....	46,215	46,457	46,363	-0.5	0.2	1.6	48,849	49,219	50,785	50,674	374,537	378,347	-1.0
Information technology.....	24,604	24,551	24,208	0.2	1.4	0.7	23,045	21,669	27,900	23,176	190,078	187,709	1.3
Computers and related products.....	2,017	2,102	2,232	-4.0	-5.8	10.4	1,708	1,622	3,295	1,871	16,060	17,670	-9.1
Motor vehicle and parts.....	52,764	53,760	51,269	-1.9	4.9	0.9	54,424	46,042	54,814	49,215	405,691	371,639	9.2
Capital goods.....	88,526	93,280	90,594	-5.1	3.0	9.9	80,338	86,776	102,690	86,976	677,892	772,228	-12.2
Nondefense capital goods ³	79,944	81,970	81,504	-2.5	0.6	10.7	73,852	77,023	90,290	80,474	609,206	694,887	-12.3
Excluding aircraft.....	69,314	69,875	68,540	-0.8	1.9	1.5	66,626	65,193	75,288	69,947	547,206	567,619	-3.6
Defense capital goods ⁴	8,582	11,310	9,090	-24.1	24.4	2.8	6,486	9,753	12,400	6,502	68,686	77,341	-11.2
Consumer goods.....	190,066	193,156	195,051	-1.6	-1.0	0.4	194,891	189,161	200,260	216,470	1,529,541	1,691,159	-9.6
Consumer durable goods.....	36,412	37,063	35,852	-1.8	3.4	0.9	36,666	31,795	38,149	34,181	281,111	266,046	5.7
Consumer nondurable goods.....	153,654	156,093	159,199	-1.6	-2.0	0.3	158,225	157,366	162,111	182,289	1,248,430	1,425,113	-12.4
UNFILLED ORDERS													
All manufacturing industries ⁵	1,195,011	1,197,457	1,195,217	-0.2	0.2	0.0	1,186,044	1,197,712	1,195,851	1,200,582	(X)	(X)	-1.2
Construction materials and supplies.....	54,776	54,982	54,986	-0.4	0.0	0.9	54,883	55,788	55,766	53,955	(X)	(X)	1.7
Information technology.....	135,730	135,153	134,757	0.4	0.3	0.2	134,784	135,166	135,359	126,079	(X)	(X)	6.9
Computers and related products.....	2,580	2,590	2,629	-0.4	-1.5	2.5	2,580	2,590	2,629	2,306	(X)	(X)	11.9
Motor vehicle and parts.....	21,678	21,706	21,617	-0.1	0.4	-0.2	21,063	21,030	21,459	19,985	(X)	(X)	5.4
Capital goods.....	910,238	912,179	908,607	-0.2	0.4	0.1	903,974	912,451	909,260	915,591	(X)	(X)	-1.3
Nondefense capital goods ³	761,373	761,925	759,196	-0.1	0.4	0.3	755,519	760,640	757,857	755,244	(X)	(X)	0.0
Excluding aircraft.....	246,351	246,577	246,546	-0.1	0.0	-0.4	245,636	247,385	248,311	245,287	(X)	(X)	0.1
Defense capital goods ⁴	148,865	150,254	149,411	-0.9	0.6	-0.9	148,455	151,811	151,403	160,347	(X)	(X)	-7.4
Consumer goods.....	5,231	5,236	5,439	-0.1	-3.7	-0.7	4,953	5,150	5,366	4,589	(X)	(X)	7.9
Consumer durable goods.....	5,231	5,236	5,439	-0.1	-3.7	-0.7	4,953	5,150	5,366	4,589	(X)	(X)	7.9
TOTAL INVENTORIES													
All manufacturing industries.....	648,385	650,029	651,751	-0.3	-0.3	0.3	652,649	653,831	648,233	659,281	(X)	(X)	-1.0
Construction materials and supplies.....	65,337	65,490	65,869	-0.2	-0.6	0.1	65,272	65,754	65,944	63,985	(X)	(X)	2.0
Information technology.....	38,991	39,180	39,315	-0.5	-0.3	-0.2	39,841	39,682	38,901	39,976	(X)	(X)	-0.3
