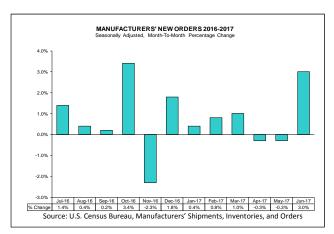
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MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS JUNE 2017

Release Number: CB 17-119 M3-2 (17)-06

August 3, 2017 — The U.S. Census Bureau announces the June full report on manufacturers' shipments, inventories and orders:





Summary

New orders for manufactured goods in June, up following two consecutive monthly decreases, increased \$14.0 billion or 3.0 percent to \$481.1 billion, the U.S. Census Bureau reported today. This followed a 0.3 percent May decrease. Shipments, down following two consecutive monthly increases, decreased \$0.9 billion or 0.2 percent to \$471.5 billion. This followed a 0.3 percent May increase. Unfilled orders, up three of the last four months, increased \$14.2 billion or 1.3 percent to \$1,135.7 billion. This followed a 0.1 percent May decrease. The unfilled orders-to-shipments ratio was 6.83, up from 6.74 in May. Inventories, up seven of the last eight months, increased \$1.0 billion or 0.2 percent to \$649.1 billion. This followed a 0.2 percent May decrease. The inventories-to-shipments ratio was 1.38, up from 1.37 in May.

New Orders

New orders for manufactured durable goods in June, up following two consecutive monthly decreases, increased \$14.8 billion or 6.4 percent to \$245.8 billion, down from the previously published 6.5 percent increase. This followed a virtually unchanged May decrease. Transportation equipment, also up following two consecutive monthly decreases, led the increase, \$14.7 billion or 19.0 percent to \$91.7 billion. New orders for manufactured nondurable goods decreased \$0.8 billion or 0.3 percent to \$235.3 billion.

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832

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Shipments

Shipments of manufactured durable goods in June, down three of the last four months, decreased \$0.1 billion or virtually unchanged to \$236.2 billion, virtually unchanged from the previously published decrease. This followed a 1.3 percent May increase. Transportation equipment, down five of the last six months, drove the decrease, \$0.4 billion or 0.5 percent to \$78.8 billion. Shipments of manufactured nondurable goods, down three of the last four months, decreased \$0.8 billion or 0.3 percent to \$235.3 billion. This followed a 0.6 percent May decrease. Petroleum and coal products, down five consecutive months, drove the decrease, \$1.1 billion or 2.7 percent to \$39.8 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in June, up three of the last four months, increased \$14.2 billion or 1.3 percent to \$1,135.7 billion, virtually unchanged from the previously published increase. This followed a 0.1 percent May decrease. Transportation equipment, also up three of the last four months, led the increase, \$12.8 billion or 1.7 percent to \$776.8 billion.

Inventories

Inventories of manufactured durable goods in June, up eleven of the last twelve months, increased \$1.8 billion or 0.5 percent to \$397.4 billion, up from the previously published 0.4 percent increase. This followed a 0.2 percent May increase. Machinery, up seven of the last eight months, led the increase, \$0.9 billion or 1.3 percent to \$68.4 billion. Inventories of manufactured nondurable goods, down four consecutive months, decreased \$0.8 billion or 0.3 percent to \$251.7 billion. This followed a 0.7 percent May decrease. Petroleum and coal products, also down four consecutive months, drove the decrease, \$1.2 billion or 3.4 percent to \$33.4 billion. By stage of fabrication, June materials and supplies increased 0.6 percent in durable goods and decreased 0.6 percent in nondurable goods. Work in process decreased 0.1 percent in durable goods and decreased 0.5 percent in nondurable goods. Finished goods increased 1.1 percent in durable goods and decreased 0.5 percent in nondurable goods.

The Advance Report on durable goods for July is scheduled for release on August 25, 2017 at 8:30 a.m. EDT and the Full Report on September 5, 2017 at 10:00 a.m. EDT. View the full schedule in the Economic Briefing Room: www.census.gov/economic-indicators/>. The full text and tables of this release can be found at www.census.gov/m3>.

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EXPLANATORY NOTES

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

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

Description of the survey

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 5,000 reporting units that represent approximately 3,100 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-tomonth changes of the total operations of the reporting units in the M3 panel effectively represent the monthto-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 64 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 57 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: <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

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America's Economy Mobile App

The America's Economy app provides real-time updates for 19 key economic indicators released from the Census Bureau, Bureau of Labor Statistics, and Bureau of Economic Analysis.

<www.census.gov/mobile/economy/>.

API

The Census Bureau's application programming interface (API) lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before.

<<u>www.census.gov/developers/</u>>.



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Table 1. Value of Manufacturers' Shipments for Industry Groups¹

