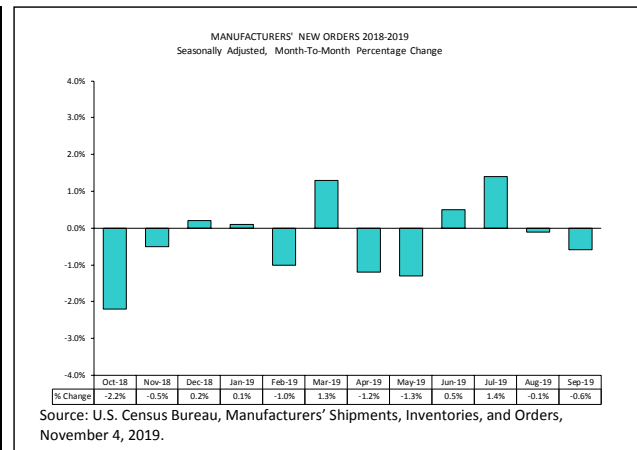


MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS SEPTEMBER 2019

Release Number: CB 19-161 M3-2 (19)-09

November 4, 2019 — The U.S. Census Bureau announces the September full report on manufacturers' shipments, inventories and orders:

MANUFACTURED GOODS – NEW ORDERS		
SEPTEMBER 2019	\$496.7 billion	-0.6%°
AUGUST 2019 (revised)	\$499.6 billion	-0.1%°
Next release: December 5, 2019		
Data adjusted for seasonal variation but not for price changes. Statistical significance is not measurable for this survey. The Manufacturers' Shipments, Inventories, and Orders estimates are not based on a probability sample, so the sampling error of these estimates cannot be measured nor can the confidence intervals be computed. Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories and Orders, November 4, 2019.		



Summary

New orders for manufactured goods in September, down two consecutive months, decreased \$2.9 billion or 0.6 percent to \$496.7 billion, the U.S. Census Bureau reported today. This followed a 0.1 percent August decrease. Shipments, down three consecutive months, decreased \$1.1 billion or 0.2 percent to \$501.1 billion. This followed a 0.3 percent August decrease. Unfilled orders, down following two consecutive monthly increases, decreased \$0.1 billion or virtually unchanged to \$1,163.3 billion. This followed a 0.1 percent August increase. The unfilled orders-to-shipments ratio was 6.69, up from 6.68 in August. Inventories, up nine of the last ten months, increased \$2.2 billion or 0.3 percent to \$697.9 billion. This followed a 0.1 percent August decrease. The inventories-to-shipments ratio was 1.39, unchanged from August.

New Orders

New orders for manufactured durable goods in September, down following three consecutive monthly increases, decreased \$3.1 billion or 1.2 percent to \$247.7 billion, down from the previously published 1.1 percent decrease. This followed a 0.2 percent August increase. Transportation equipment, also down following three consecutive monthly increases, led the decrease, \$2.4 billion or 2.8 percent to \$84.3

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billion. New orders for manufactured nondurable goods increased \$0.1 billion or 0.1 percent to \$249.0 billion.

Shipments

Shipments of manufactured durable goods in September, down three consecutive months, decreased \$1.2 billion or 0.5 percent to \$252.1 billion, down from the previously published 0.4 percent decrease. This followed a 0.2 percent August decrease. Transportation equipment, also down three consecutive months, led the decrease, \$1.2 billion or 1.3 percent to \$84.4 billion. Shipments of manufactured nondurable goods, up two of the last three months, increased \$0.1 billion or 0.1 percent to \$249.0 billion. This followed a 0.4 percent August decrease. Petroleum and coal products, also up two of the last three months, drove the increase, \$0.2 billion or 0.4 percent to \$51.3 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in September, down following two consecutive monthly increases, decreased \$0.1 billion or virtually unchanged to \$1,163.3 billion, unchanged from the previously published decrease. This followed a 0.1 percent August increase. Fabricated metal products, down following three consecutive monthly increases, drove the decrease, \$0.2 billion or 0.2 percent to \$86.9 billion.

Inventories

Inventories of manufactured durable goods in September, up fourteen of the last fifteen months, increased \$2.0 billion or 0.5 percent to \$430.3 billion, unchanged from the previously published increase. This followed a 0.3 percent August increase. Transportation equipment, also up fourteen of the last fifteen months, drove the increase, \$2.2 billion or 1.5 percent to \$145.5 billion. Inventories of manufactured nondurable goods, up following five consecutive monthly decreases, increased \$0.2 billion or 0.1 percent to \$267.6 billion. This followed a 0.6 percent August decrease. Chemical products, up following two consecutive monthly decreases, drove the increase, \$0.5 billion or 0.5 percent to \$91.1 billion. By stage of fabrication, September materials and supplies increased 0.1 percent in durable goods and decreased 0.5 percent in nondurable goods. Work in process increased 1.2 percent in durable goods and 0.5 percent in nondurable goods. Finished goods were virtually unchanged in durable goods and increased 0.3 percent in nondurable goods.

The Advance Report on durable goods for October is scheduled for release on November 27, 2019 at 8:30 a.m. EST and the Full Report on December 5, 2019 at 10:00 a.m. EST. 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-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 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

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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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.

2020 RELEASE DATES FOR THE M3 SURVEY

Survey month	Advance Report (8:30 a.m. release time)	Full Report (10:00 a.m. release time)
Nov-19	Tue 12/24/2019	Tue 1/7/2020
Dec-19	Tue 1/28/2020	Tue 2/4/2020
Jan-20	Thu 2/27/2020	Thu 3/5/2020
Feb-20	Wed 3/25/2020	Thu 4/2/2020
Mar-20	Fri 4/24/2020	Mon 5/4/2020
Apr-20	Thu 5/28/2020	Wed 6/3/2020
May-20	Thu 6/25/2020	Thu 7/2/2020
Jun-20	Mon 7/27/2020	Tue 8/4/2020
Jul-20	Wed 8/26/2020	Wed 9/2/2020
Aug-20	Fri 9/25/2020	Fri 10/2/2020
Sep-20	Tue 10/27/2020	Tue 11/3/2020
Oct-20	Wed 11/25/2020	Fri 12/4/2020
Nov-20	Thu 12/24/2020	Not available at this time

Source: https://www.whitehouse.gov/wp-content/uploads/2019/09/pfei_schedule_release_dates_2020.pdf

RESOURCES

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.

<www.census.gov/developers/>.