Computers and related products.....	3,639	3,838	4,049	-5.2	-5.2	1.4	3,810	3,964	3,934	4,116	(X)	(X)	-7.4
Motor vehicle and parts.....	35,965	35,889	36,294	0.2	-1.1	0.3	35,968	35,948	35,287	33,115	(X)	(X)	8.6
Capital goods.....	199,992	199,801	199,790	0.1	0.0	0.8	202,220	201,904	199,094	197,456	(X)	(X)	2.4
Nondefense capital goods ³	176,336	176,849	177,066	-0.3	-0.1	0.5	178,597	178,848	176,318	176,927	(X)	(X)	0.9
Excluding aircraft.....	120,492	120,945	121,397	-0.4	-0.4	0.1	122,381	122,171	120,577	122,769	(X)	(X)	-0.3
Defense capital goods ⁴	23,656	22,952	22,724	3.1	1.0	3.6	23,623	23,056	22,776	20,529	(X)	(X)	15.1
Consumer goods.....	185,948	187,158	187,971	-0.6	-0.4	0.0	187,302	187,601	186,514	198,711	(X)	(X)	-5.7
Consumer durable goods.....	29,588	29,394	29,514	0.7	-0.4	0.7	29,886	29,422	28,648	28,132	(X)	(X)	6.2
Consumer nondurable goods.....	156,360	157,764	158,457	-0.9	-0.4	-0.1	157,416	158,179	157,866	170,579	(X)	(X)	-7.7

X Not Applicable ⁶ Preliminary ⁷ 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 August 2015/ 2014
	Aug. 2015 ^p	July 2015 ^f	June 2015	July - Aug.	June - July	May - June	Aug. 2015 ^p	July 2015 ^f	June 2015	Aug. 2014	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	213,815	214,325	215,955	-0.2	-0.8	0.1	214,305	215,333	214,322	219,334	-2.3
Durable goods industries.....	133,493	133,331	134,456	0.1	-0.8	0.2	134,236	134,020	133,075	134,445	-0.2
Wood products.....	4,496	4,518	4,523	-0.5	-0.1	-0.9	4,493	4,443	4,294	4,267	5.3
Nonmetallic mineral products.....	4,990	5,065	5,096	-1.5	-0.6	-0.5	5,002	5,097	5,117	4,853	3.1
Primary metals.....	13,932	14,100	14,248	-1.2	-1.0	-2.1	13,901	14,077	14,085	14,829	-6.3
Fabricated metal products.....	17,594	17,640	17,835	-0.3	-1.1	0.3	17,592	17,807	17,752	18,185	-3.3
Machinery.....	26,067	26,248	26,477	-0.7	-0.9	0.0	26,402	26,768	26,437	26,233	0.6
Computers and electronic products.....	18,936	18,991	19,086	-0.3	-0.5	0.9	19,054	19,074	18,813	18,741	1.7
Electrical equipment, appliances, and components.....	6,599	6,589	6,508	0.2	1.2	0.0	6,654	6,656	6,473	7,021	-5.2
Transportation equipment.....	29,381	28,660	29,233	2.5	-2.0	1.1	29,523	28,434	28,625	28,974	1.9
Furniture and related products.....	3,783	3,801	3,750	-0.5	1.4	0.8	3,814	3,872	3,802	3,545	7.6
Miscellaneous products.....	7,715	7,719	7,700	-0.1	0.2	0.9	7,801	7,792	7,677	7,797	0.1
Nondurable goods industries.....	80,322	80,994	81,499	-0.8	-0.6	0.0	80,069	81,313	81,247	84,889	-5.7
Food products.....	17,871	17,889	17,923	-0.1	-0.2	-0.2	17,612	17,780	17,567	17,953	-1.9
Beverage and tobacco products.....	5,127	5,145	5,133	-0.3	0.2	0.0	4,919	4,916	4,982	4,804	2.4
Textiles.....	1,181	1,181	1,171	0.0	0.9	-0.3	1,190	1,188	1,177	1,151	3.4