Listinates are shown in minions of dor	Seasonally Adjusted						Not Seasonally Adjusted						
		Monthly	,	_	cent Cha	nge		noM	nthly			Year to date	
Industry									,				% Change
•	June	May	Apr.	May -	Apr	Mar	June	May	Apr.	June			2017/
	2017 ^p	2017 ^r	2017	June	May	Apr.	2017 ^p	2017 ^r	2017	2016	2017 ^p	2016	2016
All manufacturing industries Excluding transportation	471,535 392,690	472,418 393,167	470,922 393,521	-0.2 -0.1	0.3 -0.1	0.0 0.1	501,588 414,411	489,418 407,644	460,979 387,634	482,278 396,928	2,821,017 2,347,069	2,698,671 2,225,837	4.5 5.4
Excluding defense	459,447	460,136	458,851	-0.1	0.3	0.1	488,177	477,627	450,044	469,429	2,749,480	2,632,018	4.5
With unfilled orders	166,250	166,358	164,416	-0.1	1.2	-0.1	182,592	171,328	157,574	173,938	990,153	951,281	4.1
Durable goods industries	236,249	236,344	233,336	0.0	1.3	-0.2	257,964	243,272	225,345	247,098	1,409,688	1,368,451	3.0
Wood products	9,087	9,060	9,219	0.3	-1.7	-0.1	10,073	9,924	9,680	9,283	55,130	50,415	9.4
Nonmetallic mineral products	10,550	10,586	10,558	-0.3	0.3	-0.6	11,653	11,264	10,309	11,435	61,980	60,618	2.2
Primary metals	19,308	19,395	19,172	-0.4	1.2	0.0	20,466	20,504	19,071	18,613	117,331	106,364	10.3
Iron and steel mills	9,152	9,166	9,070	-0.2	1.1	0.7	9,682	9,698	9,022	8,650	54,867	49,621	10.6
Aluminum and nonferrous metals Ferrous metal foundries	8,874 1,282	8,927 1,302	8,833 1,269	-0.6 -1.5	1.1 2.6	-0.3 -2.2	9,334 1,450	9,432 1,374	8,805 1,244	8,437 1,526	54,563 7,901	48,391 8,352	12.8 -5.4
Fabricated metal products	31,994	31,887	31,176	0.3	2.3	0.0	34,224	33,381	30,522	31,377	188,496	176,030	7.1
Machinery	30,918	30,914	30,774	0.0	0.5	0.3	34,010	32,251	30,745	32,236	186,678	182,894	2.1
Farm machinery	2,704 1,970	2,608 2,023	2,531 1,997	3.7 -2.6	3.0 1.3	-1.6 -0.2	2,756 2,135	2,849 2,178	3,173 2,059	2,469 2,097	17,216 12,219	16,463 12,410	4.6 -1.5
Construction machinery Mining, oil field, and	1,970	2,023	1,551	-2.0	1.3	-0.2	2,133	2,170	2,009	2,097	12,219	12,410	-1.5
gas field machinery	1,016	1,009	983	0.7	2.6		1,042	994	913	865	5,713	6,806	-16.1
Industrial machinery	2,864	2,855	2,928	0.3	-2.5	1.8	3,283	2,751	2,690	3,109	16,797	16,392	2.5
Photographic equipmentVentilation, heating, air-conditioning,	589	573	584	2.8	-1.9	3.4	657	550	510	618	3,298	3,284	0.4
and refrigeration equipment	3,678	3,709	3,783	-0.8	-2.0	-1.3	4,694	4,059	3,564	4,632	22,621	21,924	3.2
Metalworking machinery	3,044	2,933	2,989	3.8	-1.9	0.5	3,259	2,965	2,674	2,960	17,390	16,123	7.9
Turbines, generators, and other	2 044	4.050	2 00 1			0.0	4.040	4 005	4.070	0 770	00 500	22.000	0.0
power transmission equipment Material handling equipment	3,911 2,817	4,050 2,783	3,934 2,808	-3.4 1.2	2.9 -0.9	2.2 1.4	4,049 2,942	4,265 2,867	4,078 2,658	3,779 2,771	23,563 16,505	23,090 15,588	2.0 5.9
Computers and electronic products ²	26,610	26,412	26,310	0.7	0.4	-0.3	29,472	24,931	23,960	28,355	154,605	147,642	4.7
Computers	703	741	743	-5.1	-0.3	-1.1	891	688	693	921	4,279	4,201	1.9
Computer storage devices	683	667	697	2.4	-4.3	6.3	1,156	497	445	1,094	4,016	3,927	2.3
Other peripheral equipment Nondefense communications	524	545	543	-3.9	0.4	6.7	740	530	428	796	3,193	3,604	-11.4
equipment	2,742	2,740	2,722	0.1	0.7	-1.9	3,438	2,623	2,305	3,404	15,950	15,359	3.8
Defense communications equipment	236	247	232	-4.5	6.5	-2.5	239	240	232	242	1,394	1,439	-3.1
Audio and video equipment	318	327	325	-2.8	0.6		315	316	273	304	1,758	1,681	4.6
Electronic components Nondefense search and navigation	3,980	3,948	3,918	0.8	8.0	-3.1	4,507	4,069	3,748	4,324	23,479	22,242	5.6
equipment	1,432	1,439	1,461	-0.5	-1.5	2.6	1,553	1,494	1,264	1,464	8,504	7,856	8.2
Defense search and navigation													
equipment	2,586	2,587	2,648	0.0	-2.3	2.5	2,773	2,495	2,479	2,745	15,106	14,163	6.7
Electromedical, measuring, and control instruments	8,569	8,569	8,637	0.0	-0.8	1.2	9,762	8,288	7,840	9,537	50,424	49,265	2.4
Electrical equipment, appliances,	.,	-,	-,				-, -	-,	,	-,		.,	
and components	10,061	10,063	10,045	0.0	0.2	-1.0	10,902	10,234	9,599	10,657	59,502	58,521	1.7
Electric lighting equipment	1,116 1,565	1,130 1,560	1,091 1,572	-1.2 0.3	3.6 -0.8	-1.3 -1.1	1,094 1,685	1,106 1,634	1,037 1,519	1,062 1,778	6,341 9,255	6,271 9,831	1.1 -5.9
Electrical equipment	2,644	2,674	2,730	-1.1	-2.1	-1.2	3,062	2,741	2,529	3,309	16,467	17,444	-5.6
Batteries	872	933	898	-6.5	3.9	0.0	880	919	806	943	5,093	5,254	-3.1
Transportation equipment	78,845 7,883	79,251 8,244	77,401 8,305	-0.5 -4.4	2.4 -0.7	-0.2 6.2	87,177 8,702	81,774 8,716	73,345 7,862	85,350 10,183	473,948 49,549	472,834 58,638	0.2 -15.5
Light trucks and utility vehicles	16,345	16,316	15,608	0.2	4.5	-2.9	17,414	16,480	14,893	15,767	97,965	92,651	5.7
Heavy duty trucks	2,447	2,451	2,324	-0.2	5.5	2.6	2,773	2,680	2,258	2,521	14,115	14,782	-4.5
Motor vehicle bodies, parts,	27,556	27,535	27,384	0.1	0.6	0.9	29,772	29,194	27,006	28,311	168,662	161.559	4.4
and trailers Nondefense aircraft and parts	12,048	11,946	11,319	0.1	5.5	-2.4	14,485	11,812	9,634	14,863	68,553	72,393	-5.3
Defense aircraft and parts	4,094	4,085	3,823	0.2	6.9		4,854	3,947	3,240	4,510	23,072	22,856	0.9
Ships and boats	3,087	3,214	3,103		3.6	-1.5	3,308	3,256	3,012	3,042	18,560	18,147	2.3
Furniture and related products Miscellaneous durable goods	6,434 12,442	6,465 12,311	6,434 12,247	-0.5 1.1	0.5 0.5	-0.5 -0.1	6,634 13,353	6,462 12,547	6,254 11,860	6,504 13,288	38,256 73,762	37,768 75,365	1.3 -2.1
Nondurable goods industries	235,286	236,074	237,586	-0.3	-0.6	0.2	243,624	246,146	235,634	235,180	1,411,329	1,330,220	6.1
Food products	68,598	68,716	68,408	-0.2	0.5		68,113	68,632	66,420	64,397	400,574	382,915	4.6
Grain and oilseed milling Dairy products	7,613 9,847	7,547 9,877	7,463 9,905	0.9 -0.3	1.1 -0.3	-0.1 0.6	7,219 9,712	7,259 9,955	6,884 9,531	7,118 8,972	43,672 57,933	42,674 54,418	2.3 6.5
Meat, poultry, and seafood products	19,884	19,939	19,501	-0.3	2.2	-0.1	20,627	20,403	19,429	19,301	116,033	110,989	4.5
Beverage and tobacco products	13,412	13,386	13,357	0.2	0.2	-0.5	14,016	13,974	13,105	14,384	78,740	78,584	0.2
Beverages	9,509 3,903	9,500 3,886	9,617 3,740	0.1 0.4	-1.2 3.9	-0.8 0.3	10,113 3,903	10,088 3,886	9,365 3,740	10,903	56,630 22,110	58,719 19,865	-3.6 11.3
Tobacco Textile mills	2,622	2,633	2,608	-0.4	1.0	0.6	2,795	2,753	2,654	3,481 2,681	15,912	15,256	4.3
Textile products	2,229	2,217	2,197	0.5	0.9	0.1	2,411	2,304	2,271	2,327	13,379	13,077	2.3
Apparel	1,086	1,071	1,038	1.4	3.2	2.8	1,037	1,007	901	940	5,829	5,498	6.0
Leather and allied products Paper products	381 15,854	385 15,812	384 15,577	-1.0 0.3	0.3 1.5	0.0 -0.9	402 16,343	390 16,359	391 15,005	397 15,923	2,343 93,737	2,313 92,726	1.3 1.1
Pulp, paper, and paperboard mills	6,560	6,649	6,526	-1.3	1.9	-1.0	6,661	6,811	6,294	6,672	39,167	39,203	-0.1
Paperboard containers	5,421	5,393	5,351	0.5	0.8	-1.5	5,670	5,540	5,159	5,440	32,294	31,230	3.4
Printing	6,283	6,293	6,331	-0.2 -2.7	-0.6 -3.8	-1.4 -0.2	6,210 42,782	6,556 44,604	6,282	6,745 38,993	37,827	40,585	-6.8 27.8
Petroleum and coal products Petroleum refineries	39,795 35,854	40,891 36,893	42,498 38,407	-2.7 -2.8	-3.8 -3.9	-0.2 -0.5	42,782 38,201	40,242	43,419 39,544	34,843	248,495 225,857	194,513 174,081	27.8
Chemical products	64,980	64,676	65,253	0.5	-0.9		67,748	68,475	65,470	66,840	393,887	384,386	2.5
Pesticides, fertilizers, and other	0.000	0.740	0.700			0.0	0.045	0.440	0.740	0.450	00.070	00.404	445
agricultural chemicals Pharmaceuticals and medicines	2,899 22,050	2,746 21,946	2,799 21,872	5.6 0.5	-1.9 0.3	-3.8 1.6	3,045 22,602	3,442 23,174	3,743 21,337	3,456 21,481	20,076 130,210	23,481 122,759	-14.5 6.1
Paints, coatings, and adhesives	3,790	3,814	3,756	-0.6	1.5	1.1	4,208	4,340	4,022	3,937	23,173	22,147	4.6
Plastics and rubber products	20,046	19,994	19,935	0.3	0.3	0.2	21,767	21,092	19,716	21,553	120,606	120,367	0.2