NEW TIME SERIES

Beginning with the release of June 2018 data on July 26, 2018, historical estimates of the Monthly Advance Report on Manufacturers' Shipments, Inventories and Orders are available on a seasonally adjusted basis as well as a not seasonally adjusted basis at: <<https://www.census.gov/econ/currentdata/>>.

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Receive the latest updates on the nation's key economic indicators by downloading the FRED App <<https://fred.stlouisfed.org/fred-mobile/>> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St. Louis, now incorporates the Census Bureau's 13 economic indicators.

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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		
	Sep. 2019 ²	Aug. 2019 ²	July 2019	Aug. - Sep.	July - Aug.	June - July	Sep. 2019 ²	Aug. 2019 ²	July 2019	Sep. 2018	2019 ²	2018	% Change 2019/2018
All manufacturing industries.....	501,115	502,177	503,617	-0.2	-0.3	-0.3	514,561	520,191	490,073	516,992	4,537,794	4,486,562	1.1
Excluding transportation.....	416,711	416,619	417,110	0.0	-0.1	0.1	426,395	430,689	416,187	424,081	3,756,490	3,725,522	0.8
Excluding defense.....	486,397	487,467	488,969	-0.2	-0.3	-0.2	498,515	505,703	477,313	501,929	4,407,634	4,368,094	0.9
With unfilled orders.....	173,799	174,192	174,193	-0.2	0.0	-1.7	181,567	180,056	164,291	184,838	1,588,961	1,565,587	1.5
Durable goods industries.....	252,124	253,325	253,792	-0.5	-0.2	-1.2	262,340	263,168	237,716	263,398	2,295,979	2,247,446	2.2
Wood products.....	9,151	9,202	9,088	-0.6	1.3	-0.5	9,476	9,826	9,416	9,540	83,363	85,779	-2.8
Nonmetallic mineral products.....	11,562	11,443	11,403	1.0	0.4	0.2	12,081	12,676	12,161	11,106	102,585	98,570	4.1
Primary metals.....	20,437	20,174	20,164	1.3	0.0	-1.2	20,322	21,017	19,714	21,297	188,803	193,372	-2.4
Iron and steel mills.....	10,194	10,103	10,108	0.9	0.0	-0.7	10,027	10,580	9,993	10,775	95,877	96,439	-0.6
Aluminum and nonferrous metals.....	8,782	8,602	8,565	2.1	0.4	-2.3	8,797	8,896	8,280	9,151	79,176	84,316	-6.1
Ferrous metal foundries.....	1,461	1,469	1,491	-0.5	-1.5	1.4	1,498	1,541	1,441	1,371	13,750	12,617	9.0
Fabricated metal products.....	33,717	33,676	33,441	0.1	0.7	-1.1	34,742	35,676	33,084	33,156	305,302	295,293	3.4
Machinery.....	32,807	33,282	32,921	-1.4	1.1	-1.6	33,030	33,618	31,608	32,690	299,812	294,070	2.0
Farm machinery.....	2,556	2,548	2,467	0.3	3.3	-6.2	2,321	2,329	2,357	2,325	24,336	23,743	2.5
Construction machinery.....	2,943	3,134	2,926	-6.1	7.1	-7.1	2,855	3,107	2,742	2,861	27,376	26,571	3.0
Mining, oil field, and gas field machinery.....	1,315	1,429	1,487	-8.0	-3.9	-3.5	1,371	1,427	1,449	1,568	12,841	13,591	-5.5
Industrial machinery.....	3,005	2,982	2,795	0.8	6.7	-2.7	3,473	3,023	2,655	3,069	24,965	23,706	5.3
Photographic equipment.....	545	552	546	-1.3	1.1	-0.2	591	529	540	623	4,932	4,854	1.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,061	4,130	4,025	-1.7	2.6	-1.7	4,103	4,450	4,353	3,851	37,739	35,487	6.3
Metalworking machinery.....	2,590	2,625	2,689	-1.3	-2.4	3.5	2,666	2,621	2,494	2,595	23,244	24,151	-3.8
Turbines, generators, and other power transmission equipment.....	4,403	4,327	4,390	1.8	-1.4	-0.9	4,283	4,522	4,202	4,364	39,499	37,714	4.7
Material handling equipment.....	2,747	2,806	2,876	-2.1	-2.4	1.0	2,720	2,956	2,768	2,636	25,488	24,141	5.6
Computers and electronic products.....	27,668	27,786	27,861	-0.4	-0.3	-0.3	30,829	27,785	26,182	29,984	246,351	236,343	4.2
Computers.....	538	578	590	-6.9	-2.0	-1.2	661	623	552	996	5,485	7,070	-22.4
Computer storage devices.....	307	346	347	-11.3	-0.3	2.7	407	304	251	371	2,926	2,466	18.7
Other peripheral equipment.....	818	791	756	3.4	4.6	-5.5	1,006	722	739	898	6,923	6,522	6.1
Nondefense communications equipment.....	3,632	3,606	3,607	0.7	0.0	0.6	4,504	3,248	3,151	4,005	31,434	28,152	11.7
Defense communications equipment.....	263	261	269	0.8	-3.0	-14.9	290	277	244	340	2,517	2,521	-0.2
Audio and video equipment.....	295	310	337	-4.8	-8.0	0.6	273	282	289	248	2,517	1,891	33.1
Electronic components.....	3,613	3,693	3,613	-2.2	2.2	-1.0	3,773	3,996	3,566	3,542	32,689	31,369	4.2
Nondefense search and navigation equipment.....	1,482	1,568	1,570	-5.5	-0.1	0.4	1,665	1,552	1,407	1,682	14,006	13,609	2.9