Textile products.....	1,113	1,112	1,106	0.1	0.5	-3.3	1,114	1,114	1,113	1,168	-4.6
Apparel.....	888	873	851	1.7	2.6	0.7	905	894	873	702	28.9
Leather and allied products.....	255	253	251	0.8	0.8	1.2	261	256	252	269	-3.0
Paper products.....	8,584	8,589	8,561	-0.1	0.3	0.2	8,595	8,644	8,514	8,328	3.2
Printing.....	2,757	2,766	2,799	-0.3	-1.2	-0.8	2,831	2,835	2,828	2,769	2.2
Petroleum and coal products.....	7,684	8,191	8,568	-6.2	-4.4	0.0	7,730	8,371	8,935	11,268	-31.4
Chemical products.....	25,031	25,124	25,205	-0.4	-0.3	0.4	25,090	25,364	25,152	26,201	-4.2
Plastics and rubber products.....	9,831	9,871	9,931	-0.4	-0.6	-0.1	9,822	9,951	9,854	10,276	-4.4
WORK IN PROCESS											
All manufacturing industries.....	206,598	206,583	206,653	0.0	0.0	1.0	206,843	207,759	205,346	206,175	0.3
Durable goods industries.....	158,391	158,145	158,086	0.2	0.0	0.9	159,638	160,087	157,753	151,980	5.0
Wood products.....	2,336	2,355	2,376	-0.8	-0.9	1.4	2,312	2,361	2,385	2,102	10.0
Nonmetallic mineral products.....	1,503	1,493	1,497	0.7	-0.3	-0.6	1,495	1,513	1,528	1,340	11.6
Primary metals.....	11,277	11,403	11,471	-1.1	-0.6	0.4	11,404	11,539	11,378	11,579	-1.5
Fabricated metal products.....	12,995	12,987	13,073	-0.1	-0.7	-0.3	13,174	13,133	13,040	13,526	-2.6
Machinery.....	19,834	19,613	19,491	1.1	0.6	-0.3	20,214	19,628	19,200	19,725	2.5
Computers and electronic products.....	15,587	15,745	15,724	-1.0	0.1	1.2	15,828	16,140	15,802	14,782	7.1
Electrical equipment, appliances, and components.....	3,874	3,887	3,965	-0.3	-2.0	0.5	3,923	3,924	3,981	3,792	3.5
Transportation equipment.....	86,009	85,727	85,551	0.3	0.2	1.5	86,221	86,849	85,481	80,586	7.0
Furniture and related products.....	1,033	1,036	1,047	-0.3	-1.1	-3.0	1,042	1,056	1,061	1,014	2.8
Miscellaneous products.....	3,943	3,899	3,891	1.1	0.2	1.5	4,025	3,944	3,897	3,534	13.9
Nondurable goods industries.....	48,207	48,438	48,567	-0.5	-0.3	1.2	47,205	47,672	47,593	54,195	-12.9
Food products.....	6,009	5,907	5,661	1.7	4.3	0.4	5,479	5,334	5,102	4,988	9.8
Beverage and tobacco products.....	7,454	7,372	7,310	1.1	0.8	1.1	6,758	6,592	6,704	6,532	3.5
Textiles.....	759	760	767	-0.1	-0.9	0.1	771	768	766	821	-6.1
Textile products.....	455	453	442	0.4	2.5	-1.3	458	455	438	447	2.5
Apparel.....	328	328	328	0.0	0.0	0.6	346	359	352	355	-2.5
Leather and allied products.....	107	99	99	8.1	0.0	6.5	106	98	95	90	17.8
Paper products.....	1,358	1,338	1,346	1.5	-0.6	2.6	1,373	1,348	1,347	1,310	4.8
Printing.....	1,359	1,359	1,386	0.0	-1.9	3.4	1,512	1,422	1,355	1,424	6.2
Petroleum and coal products.....	9,505	9,915	11,066	-4.1	-10.4	4.4	9,751	10,211	11,092	17,249	-43.5
Chemical products.....	18,172	18,192	17,441	-0.1	4.3	-0.6	17,955	18,356	17,620	18,283	-1.8