^p Preliminary

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

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

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/m3/5.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2017. Information on data sources and methodology can be found on our website at http://www.census.gov/manufacturing/m3/how_he_data_are_collected/index.htmls.

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

			Seasonally				ipments, Inventories, and Orders Survey.] Not Seasonally Adjusted						
	Monthly			Per	rcent Chan	ge		Mon	thly		١	ear to date	
Industry	June 2017 ^p	May 2017 ^r	Apr. 2017	May - June	Apr May	Mar Apr.	June 2017 ^p	May 2017 ^r	Apr. 2017	June 2016	2017 ^p	2016	% Change 2017/ 2016
All manufacturing industries ²	481,081	467,050	468,572	3.0	-0.3	-0.3	510,822	478,615	457,343	468,024	2,810,315	2,661,498	5.6
Excluding transportation ²	389,399	390,024	390,332	-0.2	-0.1	0.0	409,005	404,568	386,218	390,973	2,338,644	2,213,518	5.7
Excluding defense ²	469,488	455,743	455,999	3.0	-0.1	-0.3	496,151	469,798	445,604	455,151	2,740,459	2,594,564	5.6
With unfilled orders ²	180,484	165,434	166,284	9.1	-0.5	-1.1	195,780	164,066	158,045	163,020	1,004,972	936,818	7.3
Durable goods industries ²	245,795	230,976	230,986	6.4	0.0	-0.8	267,198	232,469	221,709	232,844	1,398,986	1,331,278	5.1
Primary metals	19,430	19,399	19,408	0.2	0.0	0.2	20,303	20,104	19,289	18,177	118,500	107,567	10.2
Iron and steel mills	9,385	9,284	8,950	1.1	3.7	-1.3	9,815	9,638	8,945	8,452	55,742	51,195	8.9
Aluminum and nonferrous metals	8,697	8,732	9,196	-0.4	-5.0			9,041	9,109	8,337	54,648	47,618	14.8
Ferrous metal foundries	1,348	1,383	1,262	-2.5	9.6		1,446	1,425	1,235	1,388	8,110	8,754	-7.4
Fabricated metal products	32,389	32,357	31,859	0.1	1.6			34,433	31,718	30,666	194,349	179,339	8.4
Machinery Construction machinery Mining, oil field, and	31,765 1,970	31,641 2,059	30,838 1,919	0.4 -4.3	2.6 7.3	-0.3 -17.9		32,343 1,945	31,135 2,061	30,652 1,521	191,088 12,645	180,704 11,028	5.7 14.7
gas field machinery	1,058	1,019	924	3.8	10.3	-6.7	1,098	964	766	681	5,711	5,099	12.0
Industrial machinery	2,889	3,028	2,877	-4.6				2,779	2,757	2,848	17,234	15,767	9.3
Photographic equipment	553	548	545	0.9	0.6	-2.9	495	532	486	495	3,110	3,143	-1.0
Ventilation, heating, air-conditioning, and refrigeration equipment	3,859	3,822	3,792	1.0	0.8			4,109	3,593	4,561	23,425	22,128	5.9
Metalworking machinery	3,083	3,005	2,994	2.6	0.4	1.3	3,195	3,013	2,834	2,883	17,445	16,822	3.7
Turbines, generators, and other	3,980	4,024	3,787	-1.1	6.3	0.1	4,259	4,111	4,030	3,873	23,721	22,957	3.3
power transmission equipment Material handling equipment	3,980	2,942	2,843	4.5	3.5	-0.5	4,259 3,267	3,045	2,682	2,742	17,791	16,092	10.6
	22,034	22,068	22,133	-0.2	-0.3			20,939	20,364			129,385	1.6
Computers and electronic products ² Computers Nondefense communications	747	740	759	0.9	-0.3 -2.5	0.7	935	687	709	25,194 916	131,478 4,406	4,172	5.6
equipment	2,794	2,760	2,901	1.2	-4.9	4.7	3,283	2,366	2,781	3,443	17,271	16,886	2.3
Defense communications equipment	2,734	251	222	-0.8	13.1	-9.4		228	223	302	1,494	1,539	-2.9
Electronic components	3,958	3,987	4,013	-0.7	-0.6			4,128	3,923	4,113	23,742	22,291	6.5
Nondefense search and navigation													
equipment Defense search and navigation	1,525	1,546	1,485	-1.4	4.1	3.4	1,568	1,489	1,464	1,611	8,943	8,362	6.9
equipment	2,437	2,453	2,354	-0.7	4.2	-5.2	2,677	2,176	2,285	2,795	14,674	15,602	-5.9
Electromedical, measuring,													
and control instruments	8,650	8,634	8,668	0.2	-0.4	1.8	9,643	8,372	7,687	9,632	51,000	50,126	1.7
Electrical equipment, appliances,	0.000	40.470	40.440	0.4	0.7	0.0	40.700	40.000	0.500	40 777	04.004	00.400	4.0
and components	9,960	10,178	10,112	-2.1	0.7	-2.2	10,792	10,306	9,506	10,777	61,021	60,402	1.0
Electric lighting equipment	1,124 1,571	1,135 1,580	1,121 1,571	-1.0 -0.6			1,137 1,659	1,112 1,652	1,073 1,554	1,125 1,770	6,522 9,307	6,446 9,806	1.2 -5.1
Household appliances Electrical equipment	2,634	2,698	2,755	-0.6	-2.1	-1.7		2,770	2,580	3,225	16,941	17,609	-3.1
Transportation equipment	91,682	77,026	78,240	19.0	-1.6			74,047	71,125	77,051	471,671	447,980	5.3
and trailers	27,699	27,677	27,603	0.1	0.3	0.9	29,381	29,352	26,899	27,548	169,414	159,846	6.0
Nondefense aircraft and parts	25,329	10,961	11,113	131.1	-1.4	-12.2	28,430	7,060	6,472	7,578	67,867	51,812	31.0
Defense aircraft and parts	3,517	3,528	5,372	-0.3	-34.3	7.5		2,917	5,154	5,113	25,024	25,187	-0.6
Ships and boats	2,877	2,979	3,098	-3.4	-3.8		3,674	2,637	2,784	2,775	16,864	14,931	12.9
Furniture and related products	6,457	6,335	6,366	1.9	-0.5	-1.4	6,441	6,547	6,717	6,318	39,975	39,486	1.2
Nondurable goods industries	235,286	236,074	237,586	-0.3	-0.6	0.2	243,624	246,146	235,634	235,180	1,411,329	1,330,220	6.1