Defense search and navigation equipment.....	2,834	2,826	2,846	0.3	-0.7	1.1	3,118	2,798	2,602	2,982	25,004	24,283	3.0
Electromedical, measuring, and control instruments.....	9,082	9,085	9,179	0.0	-1.0	0.5	10,235	8,935	8,627	10,423	81,661	81,182	0.6
Electrical equipment, appliances, and components.....	11,770	11,676	11,788	0.8	-1.0	-0.3	12,513	12,251	11,462	12,101	105,111	101,444	3.6
Electric lighting equipment.....	1,063	1,049	1,059	1.3	-0.9	-0.4	1,086	1,098	1,044	1,048	9,369	9,413	-0.5
Household appliances.....	1,783	1,789	1,733	-0.3	3.2	0.9	1,929	1,876	1,604	1,855	15,527	15,238	1.9
Electrical equipment.....	3,151	3,096	3,207	1.8	-3.5	-0.4	3,460	3,253	3,041	3,386	28,549	28,212	1.2
Batteries.....	947	921	917	2.8	0.4	-2.2	1,019	974	872	944	7,865	8,120	-3.1
Transportation equipment.....	84,404	85,558	86,507	-1.3	-1.1	-1.9	88,166	89,502	73,886	92,911	781,304	761,040	2.7
Automobiles.....	8,231	8,519	8,821	-3.4	-3.4	-2.6	8,305	9,121	6,785	8,633	78,837	81,502	-3.3
Light trucks and utility vehicles.....	21,428	22,080	22,499	-3.0	-1.9	2.3	22,346	23,812	18,312	21,971	192,332	175,613	9.5
Heavy duty trucks.....	2,927	2,894	2,927	1.1	-1.1	-2.5	2,970	2,994	2,988	2,760	27,644	24,407	13.3
Motor vehicle bodies, parts, and trailers.....	28,019	28,171	28,361	-0.5	-0.7	0.1	28,058	30,027	25,332	27,005	255,862	243,748	5.0
Nondefense aircraft and parts.....	9,332	9,170	9,375	1.8	-2.2	-15.3	10,789	8,706	8,132	17,495	97,252	116,910	-16.8
Defense aircraft and parts.....	4,225	4,358	4,543	-3.1	-4.1	-0.6	4,815	4,360	3,904	5,380	40,105	39,690	1.0
Ships and boats.....	2,600	2,677	2,630	-2.9	1.8	-9.0	2,646	2,526	2,406	2,785	24,933	24,907	0.1
Furniture and related products.....	6,780	6,684	6,845	1.4	-2.4	-0.4	6,755	7,217	6,993	6,428	60,987	58,622	4.0
Miscellaneous durable goods.....	13,828	13,844	13,774	-0.1	0.5	0.0	14,426	13,600	13,210	14,185	122,361	122,913	-0.4
Nondurable goods industries.....	248,991	248,852	249,825	0.1	-0.4	0.7	252,221	257,023	252,357	253,594	2,241,815	2,239,116	0.1
Food products.....	68,022	68,098	67,977	-0.1	0.2	1.0	69,246	69,706	65,941	68,204	602,855	601,573	0.2
Grain and oilseed milling.....	7,423	7,454	7,375	-0.4	1.1	-1.8	7,264	7,722	7,238	7,488	66,387	69,915	-5.0
Dairy products.....	9,449	9,484	9,544	-0.4	-0.6	1.4	9,440	9,741	9,495	9,302	83,917	84,527	-0.7
Meat, poultry, and seafood products.....	19,330	19,335	19,248	0.0	0.5	0.8	19,372	19,966	18,977	19,261	174,273	174,669	-0.2
Beverage and tobacco products.....	13,080	13,174	13,019	-0.7	1.2	3.5	13,455	13,657	13,196	13,040	114,353	113,267	1.0
Beverages.....	8,790	8,670	8,684	1.4	-0.2	1.1	9,165	9,153	8,861	8,932	78,593	78,665	-0.1
Tobacco.....	4,290	4,504	4,335	-4.8	3.9	8.8	4,290	4,504	4,335	4,108	35,760	34,602	3.3
Textile mills.....	2,420	2,433	2,453	-0.5	-0.8	-1.2	2,436	2,602	2,443	2,526	22,475	22,808	-1.5
Textile products.....	2,263	2,267	2,280	-0.2	-0.6	0.6	2,238	2,384	2,321	2,297	20,751	20,575	0.9
Apparel.....	946	946	950	0.0	-0.4	-3.0	992	1,051	979	1,017	8,370	8,443	-0.9
Leather and allied products.....	407	409	425	-0.5	-3.8	1.7	387	413	429	389	3,786	3,732	1.4
Paper products.....	16,275	16,263	16,243	0.1	0.1	0.2	16,473	16,943	16,442	16,232	145,873	144,906	0.7
Pulp, paper, and paperboard mills.....	6,579	6,565	6,581	0.2	-0.2	1.6	6,725	6,872	6,807	6,735	58,666	59,386	-1.2
Paperboard containers.....	5,732	5,741	5,703	-0.2	0.7	-0.5	5,817	6,039	5,707	5,597	51,534	50,282	2.5
Printing.....	6,924	6,916	6,913	0.1	0.0	1.3	7,140	7,091	6,793	6,540	60,536	58,446	3.6
Petroleum and coal products.....	51,273	51,085	52,910	0.4	-3.4	1.6	52,275	54,321	56,778	58,599	478,259	497,034	-3.8
Petroleum refineries.....	46,859	46,756	48,655	0.2	-3.9	1.9	47,319	49,142	51,834	54,035	438,613	460,207	-4.7
Chemical products.....	67,597	67,437	66,837	0.2	0.9	-0.5	67,660	68,206	66,865	65,086	604,435	588,377	2.7
Pesticides, fertilizers, and other agricultural chemicals.....	2,655	2,559	2,487	3.8	2.9	-4.9	2,502	2,197	2,097	2,610	24,907	25,110	-0.8
Pharmaceuticals and medicines.....	23,616	23,456	22,857	0.7	2.6	-0.8	23,988	23,476	22,693	21,737	204,319	189,244	8.0
Paints, coatings, and adhesives.....	3,868	3,876	3,875	-0.2	0.0	-0.5	3,776	4,144	4,096	3,666	35,922	35,209	2.0
Plastics and rubber products.....	19,784	19,824	19,818	-0.2	0.0	0.1	19,919	20,649	20,170	19,664	180,122	179,955	0.1