Plastics and rubber products.....	2,701	2,715	2,721	-0.5	-0.2	0.6	2,696	2,729	2,722	2,696	0.0
FINISHED GOODS											
All manufacturing industries.....	227,972	229,121	229,143	-0.5	0.0	-0.2	231,501	230,739	228,565	233,772	-1.0
Durable goods industries.....	109,289	109,821	109,603	-0.5	0.2	0.0	110,137	110,151	108,665	107,880	2.1
Wood products.....	4,387	4,388	4,368	0.0	0.5	1.1	4,300	4,293	4,368	4,166	3.2
Nonmetallic mineral products.....	6,469	6,462	6,505	0.1	-0.7	-0.6	6,413	6,427	6,607	6,493	-1.2
Primary metals.....	11,312	11,488	11,594	-1.5	-0.9	-1.5	11,306	11,357	11,518	12,330	-8.3
Fabricated metal products.....	18,351	18,323	18,217	0.2	0.6	0.1	18,263	18,425	18,345	16,728	9.2
Machinery.....	20,618	20,814	20,911	-0.9	-0.5	-0.1	20,729	20,868	20,800	21,144	-2.0
Computers and electronic products.....	11,203	11,283	11,245	-0.7	0.3	-1.4	11,618	11,272	10,852	11,589	0.3
Electrical equipment, appliances, and components.....	6,184	6,163	6,118	0.3	0.7	0.4	6,288	6,322	6,185	5,961	5.5
Transportation equipment.....	17,133	17,275	17,056	-0.8	1.3	0.2	17,356	17,456	16,495	15,830	9.6
Furniture and related products.....	2,458	2,425	2,411	1.4	0.6	2.3	2,574	2,561	2,547	2,367	8.7
Miscellaneous products.....	11,174	11,200	11,178	-0.2	0.2	1.5	11,290	11,170	10,948	11,272	0.2
Nondurable goods industries.....	118,683	119,300	119,540	-0.5	-0.2	-0.4	121,364	120,588	119,900	125,892	-3.6
Food products.....	29,293	29,262	28,811	0.1	1.6	-1.9	30,623	29,486	28,308	31,124	-1.6
Beverage and tobacco products.....	7,617	7,668	7,649	-0.7	0.2	0.3	7,854	7,928	7,799	7,666	2.5
Textiles.....	1,303	1,302	1,301	0.1	0.1	-0.3	1,298	1,306	1,306	1,321	-1.7
Textile products.....	1,392	1,385	1,383	0.5	0.1	0.4	1,401	1,386	1,396	1,488	-5.8
Apparel.....	1,427	1,400	1,335	1.9	4.9	0.1	1,538	1,500	1,334	1,351	13.8
Leather and allied products.....	505	511	516	-1.2	-1.0	-3.6	517	517	530	521	-0.8
Paper products.....	6,733	6,754	6,763	-0.3	-0.1	0.6	6,813	6,762	6,749	6,824	-0.2
Printing.....	1,600	1,589	1,613	0.7	-1.5	0.9	1,664	1,639	1,687	1,529	8.8
Petroleum and coal products.....	17,480	18,333	18,894	-4.7	-3.0	-2.3	17,987	18,964	19,406	23,026	-21.9
Chemical products.....	39,276	39,079	39,253	0.5	-0.4	1.0	39,687	39,228	39,279	39,129	1.4
Plastics and rubber products.....	12,057	12,017	12,022	0.3	0.0	0.6	11,982	11,872	12,106	11,913	0.6

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

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			
	Aug 2015 ³	Jul 2015 ¹	Jun 2015	May 2015	Aug 2015 ³	Jul 2015 ¹	Jun 2015	May 2015
	All manufacturing industries ³	1.35	1.34	1.35	1.35	(X)	(X)	(X)
Durable goods industries ³	1.65	1.65	1.67	1.68	6.87	6.89	6.92	6.99
Wood products.....	1.38	1.39	1.42	1.44	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.34	1.33	1.36	1.39	(X)	(X)	(X)	(X)