^p Preliminary

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/s.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2017. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

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.

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

Estimates are snown in millions of do			Seasonally A			Not Seasonally Adjusted					
		Monthly		Pe	rcent Chan	qe			nthly		% Change
Industry	June 2017 ^p	May 2017 ^r	Apr. 2017	May - June	Apr May	Mar Apr.	June 2017 ^p	May 2017 ^r	Apr. 2017	June 2016	June 2017/ 2016
All manufacturing industries ²	1,135,738	1,121,504	1,122,428	1.3	-0.1	0.2	1,137,561	1,124,373	1,131,635	1,129,474	
Excluding transportation ² Excluding defense ²	358,928 959,597	357,531 944,868	356,230 944,817	0.4 1.6	0.4 0.0	0.3 0.1	361,759 959,354	363,211 947,426	362,746 951,714	349,203 952,929	3.6 0.7
Durable goods industries ²	1,135,738	1,121,504	1,122,428	1.3	-0.1	0.2	1,137,561	1,124,373	1,131,635	1,129,474	0.7
Primary metals	29,985 14,777 11,044 4,164 77,878 100,096 5,256	29,863 14,544 11,221 4,098 77,483 99,249 5,256	29,859 14,426 11,416 4,017 77,013 98,522 5,220	0.4 1.6 -1.6 1.6 0.5 0.9	0.0 0.8 -1.7 2.0 0.6 0.7 0.7	0.8 -0.8 3.3 -0.2 0.9 0.1 -1.5	30,111 15,072 10,869 4,170 79,112 100,059 5,180	30,274 14,939 11,161 4,174 79,496 100,169 5,473	30,674 14,999 11,552 4,123 78,444 100,077 5,706	28,782 14,284 10,702 3,796 77,201 96,735 4,873	2.5
Mining, oil field, and gas field machinery	5,169 8,302 1,303	5,127 8,277 1,339	5,117 8,104 1,364	0.8 0.3 -2.7	0.2 2.1 -1.8	-1.1 -0.6 -2.8	5,105 8,306 1,203	5,049 8,348 1,365	5,079 8,320 1,383	5,462 8,867 1,159	-6.5 -6.3 3.8
and refrigeration equipment Metalworking machinery Turbines, generators, and other	6,198 8,041	6,017 8,002	5,904 7,930	3.0 0.5	1.9 0.9	0.2 0.1	6,282 8,064	6,190 8,128	6,140 8,080	5,811 8,148	8.1 -1.0
power transmission equipment	29,686 12,144 117,782 1,816	29,617 11,886 117,670 1,772	29,643 11,727 117,570 1,773	0.2 2.2 0.1 2.5	-0.1 1.4 0.1 -0.1	-0.5 0.3 0.0 0.9	29,735 12,465 118,302 1,816	29,525 12,140 118,793 1,772	29,679 11,962 119,244 1,773	29,292 11,023 115,282 1,650	1.5 13.1 2.6 10.1
Nondefense communications equipment Defense communications equipment Electronic components	25,412 1,604 11,402	25,360 1,591 11,424	25,340 1,587 11,385	0.2 0.8 -0.2	0.1 0.3 0.3	0.7 -0.6 0.8	25,537 1,657 11,328	25,692 1,593 11,572	25,949 1,605 11,513	23,408 1,704 10,914	9.1 -2.8 3.8
Nondefense search and navigation equipment Defense search and navigation	18,423	18,330	18,223	0.5	0.6	0.1	18,399	18,384	18,389	17,640	4.3
equipmentElectromedical, measuring,	27,188	27,337	27,471	-0.5	-0.5	-1.1	27,471	27,567	27,886	28,808	-4.6
and control instruments Electrical equipment, appliances,	31,937	31,856	31,791	0.3	0.2	0.1	32,094	32,213	32,129	31,158	3.0
and components	22,771 1,547 1,104 8,574 776,810	22,872 1,539 1,098 8,584 763,973	22,757 1,534 1,078 8,560 766,198	-0.4 0.5 0.5 -0.1 1.7	0.5 0.3 1.9 0.3 -0.3	0.3 2.0 -0.1 0.3 0.1	23,156 1,612 1,111 8,625 775,802	23,266 1,569 1,137 8,670 761,162	23,194 1,563 1,119 8,641 768,889	20,723 1,631 960 8,001 780,271	11.7 -1.2 15.7 7.8 -0.6
Motor vehicle bodies, parts, and trailers	23,880 585,587 72,459 23,247 9,682	23,737 572,306 73,036 23,457 9,659	23,595 573,291 73,593 23,692 9,789	0.6 2.3 -0.8 -0.9 0.2	0.6 -0.2 -0.8 -1.0 -1.3	0.9 0.0 2.2 0.0 -0.7	23,652 583,093 73,352 23,935 10,285	24,043 569,148 73,574 23,569 10,478	23,885 573,900 74,604 24,188 10,393	22,598 589,712 69,415 23,975 9,763	-1.1

^p Preliminary

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.