² Preliminary¹ Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.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/>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 4, 2019. 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 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		
	Sep. 2019 ^p	Aug. 2019 ^f	July 2019	Aug. - Sep.	July - Aug.	June - July	Sep. 2019 ^p	Aug. 2019 ^f	July 2019	Sep. 2018	2019 ^p	2018	% Change 2019/ 2018
All manufacturing industries ²	496,651	499,585	500,153	-0.6	-0.1	1.4	507,418	511,110	485,683	520,015	4,478,086	4,493,324	-0.3
Excluding transportation ²	412,309	412,814	413,552	-0.1	-0.2	0.2	419,911	423,344	411,802	419,550	3,721,983	3,708,414	0.4
Excluding defense ²	480,269	483,182	486,449	-0.6	-0.7	1.0	487,052	496,948	475,654	494,628	4,346,665	4,359,188	-0.3
With unfilled orders ²	173,675	175,862	175,020	-1.2	0.5	3.0	178,825	175,547	164,243	192,018	1,566,577	1,607,336	-2.5
Durable goods industries ²	247,660	250,733	250,328	-1.2	0.2	2.1	255,197	254,087	233,326	266,421	2,236,271	2,254,208	-0.8
Primary metals.....	20,576	20,582	20,259	0.0	1.6	-0.8	19,591	20,790	19,876	20,757	188,536	195,981	-3.8
Iron and steel mills.....	10,348	10,440	10,256	-0.9	1.8	0.3	9,501	10,508	10,257	10,300	95,688	98,557	-2.9
Aluminum and nonferrous metals.....	8,818	8,623	8,544	2.3	0.9	-2.1	8,705	8,688	8,207	9,076	79,174	84,599	-6.4
Ferrous metal foundries.....	1,410	1,519	1,459	-7.2	4.1	-0.7	1,385	1,594	1,412	1,381	13,674	12,825	6.6
Fabricated metal products.....	33,567	34,101	33,906	-1.6	0.6	-0.8	33,614	35,704	33,477	32,476	308,382	302,476	2.0
Machinery.....	32,762	32,681	32,777	0.2	-0.3	-1.0	32,399	32,559	31,682	32,616	297,404	297,653	-0.1
Construction machinery.....	2,723	2,756	2,732	-1.2	0.9	-4.7	2,673	2,698	2,492	3,121	25,269	26,903	-6.1
Mining, oil field, and gas field machinery.....	1,295	1,403	1,428	-7.7	-1.8	2.6	1,351	1,401	1,390	1,672	12,290	13,444	-8.6
Industrial machinery.....	3,008	2,934	2,726	2.5	7.6	2.3	3,417	2,942	2,593	3,022	24,589	23,766	3.5
Photographic equipment.....	569	536	460	6.2	16.5	-21.9	664	500	477	599	4,590	4,485	2.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,094	4,093	3,992	0.0	2.5	-1.6	4,028	4,199	4,250	3,878	38,343	36,369	5.4
Metalworking machinery.....	2,599	2,512	2,727	3.5	-7.9	6.5	2,556	2,458	2,577	2,468	22,581	24,106	-6.3
Turbines, generators, and other power transmission equipment.....	4,377	4,305	4,478	1.7	-3.9	0.4	4,257	4,500	4,290	4,229	39,400	37,341	5.5
Material handling equipment.....	2,699	2,764	2,880	-2.4	-4.0	-8.3	2,631	2,795	2,751	2,675	25,441	25,636	-0.8
Computers and electronic products ²	23,340	23,618	23,640	-1.2	-0.1	-0.2	27,017	22,033	21,337	26,946	209,847	204,590	2.6
Computers.....	579	545	580	6.2	-6.0	3.0	702	590	542	1,044	5,435	7,295	-25.5
Nondefense communications equipment.....	3,479	3,429	3,566	1.5	-3.8	-0.7	4,381	2,943	2,950	4,182	30,683	29,277	4.8
Defense communications equipment.....	233	225	227	3.6	-0.9	-8.8	278	250	190	330	2,209	2,557	-13.6
Electronic components.....	3,761	3,791	3,621	-0.8	4.7	1.0	3,910	3,974	3,689	3,550	32,813	32,112	2.2
Nondefense search and navigation equipment.....	1,658	1,716	1,611	-3.4	6.5	1.6	1,830	1,543	1,500	1,740	14,838	14,254	4.1
Defense search and navigation equipment.....	2,850	2,929	2,899	-2.7	1.0	-5.3	3,360	2,616	2,327	3,283	26,343	24,184	8.9
Electromedical, measuring, and control instruments.....	8,896	9,076	9,240	-2.0	-1.8	1.3	10,374	8,333	8,448	10,960	81,295	81,741	-0.5
Electrical equipment, appliances, and components.....	11,814	11,737	11,991	0.7	-2.1	0.2	12,277	12,253	11,543	11,670	106,080	101,798	4.2
Electric lighting equipment.....	1,124	1,116	1,123	0.7	-0.6	0.0	1,137	1,151	1,084	1,038	9,788	9,479	3.3
Household appliances.....	1,782	1,816	1,767	-1.9	2.8	0.8	1,957	1,894	1,637	1,876	15,637	15,427	1.4
Electrical equipment.....	3,102	3,083	3,241	0.6	-4.9	0.0	3,225	3,203	3,116	3,145	28,660	27,882	2.8
Transportation equipment.....	84,342	86,771	86,601	-2.8	0.2	7.3	87,507	87,766	73,881	100,465	756,103	784,910	-3.7
Motor vehicle bodies, parts, and trailers.....	27,690	27,914	28,183	-0.8	-1.0	-0.3	27,584	30,207	24,830	27,174	254,632	244,061	4.3
Nondefense aircraft and parts.....	7,987	9,059	10,936	-11.8	-17.2	52.2	6,646	7,027	11,421	14,484	75,121	123,739	-39.3
Defense aircraft and parts.....	5,735	5,404	3,539	6.1	52.7	34.7	7,202	3,652	2,544	12,259	40,313	46,326	-13.0
Ships and boats.....	2,023	3,468	1,953	-41.7	77.6	86.9	2,152	3,187	416	3,735	24,166	27,896	-13.4
Furniture and related products.....	6,693	6,756	6,879	-0.9	-1.8	-0.3	6,784	6,882	6,733	6,741	61,533	59,600	3.2
Nondurable goods industries.....	248,991	248,852	249,825	0.1	-0.4	0.7	252,221	257,023	252,357	253,594	2,241,815	2,239,116	0.1