Primary metals.....	1.79	1.79	1.77	1.77	1.74	1.72	1.69	1.68
Fabricated metal products.....	1.64	1.64	1.64	1.64	2.83	2.84	2.84	2.82
Machinery.....	1.97	1.98	1.97	2.00	3.58	3.59	3.58	3.66
Computers and electronic products ³	1.56	1.58	1.57	1.56	5.91	5.88	5.94	6.01
Electrical equipment, appliances, and components.....	1.64	1.60	1.63	1.61	2.41	2.36	2.43	2.41
Transportation equipment.....	1.64	1.63	1.68	1.69	14.65	14.86	15.12	15.47
Furniture and related products.....	1.13	1.12	1.13	1.14	1.40	1.37	1.41	1.45
Miscellaneous products.....	1.60	1.60	1.62	1.61	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.04	1.04	1.03	1.03	(X)	(X)	(X)	(X)
Food products.....	0.81	0.80	0.80	0.80	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.60	1.62	1.61	1.60	(X)	(X)	(X)	(X)
Textiles.....	1.27	1.27	1.26	1.28	(X)	(X)	(X)	(X)
Textile products.....	1.53	1.52	1.54	1.57	(X)	(X)	(X)	(X)
Apparel.....	2.25	2.25	2.23	2.23	(X)	(X)	(X)	(X)
Leather and allied products.....	1.85	1.86	1.88	1.89	(X)	(X)	(X)	(X)
Paper products.....	1.03	1.04	1.04	1.03	(X)	(X)	(X)	(X)
Printing.....	0.79	0.78	0.80	0.80	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.76	0.75	0.73	0.74	(X)	(X)	(X)	(X)
Chemical products.....	1.28	1.28	1.28	1.29	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.28	1.28	1.28	1.29	(X)	(X)	(X)	(X)

X Not Applicable ¹ Preliminary ² 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	
	Aug ² 2015	Aug ³ 2014- Jul 2015	Aug ² 2015	Aug ³ 2014- Jul 2015	Aug ² 2015	Aug ³ 2014- Jul 2015	Aug ² 2015	Aug ³ 2014- Jul 2015
	All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)
Durable goods industries.....	-0.2	0.2	-0.3	0.6	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.3	0.5	-0.2	1.1	-0.1	0.5	0.0	0.4
Fabricated metal products.....	-0.1	0.2	0.0	0.3	0.0	0.1	-0.1	0.2
Machinery.....	-0.1	0.6	-0.2	0.7	0.0	0.1	0.0	0.2
Computers and electronic products.....	-0.1	0.3	-0.3	0.6	0.0	0.1	-0.2	0.2
Electrical equipment, appliances, and components.....	-0.1	0.4	0.2	0.9	0.2	0.3	-0.2	0.2
Transportation equipment.....	-0.2	0.4	-0.4	1.2	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.4	(X)	0.6	(X)	0.6	(X)	0.3
Miscellaneous products.....	(X)	0.7	(X)	0.8	(X)	0.4	(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)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Textiles.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	2.2	(X)	(NA)	(X)	(NA)	(X)	0.6
Apparel.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	1.0
Leather and allied products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.6
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)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2

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>.