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.

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/s.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2017. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

Table 4. Value of Manufacturers' Inventories for Industry Groups¹

Seasonally Adjusted Not Seasonally Monthly Percent Change Monthly Industry	•				
	Monthly				
June May Apr. May - Apr Mar June May Apr. 2017 ^p 2017 ^r 2017 June May Apr. 2017 ^p 2017 ^r 2017	June 2016	June 2017/ 2016			
All manufacturing industries	41 632,019	2.3			
Excluding transportation					
Excluding defense					
Durable goods industries					
Wood products					
Nonmetallic mineral products					
Iron and steel mills		10.4			
Aluminum and nonferrous metals		6.4			
Ferrous metal foundries					
Machinery		4.3			
Farm machinery					
Construction machinery	5,347	-2.7			
and gas field machinery	35 7,284	6.7			
Industrial machinery					
Photographic equipment	1,385	-4.3			
and refrigeration equipment	73 4,632	10.1			
Metalworking machinery	5,546	4.4			
Turbines, generators, and other power transmission equipment	0.036	8.1			
power transmission equipment					
Computers and electronic products ²					
Computers		10.1			
Computer storage devices					
Nondefense communications	1,110	0.1			
equipment					
	71 612 34 638				
Audio and video equipment					
Nondefense search and navigation	1,551				
equipment	3,051	1.2			
Defense search and navigation 3,073 3,091 3,093 -0.6 -0.1 -1.1 3,106 3,199 3,	3,016	3.0			
equipment of the second of the					
and control instruments	98 14,370	-0.2			
Electrical equipment, appliances, and components	13 16,966	4.4			
Electric lighting equipment					
Household appliances					
Electrical equipment					
Transportation equipment		-1.2			
Automobiles		-9.8			
Light trucks and utility vehicles					
Motor vehicle bodies, parts,	1,970	0.5			
and trailers					
Nondefense aircraft and parts					
Defense aircraft and parts					
Furniture and related products	05 7,497				
Miscellaneous durable goods	35 21,884	3.0			
Nondurable goods industries	21 246,721	2.0			
Food products	33 53,294	2.0			
Grain and oilseed milling	74 5,310				
Dairy products					
Beverage and tobacco products					
Beverages	11 18,286	2.5			
Tobacco		-0.5 1.9			
Textile mills		2.9			
Apparel		-7.5			
	91 818				
Paper products					
Paperboard containers	57 4,797	0.7			
Printing					
Petroleum and coal products		7.2 8.7			
Fertineum lements 20,000 29,927 31,764 -0.1 -0.1 0.1 83,384 84,533 84, 64,533 84, 65,534 -0.1 -0.1 0.1 83,384 84,533 84,					
Pesticides, fertilizers, and other					
agricultural chemicals					
Pharmaceuticals and medicines					
Plastics and rubber products					