^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/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 4, 2019. 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 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				
	Monthly			Percent Change			Monthly				% Change September 2019/ 2018
	Sep. 2019 ^b	Aug. 2019 ^f	July 2019	Aug. - Sep.	July - Aug.	June - July	Sep. 2019 ^b	Aug. 2019 ^f	July 2019	Sep. 2018	
All manufacturing industries ²	1,163,347	1,163,471	1,161,801	0.0	0.1	0.1	1,157,250	1,159,992	1,164,501	1,178,161	-1.8
Excluding transportation ²	368,820	368,882	368,425	0.0	0.1	0.2	365,874	367,957	370,730	364,452	0.4
Excluding defense ²	962,835	964,623	964,646	-0.2	0.0	0.2	955,674	962,736	966,919	982,312	-2.7
Durable goods industries ²	1,163,347	1,163,471	1,161,801	0.0	0.1	0.1	1,157,250	1,159,992	1,164,501	1,178,161	-1.8
Primary metals.....	31,851	31,712	31,304	0.4	1.3	0.3	30,836	31,567	31,794	30,487	1.1
Iron and steel mills.....	16,623	16,469	16,132	0.9	2.1	0.9	16,080	16,606	16,678	16,336	-1.6
Aluminum and nonferrous metals.....	11,789	11,753	11,732	0.3	0.2	-0.2	11,394	11,486	11,694	10,789	5.6
Ferrous metal foundries.....	3,439	3,490	3,440	-1.5	1.5	-0.9	3,362	3,475	3,422	3,362	0.0
Fabricated metal products.....	86,872	87,022	86,597	-0.2	0.5	0.5	86,644	87,772	87,744	84,557	2.5
Machinery.....	102,243	102,288	102,889	0.0	-0.6	-0.1	101,392	102,023	103,082	104,920	-3.4
Construction machinery.....	4,499	4,719	5,097	-4.7	-7.4	-3.7	4,254	4,436	4,845	6,330	-32.8
Mining, oil field, and gas field machinery.....	3,655	3,675	3,701	-0.5	-0.7	-1.6	3,655	3,675	3,701	4,392	-16.8
Industrial machinery.....	7,799	7,796	7,844	0.0	-0.6	-0.9	7,730	7,786	7,867	8,526	-9.3
Photographic equipment.....	1,287	1,263	1,279	1.9	-1.3	-6.3	1,248	1,175	1,204	1,461	-14.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,017	7,984	8,021	0.4	-0.5	-0.4	7,713	7,788	8,039	6,993	10.3
Metalworking machinery.....	6,791	6,782	6,895	0.1	-1.6	0.6	6,675	6,785	6,948	7,720	-13.5
Turbines, generators, and other power transmission equipment.....	28,654	28,680	28,702	-0.1	-0.1	0.3	28,654	28,680	28,702	29,447	-2.7
Material handling equipment.....	12,974	13,022	13,064	-0.4	-0.3	0.0	13,022	13,111	13,272	12,920	0.8
Computers and electronic products ²	118,477	118,465	118,371	0.0	0.1	0.1	117,863	117,274	118,454	115,704	1.9
Computers.....	2,145	2,104	2,137	1.9	-1.5	-0.5	2,145	2,104	2,137	2,103	2.0
Nondefense communications equipment.....	24,198	24,351	24,528	-0.6	-0.7	-0.2	24,007	24,130	24,435	24,754	-3.0
Defense communications equipment.....	1,006	1,036	1,072	-2.9	-3.4	-3.8	1,027	1,039	1,066	1,466	-29.9
Electronic components.....	13,041	12,893	12,795	1.1	0.8	0.1	12,920	12,783	12,805	12,565	2.8
Nondefense search and navigation equipment.....	20,755	20,579	20,431	0.9	0.7	0.2	20,693	20,528	20,537	19,718	4.9
Defense search and navigation equipment.....	29,447	29,431	29,328	0.1	0.4	0.2	29,405	29,163	29,345	27,106	8.5
Electromedical, measuring, and control instruments.....	27,885	28,071	28,080	-0.7	0.0	0.2	27,666	27,527	28,129	27,992	-1.2
Electrical equipment, appliances, and components.....	20,135	20,091	20,030	0.2	0.3	1.0	19,924	20,160	20,158	19,386	2.8
Electric lighting equipment.....	1,753	1,692	1,625	3.6	4.1	4.1	1,770	1,719	1,666	1,411	25.4
Household appliances.....	1,284	1,285	1,258	-0.1	2.1	2.8	1,325	1,297	1,279	1,373	-3.5
Electrical equipment.....	7,968	8,017	8,030	-0.6	-0.2	0.4	7,765	8,000	8,050	7,505	3.5
Transportation equipment.....	794,527	794,589	793,376	0.0	0.2	0.0	791,376	792,035	793,771	813,709	-2.7
Motor vehicle bodies, parts, and trailers.....	26,198	26,527	26,784	-1.2	-1.0	-0.7	25,962	26,436	26,256	26,820	-3.2
Nondefense aircraft and parts.....	579,892	581,237	581,348	-0.2	0.0	0.3	576,057	580,200	581,879	599,939	-4.0
Defense aircraft and parts.....	82,402	80,892	79,846	1.9	1.3	-1.2	82,397	80,010	80,718	79,130	4.1
Ships and boats.....	28,844	29,421	28,630	-2.0	2.8	-2.3	28,737	29,231	28,570	30,043	-4.3
Furniture and related products.....	8,642	8,729	8,657	-1.0	0.8	0.4	8,615	8,586	8,921	8,857	-2.7