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

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

Listinates are shown in minions of a	Seasonally Adjuste				Wallul	acturers	Not Seasonally Adjusted						
		Monthly	, ,		cent Cha	inge		Mon		,	Year to	o date	
Industry	June 2017 ^p	May 2017 ^r	Apr. 2017	May - June	Apr May	Mar Apr.	June 2017 ^p	May 2017 ^r	Apr. 2017	June 2016	2017 ^p	2016	% Change ⁶ 2017/ 2016
SHIPMENTS													
All manufacturing industries	471,535	472,418	470,922	-0.2	0.3	0.0	501,588	489,418	460,979	482,278	2,821,017	2,698,671	4.5
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	49,771 22,395 1,910 54,231	49,790 22,359 1,953 54,546	49,406 22,512 1,983 53,621	0.0 0.2 -2.2 -0.6	0.8 -0.7 -1.5 1.7	-0.3 0.8 3.5 0.6	55,086 25,849 2,787 58,661	53,391 21,705 1,715 57,070	49,168 20,323 1,566 52,019	52,256 24,878 2,811 56,782	295,147 131,249 11,488 330,291	281,750 125,695 11,732 327,630	4.8 4.4 -2.1 0.8
Capital goods	80,867 70,825 63,024 10,042	80,831 70,565 62,931 10,266	80,080 69,868 62,722 10,212	0.0 0.4 0.1 -2.2	0.9 1.0 0.3 0.5	0.0 -0.2 0.2 1.5	90,488 79,567 70,009 10,921	81,254 71,337 63,655 9,917	75,252 65,836 60,026 9,416	87,536 77,249 67,220 10,287	477,711 417,846 375,092 59,865	469,048 414,659 369,183 54,389	1.8 0.8 1.6 10.1
Consumer goods	193,549 37,484 156,065	194,802 37,753 157,049	194,966 37,016 157,950	-0.6 -0.7 -0.6	-0.1 2.0 -0.6	0.5 0.0 0.6	199,683 40,074 159,609	201,631 38,946 162,685	191,679 35,830 155,849	190,821 39,833 150,988	1,157,279 227,140 930,139	1,082,217 231,823 850,394	6.9 -2.0 9.4
NEW ORDERS													
All manufacturing industries ⁵	481,081	467,050	468,572	3.0	-0.3	-0.3	510,822	478,615	457,343	468,024	2,810,315	2,661,498	5.6
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	50,043 22,388 1,954 54,374	50,055 22,461 1,952 54,688	49,932 22,432 1,999 53,840	0.0 -0.3 0.1 -0.6	0.2 0.1 -2.4 1.6	-1.4 0.2 4.2 0.6	54,971 25,358 2,831 58,270	54,299 21,196 1,714 57,228	50,182 20,420 1,582 51,912	51,985 25,290 2,806 56,019	299,924 134,004 11,615 331,043	284,664 131,524 11,703 325,917	5.4 1.9 -0.8 1.6
Capital goods Nondefense capital goods ³ Excluding aircraft Defense capital goods ⁴	94,445 84,731 63,521 9,714	79,342 69,976 63,523 9,366	80,029 70,041 63,019 9,988	19.0 21.1 0.0 3.7	-0.9 -0.1 0.8 -6.2	-1.9 -2.4 0.3 1.7	105,082 93,022 69,022 12,060	73,783 66,658 63,502 7,125	74,062 64,742 61,154 9,320	78,105 69,550 65,918 8,555	484,867 428,524 383,523 56,343	454,480 399,316 372,771 55,164	6.7 7.3 2.9 2.1
Consumer goods	193,603 37,538 156,065	194,779 37,730 157,049	195,000 37,050 157,950	-0.6 -0.5 -0.6	-0.1 1.8 -0.6	0.5 0.1 0.6	199,399 39,790 159,609	201,509 38,824 162,685	191,785 35,936 155,849	190,555 39,567 150,988	1,157,436 227,297 930,139	1,082,296 231,902 850,394	6.9 -2.0 9.4
UNFILLED ORDERS													
All manufacturing industries ⁵	1,135,738	1,121,504	1,122,428	1.3	-0.1	0.2	1,137,561	1,124,373	1,131,635	1,129,474	(X)	(X)	0.7
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	52,360 119,229 1,816 23,880	52,088 119,236 1,772 23,737	51,823 119,134 1,773 23,595	0.5 0.0 2.5 0.6	0.5 0.1 -0.1 0.6	1.0 -0.1 0.9 0.9	53,452 119,985 1,816 23,652	53,567 120,476 1,772 24,043	52,659 120,985 1,773 23,885	51,371 115,658 1,650 22,598	(X) (X) (X) (X)	(X) (X) (X)	4.1 3.7 10.1 4.7
Capital goods Nondefense capital goods ³ Excluding aircraft Defense capital goods ⁴	850,311 710,029 226,585 140,282	836,733 696,123 226,088 140,610	838,222 696,712 225,496 141,510	1.6 2.0 0.2 -0.2	-0.2 -0.1 0.3 -0.6	0.0 0.0 0.1 -0.2	851,333 709,367 227,996 141,966	836,739 695,912 228,983 140,827	844,210 700,591 229,136 143,619	845,704 703,593 220,252 142,111	(X) (X) (X) (X)	(X) (X) (X) (X)	0.7 0.8 3.5 -0.1
Consumer goods	5,306 5,306	5,252 5,252	5,275 5,275	1.0 1.0	-0.4 -0.4	0.6 0.6	5,161 5,161	5,445 5,445	5,567 5,567	4,855 4,855	(X) (X)	(X) (X)	6.3 6.3
TOTAL INVENTORIES	5,550	5,252	5,2,5	1.0	0.4	0.0	5,101	5,445	5,557	4,000	(2)	(//)	0.5
All manufacturing industries	649,086	648,044	649,250	0.2	-0.2	0.0	646,243	653,636	653,441	632,019	(X)	(X)	2.3
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	66,627 38,273 4,362 34,242	66,251 38,164 4,355 34,456	65,921 38,167 4,394 34,229	0.6 0.3 0.2 -0.6	0.5 0.0 -0.9 0.7	0.8 -0.4 -1.0 0.9	66,627 38,075 4,317 33,362	67,109 38,726 4,476 34,372	66,847 38,170 4,369 34,241	63,991 37,060 3,995 34,512	(X) (X) (X) (X)	(X) (X) (X) (X)	4.1 2.7 8.1 -3.3
Capital goods Nondefense capital goods ³ Excluding aircraft. Defense capital goods ⁴	200,423 177,952 122,979 22,471	199,083 176,623 121,845 22,460	199,246 176,809 121,713 22,437	0.7 0.8 0.9 0.0	-0.1 -0.1 0.1 0.1	-0.2 -0.7 -0.1 3.5	199,486 176,925 122,467 22,561	201,629 179,071 123,100 22,558	200,410 177,935 121,944 22,475	195,030 174,202 117,975 20,828	(X) (X) (X) (X)	(X) (X) (X) (X)	
Consumer goods	191,859 29,405 162,454	192,466 29,212 163,254	194,279 29,195 165,084	-0.3 0.7 -0.5	-0.9 0.1 -1.1	-0.6 0.2 -0.7	191,256 28,616 162,640	193,193 28,914 164,279	194,888 29,093 165,795	188,298 28,836 159,462	(X) (X) (X)	(X) (X) (X)	1.6 -0.8 2.0

X Not Applicable

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.

²Topical series are regroupings of the separate industry categories.

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 and components; heavy duty rucks; aircraft; railroad rolling stock; ship 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.

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/.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2017. Information on data sources and methodology can be found on our website at

<www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>

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

Estimates are shown in millions of de	ollars and are based on data from the Manufacturers' Shipments, Seasonally Adjusted							, Inventories, and Orders Survey.] Not Seasonally Adjusted					
		Monthly	Seasonally A	-	rcent Chan	ae		Mor S		ustea	% Change		
Industry	June 2017 ^p	May 2017 ^r	Apr. 2017	May - June	Apr May	Mar Apr.	June 2017 ^p	May 2017 ^r	Apr. 2017	June 2016	June 2017/ 2016		
MATERIALS AND SUPPLIES													
All manufacturing industries	222,103	221,854	221,939	0.1	0.0	0.8	221,128	222,702	222,201	214,322	3.2		
Durable goods industries	134,586	133,794	133,420	0.6	0.3	0.9	133,457	133,616	133,071	128,216			
Wood products Nonmetallic mineral products	4,844 5,450	4,835 5,458	4,814 5,416	0.2 -0.1	0.4 0.8	0.6 -0.3	4,614 5,480	4,527 5,497	4,562 5,454	4,273 5,328	8.0 2.9		
Primary metals	12,639	12,540	12,374	0.8	1.3	1.9	12,448	12,279	11,975	11,384	9.3		
Fabricated metal products	18,101 23,768	17,959 23,455	17,783 23,448	0.8 1.3	1.0 0.0	0.4 -0.6	18,068 23,809	17,895 23,634	17,756 23,538	17,511 24,060	3.2 -1.0		
Computers and electronic products Electrical equipment, appliances,	18,176	18,139	18,035	0.2	0.6	0.5	18,133	18,352	18,071	17,281	4.9		
and components	7,115	6,996	6,976	1.7	0.3	-0.3	7,100	7,049	7,028	6,844			
Transportation equipment Furniture and related products	32,997 3,740	32,952 3,672	33,140 3,674	0.1 1.9	-0.6 -0.1	2.6 0.3	32,282 3,759	32,903 3,674	33,317 3,662	30,299 3,573	6.5 5.2		
Miscellaneous products	7,756	7,788	7,760	-0.4	0.4	1.1	7,764	7,806	7,708	7,663	1.3		
Nondurable goods industries Food products	87,517 19,616	88,060 19,755	88,519 19,660	-0.6 -0.7	-0.5 0.5	0.6 0.7	87,671 19,299	89,086 19,443	89,130 19,385	86,106 19,104	1.8 1.0		
Beverage and tobacco products	5,833	5,811	5,770	0.4	0.7	-0.5	5,686	5,781	5,834	5,873	-3.2		
Textiles Textile products	1,128 1,270	1,127 1,266	1,131 1,247	0.1 0.3	-0.4 1.5	1.5 0.5	1,135 1,278	1,133 1,269	1,133 1,244	1,130 1,308	0.4 -2.3		
Apparel	572	572 232	582 226	0.0	-1.7	0.2	580	569	574	607	-4.4		
Leather and allied products Paper products	232 7,686	7,645	7,647	0.0 0.5	2.7 0.0	-0.9	234 7,600	234 7,582	222 7,652	242 7,657	-0.7		
Printing Petroleum and coal products	2,591 9,501	2,617 9,913	2,623 10,596	-1.0 -4.2	-0.2 -6.4	0.3 -1.3	2,596 10,117	2,604 10,809	2,634 11,076	2,699 10,347	-3.8 -2.2		
Chemical products	28,868	28,884	28,793	-0.1	0.3	2.0	28,923	29,394	29,081	26,828	7.8		
Plastics and rubber products	10,220	10,238	10,244	-0.2	-0.1	-0.5	10,223	10,268	10,295	10,311	-0.9		
WORK IN PROCESS All manufacturing industries	200,053	199,873	200,037	0.1	-0.1	-0.2	199,357	202,148	201,685	196,229	1.6		
										149,201	0.3		
Durable goods industries Wood products	150,209 1,935	150,327 1,973	150,387 2,031	-0.1 -1.9	0.0 -2.9	-0.3 -0.9	1,932	152,305 1,986	151,693 2,079	1,924	0.4		
Nonmetallic mineral products Primary metals	1,459 9,430	1,455 9,462	1,465 9,502	0.3 -0.3	-0.7 -0.4	0.3 0.8	1,488 9,471	1,505 9,518	1,520 9,615	1,472 8,914	1.1 6.2		
Fabricated metal products	13,148	13,055	12,995	0.7	0.5	1.0	13,091	13,115	12,997	12,553	4.3		
Machinery Computers and electronic products Electrical equipment, appliances,	21,165 13,922	21,078 13,977	21,065 13,964	0.4 -0.4	0.1 0.1	0.8 0.6	20,953 14,022	21,369 14,429	21,035 14,279	19,675 13,787	1.7		
and components Transportation equipment	3,915 80,627	3,865 80,846	3,883 80,960	1.3 -0.3	-0.5 -0.1	-0.8 -1.0	3,953 80,071	3,945 81,803	3,939 81,672	3,763 82,644	5.0 -3.1		
Furniture and related products Miscellaneous products	1,157 3,451	1,161 3,455	1,086 3,436	-0.3 -0.1	6.9 0.6	-3.6 -1.0	1,163 3,442	1,162 3,473	1,082 3,475	1,141 3,328	1.9 3.4		
Nondurable goods industries	49,844	49,546	49,650	0.6	-0.2	0.3	49,771	49,843	49,992	47,028			
Food products	5,958	6,064	6,148	-1.7	-1.4	0.8	5,428	5,585	5,826	5,507	-1.4		
Beverage and tobacco products Textiles	8,926 658	8,903 655	8,812 665	0.3 0.5	1.0 -1.5	0.5 -0.3	8,344 662	8,656 663	8,744 674	7,910 677	5.5 -2.2		
Textile products	411 314	400 316	402 321	2.8 -0.6	-0.5 -1.6	-0.2 -4.2	408 330	400 318	411 309	417 356	-2.2 -7.3		
Apparel Leather and allied products	89	88	89	1.1	-1.1	0.0	88	89	91	90	-2.2		
Paper products	1,244 1,035	1,242 1,025	1,253 1,038	0.2 1.0	-0.9 -1.3	-0.4 -4.9		1,246 980	1,255 1,049	1,274 1,163	-1.8 -12.6		
Petroleum and coal products	10,635	10,716	11,087	-0.8	-3.3	0.9	11,243	11,348	11,727	9,562	17.6		
Chemical productsPlastics and rubber products	17,446 3,128	17,003 3,134	16,726 3,109	2.6 -0.2	1.7 0.8	0.1 0.5	17,867 3,134	17,377 3,181	16,739 3,167	17,047 3,025	4.8 3.6		
FINISHED GOODS													
All manufacturing industries	226,930	226,317	227,274	0.3	-0.4	-0.6	225,758	228,786	229,555	221,468	1.9		
Durable goods industries	112,595	111,423			0.3	0.2				107,881			
Wood products Nonmetallic mineral products	4,899 6,297	4,891 6,264	4,795 6,244	0.2 0.5	2.0 0.3	1.3 1.1	4,892 6,398	5,077 6,482	4,933 6,466	4,572 6,247	7.0 2.4		
Primary metalsFabricated metal products	11,059 18,049	11,003 17,808	10,926 17,674	0.5	0.7 0.8	1.0 0.4	10,930 18,095	11,132 18,176	11,168 18,139	10,091	8.3 3.1		
Machinery	23,497	23,024	22,933	1.4 2.1	0.4	0.3	23,230	23,328	23,231	17,545 21,429	8.4		
Computers and electronic products Electrical equipment, appliances,	12,341	12,178	12,168	1.3	0.1	-1.0	12,074	12,217	12,075	12,141	-0.6		
and components	6,598	6,573	6,526	0.4	0.7	-0.4		6,729	6,646	6,359			
Transportation equipment Furniture and related products	15,470 2,818	15,438 2,812	15,447 2,814	0.2 0.2	-0.1 -0.1	0.6 -0.9	14,879 2,978	15,725 2,858	15,435 2,761	15,821 2,783	-6.0 7.0		
Miscellaneous products	11,567	11,432	11,522	1.2	-0.8	-0.8	11,337	11,321	11,502	10,893	4.1		
Nondurable goods industries Food products	114,335 30,353	114,894 29,879	116,225 29,725	-0.5 1.6	-1.1 0.5	-1.3 -1.6		115,741 29,241	117,199 29,222	113,587 28,683	0.6 3.3		
Beverage and tobacco products	8,889	8,754	8,854	1.5	-1.1	-1.4	8,912	8,851	8,992	8,730	2.1		
Textiles Textile products	1,440 1,744	1,415 1,745	1,426 1,751	1.8 -0.1	-0.8 -0.3	1.0 1.2	1,454 1,743	1,435 1,753	1,429 1,764	1,383 1,606	8.5		
ApparelLeather and allied products	1,166 478	1,180 479	1,201 484	-1.2 -0.2	-1.7 -1.0	-0.4 -0.4	1,173 495	1,163 491	1,163 478	1,288 486			
Paper products	6,700	6,657	6,669	0.6	-0.2	0.2	6,671	6,684	6,764	6,519	2.3		
Printing Petroleum and coal products	1,771 13,227	1,759 13,899	1,754 14,752	0.7 -4.8	0.3 -5.8	-0.5 -3.2	1,777 13,998	1,770 14,393	1,783 15,024	1,653 13,078			
Chemical products	36,749	37,300	37,725	-1.5	-1.1	-1.4	36,594	37,762	38,333	38,458	-4.8		
Plastics and rubber products	11,818	11,827	11,884	-0.1	-0.5	0.2	11,831	12,198	12,247	11,703	1.1		

Revised data due to late receipts and concurrent seasonal adjustment.