^b 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 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/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 4, 2019. 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

[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 September 2019/ 2018
	Sep. 2019 ^p	Aug. 2019 ^r	July 2019	Aug. - Sep.	July - Aug.	June - July	Sep. 2019 ^p	Aug. 2019 ^r	July 2019	Sep. 2018	
All manufacturing industries.....	697,876	695,671	696,204	0.3	-0.1	0.1	698,015	700,055	700,944	681,230	2.5
Excluding transportation.....	552,403	552,354	554,699	0.0	-0.4	-0.2	552,080	555,435	558,112	550,972	0.2
Excluding defense.....	669,499	667,556	667,811	0.3	0.0	0.1	669,607	671,888	672,446	654,324	2.3
With unfilled orders.....	351,089	349,208	348,200	0.5	0.3	0.3	351,241	352,576	351,348	334,437	5.0
Durable goods industries.....	430,324	428,293	427,196	0.5	0.3	0.4	430,039	432,002	430,599	410,520	4.8
Wood products.....	12,092	12,136	12,113	-0.4	0.2	-0.5	11,883	11,992	11,914	12,115	-1.9
Nonmetallic mineral products.....	15,037	15,053	15,029	-0.1	0.2	0.5	14,851	14,999	15,096	14,552	2.1
Primary metals.....	34,777	34,972	35,480	-0.6	-1.4	-0.8	34,857	35,270	35,902	35,887	-2.9
Iron and steel mills.....	18,850	19,138	19,715	-1.5	-2.9	-1.7	18,990	19,315	19,931	20,489	-7.3
Aluminum and nonferrous metals.....	13,805	13,701	13,657	0.8	0.3	0.7	13,797	13,826	13,861	13,389	3.0
Ferrous metal foundries.....	2,122	2,133	2,108	-0.5	1.2	-2.6	2,070	2,129	2,110	2,009	3.0
Fabricated metal products.....	54,324	54,328	54,494	0.0	-0.3	-0.3	54,292	54,543	55,038	54,277	0.0
Machinery.....	72,158	72,242	72,390	-0.1	-0.2	0.4	72,239	72,960	72,618	69,777	3.5
Farm machinery.....	4,246	4,190	4,294	1.3	-2.4	5.6	4,026	4,019	4,110	3,591	12.1
Construction machinery.....	5,921	5,980	5,947	-1.0	0.6	2.7	5,954	5,954	5,895	5,553	7.2
Mining, oil field, and gas field machinery.....	5,456	5,451	5,483	0.1	-0.6	0.4	5,401	5,489	5,475	5,397	0.1
Industrial machinery.....	8,500	8,490	8,446	0.1	0.5	-0.3	8,815	8,703	8,428	9,007	-2.1
Photographic equipment.....	1,756	1,747	1,748	0.5	-0.1	-1.4	1,756	1,813	1,785	1,699	3.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,508	5,541	5,604	-0.6	-1.1	0.2	5,334	5,530	5,642	4,940	8.0
Metalworking machinery.....	6,102	6,156	6,147	-0.9	0.1	0.7	6,198	6,276	6,186	6,023	2.9
Turbines, generators, and other power transmission equipment.....	9,527	9,585	9,580	-0.6	0.1	-1.0	9,498	9,782	9,737	9,611	-1.2
Material handling equipment.....	5,916	5,937	5,971	-0.4	-0.6	-1.6	6,086	6,086	6,097	5,983	1.7
Computers and electronic products ²	43,582	43,406	43,300	0.4	0.2	-0.3	43,320	44,051	43,741	43,139	0.4
Computers.....	1,636	1,592	1,586	2.8	0.4	0.4	1,686	1,637	1,629	1,540	9.5
Computer storage devices.....	1,179	1,156	1,132	2.0	2.1	2.5	1,115	1,188	1,174	986	13.1
Other peripheral equipment.....	1,098	1,084	1,092	1.3	-0.7	-2.8	1,073	1,124	1,119	1,185	-9.5
Nondefense communications equipment.....	4,883	4,865	4,854	0.4	0.2	0.4	4,782	4,994	4,852	4,641	3.0
Defense communications equipment.....	712	723	723	-1.5	0.0	0.6	712	723	723	646	10.2
Audio and video equipment.....	658	657	647	0.2	1.5	-2.7	710	684	639	616	15.3
Electronic components.....	7,188	7,234	7,280	-0.6	-0.6	-1.1	7,176	7,230	7,373	7,325	-2.0
Nondefense search and navigation equipment.....	2,746	2,717	2,696	1.1	0.8	0.5	2,759	2,760	2,735	2,592	6.4
Defense search and navigation equipment.....	2,553	2,549	2,527	0.2	0.9	-0.3	2,484	2,572	2,565	2,536	-2.1
Electromedical, measuring and control instruments.....	15,689	15,588	15,550	0.6	0.2	-0.1	15,544	15,852	15,722	15,283	1.7
Electrical equipment, appliances, and components.....	20,265	20,285	20,342	-0.1	-0.3	0.2	19,972	20,589	20,726	18,937	5.5
Electric lighting equipment.....	2,277	2,277	2,254	0.0	1.0	0.3	2,271	2,300	2,300	2,238	1.5
Household appliances.....	2,889	2,912	2,936	-0.8	-0.8	-0.3	2,863	3,025	3,033	2,788	2.7
Electrical equipment.....	5,729	5,737	5,718	-0.1	0.3	-0.3	5,419	5,783	5,796	5,042	7.5
Batteries.....	1,829	1,897	1,937	-3.6	-2.1	-1.2	1,899	2,009	2,030	1,902	-0.2
Transportation equipment.....	145,473	143,317	141,505	1.5	1.3	1.3	145,935	144,620	142,832	130,258	12.0
Automobiles.....	5,129	4,980	4,926	3.0	1.1	2.7	5,272	5,038	5,012	4,184	26.0
Light trucks and utility vehicles.....	4,987	5,065	4,968	-1.5	2.0	1.3	5,043	5,212	5,214	4,630	8.9
Heavy duty trucks.....	2,245	2,200	2,223	2.0	-1.0	2.9	2,161	2,236	2,321	2,120	1.9
Motor vehicle bodies, parts, and trailers.....	26,680	26,554	26,485	0.5	0.3	-0.1	26,623	26,668	26,783	25,652	3.8
Nondefense aircraft and parts.....	76,742	75,170	73,346	2.1	2.5	1.7	76,974	75,848	73,654	66,119	16.4
Defense aircraft and parts.....	13,495	13,409	13,399	0.6	0.1	0.3	13,487	13,437	13,403	13,123	2.8
Ships and boats.....	3,335	3,303	3,322	1.0	-0.6	2.6	3,454	3,323	3,402	3,001	15.1
Furniture and related products.....	8,064	8,047	7,993	0.2	0.7	-0.1	8,014	8,171	8,156	7,914	1.3
Miscellaneous durable goods.....	24,552	24,507	24,550	0.2	-0.2	0.0	24,676	24,807	24,576	23,664	4.3
Nondurable goods industries.....	267,552	267,378	269,008	0.1	-0.6	-0.2	267,976	268,053	270,345	270,710	-1.0
Food products.....	54,509	54,347	54,399	0.3	-0.1	0.0	55,226	54,807	54,225	54,913	0.6
Grain and oilseed milling.....	5,399	5,397	5,398	0.0	0.0	3.4	5,227	5,258	5,237	5,127	2.0
Dairy products.....	7,862	7,822	7,834	0.5	-0.2	0.2	7,913	7,968	8,096	7,667	3.2
Meat, poultry, and seafood products.....	9,541	9,555	9,516	-0.1	0.4	0.7	9,626	9,789	9,715	9,396	2.4
Beverage and tobacco products.....	25,031	25,137	25,267	-0.4	-0.5	0.2	24,861	24,318	24,430	24,391	1.9
Beverages.....	20,604	20,693	20,779	-0.4	-0.4	0.4	20,592	20,204	20,267	19,998	3.0
Tobacco.....	4,427	4,444	4,488	-0.4	-1.0	-0.8	4,269	4,114	4,163	4,393	-2.8
Textile mills.....	3,360	3,365	3,375	-0.1	-0.3	1.1	3,353	3,370	3,387	3,261	2.8
Textile products.....	3,506	3,489	3,554	0.5	-1.8	0.2	3,522	3,499	3,555	3,535	-0.4
Apparel.....	1,913	1,919	1,923	-0.3	-0.2	-1.6	1,987	2,023	2,012	2,034	-2.3
Leather and allied products.....	776	775	770	0.1	0.6	-0.1	781	785	779	803	-2.7
Paper products.....	16,306	16,333	16,273	-0.2	0.4	-0.5	16,331	16,397	16,359	16,101	1.4
Pulp, paper, and paperboard mills.....	6,818	6,844	6,811	-0.4	0.5	-0.4	6,749	6,838	6,821	6,416	5.2
Paperboard containers.....	5,082	5,078	5,060	0.1	0.4	-0.8	5,134	5,103	5,081	5,159	-0.5
Printing.....	5,566	5,525	5,524	0.7	0.0	-0.4	5,626	5,558	5,511	5,577	0.9
Petroleum and coal products.....	38,594	38,908	40,001	-0.8	-2.7	-0.7	39,352	39,496	41,359	44,371	-11.3
Petroleum refineries.....	32,863	33,151	34,237	-0.9	-3.2	-0.9	33,681	33,681	35,518	38,503	-12.5
Chemical products.....	91,125	90,639	90,725	0.5	-0.1	-0.3	90,145	90,905	91,528	88,867	1.4
Pesticides, fertilizers, and other agricultural chemicals.....	5,168	5,115	5,099	1.0	0.3	0.6	4,745	4,837	4,819	4,095	15.9
Pharmaceuticals and medicines.....	37,743	37,227	37,069	1.4	0.4	-0.3	37,337	37,301	37,493	36,070	3.5
Paints, coatings, and adhesives.....	3,887	3,866	3,860	0.5	0.2	-0.1	3,817	3,790	3,869	3,890	-1.9
Plastics and rubber products.....	26,866	26,941	27,197	-0.3	-0.9	-0.2	26,792	26,895	27,200	26,857	-0.2