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.

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.gow/manufacturing/m3/bs. Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2017. Information on data sources and methodology can be found on our website at http://www.census.gow/manufacturing/m3/how_the_data_are_collected/index.html>.

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.]

Inve	ntory/Ship	oments ra	itio	Unfilled Orders/Shipments ratio ²				
Jun 2017 ^p	May 2017 ^r	Apr 2017	Mar 2017	Jun 2017 ^p	May 2017 ^r	Apr 2017	Mar 2017	
1.38	1.37	1.38	1.38	(X)	(X)	(X)	(X)	
1.68 1.29 1.25 1.72 1.54 2.21	1.67 1.29 1.24 1.70 1.53 2.19 1.68	1.69 1.26 1.24 1.71 1.55 2.19 1.68	1.25 1.23 1.69 1.54 2.20	6.83 (X) (X) 1.55 2.50 3.63 5.82	6.74 (X) (X) 1.54 2.50 3.59 5.80	6.83 (X) (X) 1.56 2.54 3.57 5.77	6.81 (X) (X) 1.55 2.52 3.58 5.78	
1.75 1.64 1.20 1.83	1.73 1.63 1.18 1.84	1.73 1.67 1.18 1.85	1.67 1.18	2.48 14.89 1.71 (X)	2.51 14.62 1.70 (X)	2.49 14.98 1.74 (X)	2.45 14.88 1.75 (X)	
1.07 0.82 1.76 1.23 1.54 1.89 2.10 0.99 0.86 0.84 1.28	1.07 0.81 1.75 1.21 1.54 1.93 2.08 0.98 0.86 0.84 1.29	1.07 0.81 1.75 1.24 1.55 2.03 2.08 1.00 0.86 0.86 1.28	1.23 1.54 2.10 2.09 0.99 0.85 0.87	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	X X X X X X X X X X X X X X X X X X X	
	Jun 2017 ^p 1.38 1.68 1.29 1.25 1.72 1.54 2.21 1.67 1.75 1.64 1.20 1.83 1.07 0.82 1.76 1.23 1.54 1.89 2.10 0.99 0.86 0.84	Jun May 2017° 1.38 1.37 1.68 1.67 1.29 1.29 1.25 1.24 1.72 1.70 1.54 1.53 2.21 2.19 1.67 1.68 1.75 1.73 1.64 1.63 1.20 1.18 1.83 1.84 1.07 1.07 0.82 0.81 1.76 1.75 1.23 1.21 1.24 1.29 1.25 1.24 1.29 0.81 1.89 1.93 2.10 2.08 0.86 0.86 0.86 0.86	Jun May Apr 2017'	2017° 2017° 2017 2017 1.38 1.37 1.38 1.38 1.68 1.67 1.69 1.89 1.29 1.29 1.26 1.25 1.25 1.24 1.24 1.23 1.72 1.70 1.71 1.95 1.54 1.53 1.55 1.54 2.21 2.19 2.19 2.19 2.20 1.67 1.68 1.68 1.67 1.75 1.73 1.73 1.72 1.64 1.63 1.67 1.67 1.20 1.18 1.18 1.18 1.18 1.83 1.84 1.85 1.66 1.07 1.07 1.07 1.08 0.82 0.81 0.81 0.81 0.81 1.89 1.93 2.03 2.10 2.10 2.08 2.08 0.99 0.98 1.00 0.99 0.86 0.86 0.86 0.86 0.86 0.86	Jun	Jun	Jun	

Not Applicable

Table 8. Revisions to Previously Published Monthly Percent Changes 1

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

	Ship	ments	New 0	Orders	Unfilled	Orders	Inventories		
Industry	Jun ² 2017	Jun ³ 2016- May 2017	Jun ² 2017	Jun ³ 2016- May 2017	Jun ² 2017	Jun ³ 2016- May 2017	Jun ² 2017	Jun ³ 2016- May 2017	
All manufacturing industries	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1	
Durable goods industries	0.0 (X) (X) 0.1 -0.3 0.0 0.1 -0.1 (X) (X)	0.2 0.4 0.2 0.3 0.3 0.4 0.5 0.3 0.2 0.3	-0.1 (X) (X) 0.1 -0.6 0.2 0.1 -0.4 0.0 (X) (X)	0.5 (NA) (NA) 0.7 1.1 0.5 0.7 0.5 1.2 1.0	0.0 (X) (X) 0.0 -0.1 0.2 0.0 -0.2 (X) (X)	0.1 (NA) (NA) 0.4 0.3 0.1 0.1 0.2 0.1 0.5	0.1 (X) (X) 0.2 -0.1 0.1 0.1 0.2 0 (X) (X)	0.1 0.2 0.1 0.3 0.2 0.1 0.1 0.2 0.1	
Nondurable goods industries. Food products. Beverage and tobacco products. Textiles. Textile products. Apparel. Leather and allied products. Paper products. Printing. Petroleum and coal products. Chemical products. Plastics and rubber products.	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	0.2 0.4 0.4 0.6 0.9 0.6 0.3 0.4 0.7 0.3	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	(24) (24) (24) (24) (24) (24) (24) (24)	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	(A) (AZ) (AZ) (AZ) (AZ) (AZ) (AZ) (AZ) ((X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	0.3 0.4 0.2 0.4 0.5 0.3 0.2 0.3 1.6 0.1 0.2	

^{*} Not Applicable
P Preliminary
Revised data due to late receipts and concurrent seasonal adjustment.
Revised data due to late receipts and concurrent seasonal adjustment.
Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies supplies and optical media; batteries; automobiles; light trucks and utility whelices; heavy duty trucks; and miscellaneous turniture.

J unfilled orders to shipments ratio excludes semiconductor manufacturing.
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, methodogy, and data limitations see https://www.census.gov/manufacturing/m3/s-.
Source: U.S. Census Bureau, Manufacturer's Shipments, inventories, and Orders (M3) Survey, June Full Report, August 3, 2017. Information on data sources and methodology can be found on our website at https://www.census.gov/manufacturing/m3/how_full_data_are_collected/index.htmls.

X Not Applicable
NA Not Available
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.

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

The twelve month revisions are the difference between the advance 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. Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonexpending. 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 initiations see chirp/loww.census.gov/manufacturing/m35.

Source U.S. Census Bureau, Manufacturers' Shipments, inventories, and Orders (M3) Survey, June Full Report, August 3, 2017. Information on data sources and methodology can be found on our website at verwe.census.gov/manufacturing/m35.