^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 Estimates of inventories for the semiconductor industry data 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/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 4, 2019. 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 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						
	Monthly			Percent Change			Monthly				Year to date		% Change ⁶
	Sep. 2019 ^p	Aug. 2019 ^f	July 2019	Aug. - Sep.	July - Aug.	June - July	Sep. 2019 ^p	Aug. 2019 ^f	July 2019	Sep. 2018	2019 ^p	2018	
SHIPMENTS													
All manufacturing industries.....	501,115	502,177	503,617	-0.2	-0.3	-0.3	514,561	520,191	490,073	516,992	4,537,794	4,486,562	1.1
Construction materials and supplies.....	52,454	52,399	52,172	0.1	0.4	-0.6	54,128	56,926	54,575	52,114	475,657	465,730	2.1
Information technology.....	25,086	25,204	25,375	-0.5	-0.7	0.0	28,265	24,796	23,715	27,776	225,071	215,302	4.5
Computers and related products.....	1,663	1,715	1,693	-3.0	1.3	-2.4	2,074	1,649	1,542	2,265	15,334	16,058	-4.5
Motor vehicle and parts.....	60,605	61,664	62,608	-1.7	-1.5	0.3	61,679	65,954	53,417	60,369	554,675	525,270	5.6
Capital goods.....	86,901	86,943	87,058	0.0	-0.1	-2.9	93,421	86,622	81,357	97,752	794,131	787,889	0.8
Nondefense capital goods ³	74,165	74,302	74,492	-0.2	-0.3	-2.9	79,643	74,225	70,409	84,982	681,788	686,906	-0.7
Excluding aircraft.....	68,861	69,355	69,413	-0.7	-0.1	-0.7	72,896	69,536	66,200	71,717	622,979	607,215	2.6
Defense capital goods ⁴	12,736	12,641	12,566	0.8	0.6	-2.6	13,778	12,397	10,948	12,770	112,343	100,983	11.2
Consumer goods.....	211,233	212,069	213,705	-0.4	-0.8	1.0	214,997	219,639	208,049	217,652	1,899,190	1,887,781	0.6
Consumer durable goods.....	43,486	44,474	45,110	-2.2	-1.4	0.7	44,748	46,852	37,950	44,522	394,387	379,245	4.0
Consumer nondurable goods.....	167,747	167,595	168,595	0.1	-0.6	1.1	170,249	172,787	170,099	173,130	1,504,803	1,508,536	-0.2
NEW ORDERS													
All manufacturing industries ⁵	496,651	499,585	500,153	-0.6	-0.1	1.4	507,418	511,110	485,683	520,015	4,478,086	4,493,324	-0.3
Construction materials and supplies.....	52,434	52,622	52,526	-0.4	0.2	-0.6	53,246	56,537	54,745	51,577	477,919	471,404	1.4
Information technology.....	25,007	25,164	25,422	-0.6	-1.0	-0.7	28,710	23,590	22,959	28,662	225,754	217,853	3.6
Computers and related products.....	1,704	1,682	1,683	1.3	-0.1	-1.1	2,115	1,616	1,532	2,313	15,284	16,283	-6.1
Motor vehicle and parts.....	60,276	61,407	62,430	-1.8	-1.6	0.2	61,205	66,134	52,915	60,538	553,445	525,583	5.3
Capital goods.....	84,590	87,404	87,815	-3.2	-0.5	6.4	89,439	83,185	82,225	99,157	770,562	806,019	-4.4
Nondefense capital goods ³	71,443	73,584	75,994	-2.9	-3.2	5.2	72,804	70,673	73,518	81,808	657,396	696,708	-5.6
Excluding aircraft.....	68,495	68,901	69,435	-0.6	-0.8	0.0	72,041	67,579	65,694	72,022	620,083	613,994	1.0
Defense capital goods ⁴	13,147	13,820	11,821	-4.9	16.9	14.7	16,635	12,512	8,707	17,349	113,166	109,311	3.5
Consumer goods.....	211,225	212,171	213,741	-0.4	-0.7	1.0	215,125	219,658	208,144	217,725	1,899,587	1,887,908	0.6
Consumer durable goods.....	43,478	44,576	45,146	-2.5	-1.3	0.4	44,876	46,871	38,045	44,595	394,784	379,372	4.1
Consumer nondurable goods.....	167,747	167,595	168,595	0.1	-0.6	1.1	170,249	172,787	170,099	173,130	1,504,803	1,508,536	-0.2
UNFILLED ORDERS													
All manufacturing industries ⁵	1,163,347	1,163,471	1,161,801	0.0	0.1	0.1	1,157,250	1,159,992	1,164,501	1,178,161	(X)	(X)	-1.8
Construction materials and supplies.....	60,515	60,535	60,312	0.0	0.4	0.6	60,067	60,949	61,338	58,245	(X)	(X)	3.1
Information technology.....	115,853	115,932	115,972	-0.1	0.0	0.0	115,255	114,810	116,016	113,697	(X)	(X)	1.4
Computers and related products.....	2,145	2,104	2,137	1.9	-1.5	-0.5	2,145	2,104	2,137	2,103	(X)	(X)	2.0
Motor vehicle and parts.....	26,198	26,527	26,784	-1.2	-1.0	-0.7	25,962	26,436	26,256	26,820	(X)	(X)	-3.2
Capital goods.....	847,799	850,110	849,649	-0.3	0.1	0.1	843,628	847,610	851,047	867,223	(X)	(X)	-2.7
Nondefense capital goods ³	690,286	693,008	693,726	-0.4	-0.1	0.2	685,028	691,867	695,419	712,614	(X)	(X)	-3.9
Excluding aircraft.....	217,770	218,136	218,590	-0.2	-0.2	0.0	216,449	217,304	219,261	221,269	(X)	(X)	-2.2
Defense capital goods ⁴	157,513	157,102	155,923	0.3	0.8	-0.5	158,600	155,743	155,628	154,609	(X)	(X)	2.6
Consumer goods.....	4,870	4,878	4,776	-0.2	2.1	0.8	4,883	4,755	4,736	4,938	(X)	(X)	-1.1
Consumer durable goods.....	4,870	4,878	4,776	-0.2	2.1	0.8	4,883	4,755	4,736	4,938	(X)	(X)	-1.1
TOTAL INVENTORIES													
All manufacturing industries.....	697,876	695,671	696,204	0.3	-0.1	0.1	698,015	700,055	700,944	681,230	(X)	(X)	2.5
Construction materials and supplies.....	73,117	73,264	73,412	-0.2	-0.2	-0.1	72,615	73,171	73,740	73,037	(X)	(X)	-0.6
Information technology.....	40,690	40,383	40,290	0.8	0.2	0.1	40,382	41,068	40,745	38,939	(X)	(X)	3.7
Computers and related products.....	3,913	3,832	3,810	2.1	0.6	0.1	3,874	3,949	3,922	3,711	(X)	(X)	4.4
Motor vehicle and parts.....	39,041	38,799	38,602	0.6	0.5	0.6	39,099	39,154	39,330	36,586	(X)	(X)	6.9
Capital goods.....	218,336	216,402	214,858	0.9	0.7	0.9	218,184	218,978	216,358	202,055	(X)	(X)	8.0
Nondefense capital goods ³	194,386	192,686	190,851	0.9	1.0	0.9	194,195	195,238	192,250	179,462	(X)	(X)	8.2
Excluding aircraft.....	130,139	129,881	129,977	0.2	-0.1	0.3	129,848	131,617	131,127	125,491	(X)	(X)	3.5
Defense capital goods ⁴	23,950	23,716	24,007	1.0	-1.2	1.3	23,989	23,740	24,108	22,593	(X)	(X)	6.2
Consumer goods.....	202,954	202,615	203,551	0.2	-0.5	-0.1	204,279	203,675	204,740	204,942	(X)	(X)	-0.3
Consumer durable goods.....	32,393	32,294	32,100	0.3	0.6	0.4	32,620	32,873	32,422	30,502	(X)	(X)	6.9
Consumer nondurable goods.....	170,561	170,321	171,451	0.1	-0.7	-0.2	171,659	170,802	172,318	174,440	(X)	(X)	-1.6

^x Not Applicable

^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 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.

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, September Full Report, November 4, 2019. 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 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 September 2019/ 2018
	Sep. 2019 ^b	Aug. 2019 ^c	July 2019	Aug. - Sep.	July - Aug.	June - July	Sep. 2019 ^b	Aug. 2019 ^c	July 2019	Sep. 2018	
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries.....	236,941	237,317	237,764	-0.2	-0.2	-0.2	237,459	238,247	239,269	236,467	0.4
Durable goods industries.....	145,526	145,419	145,850	0.1	-0.3	0.1	146,261	146,525	146,920	144,142	1.5
Wood products.....	5,207	5,177	5,160	0.6	0.3	-0.6	5,239	5,192	5,055	5,135	2.0
Nonmetallic mineral products.....	6,169	6,208	6,211	-0.6	0.0	0.4	6,160	6,213	6,232	5,947	3.6
Primary metals.....	12,357	12,547	12,780	-1.5	-1.8	-2.0	12,528	12,709	12,923	13,199	-5.1
Fabricated metal products.....	20,360	20,326	20,379	0.2	-0.3	-0.5	20,588	20,488	20,609	20,926	-1.6
Machinery.....	29,167	29,265	29,430	-0.3	-0.6	0.8	29,311	29,511	29,587	28,209	3.9
Computers and electronic products.....	19,344	19,354	19,313	-0.1	0.2	0.7	19,251	19,471	19,482	18,822	2.3
Electrical equipment, appliances, and components.....	8,487	8,527	8,560	-0.5	-0.4	0.3	8,358	8,612	8,661	8,049	3.8
Transportation equipment.....	32,562	32,180	32,163	1.2	0.1	0.5	32,942	32,315	32,386	32,034	2.8
Furniture and related products.....	3,807	3,823	3,838	-0.4	-0.4	-1.2	3,776	3,861	3,901	3,876	-2.6
Miscellaneous products.....	8,066	8,012	8,016	0.7	0.0	-0.1	8,108	8,153	8,084	7,945	2.1
Nondurable goods industries.....	91,415	91,898	91,914	-0.5	0.0	-0.8	91,198	91,722	92,349	92,325	-1.2
Food products.....	18,466	18,307	18,046	0.9	1.4	-0.5	18,375	18,184	18,058	17,804	3.2
Beverage and tobacco products.....	5,895	5,935	5,994	-0.7	-1.0	-0.3	5,793	5,643	5,698	5,854	-1.0
Textiles.....	1,128	1,137	1,142	-0.8	-0.4	-0.3	1,121	1,147	1,149	1,142	-1.8
Textile products.....	1,352	1,354	1,356	-0.1	-0.1	-0.6	1,357	1,357	1,358	1,327	2.3
Apparel.....	462	473	472	-2.3	0.2	-0.2	461	477	477	516	-10.7
Leather and allied products.....	272	277	275	-1.8	0.7	-0.4	274	280	281	274	0.0
Paper products.....	8,070	8,090	8,015	-0.2	0.9	-1.6	8,108	8,116	8,019	8,245	-1.7
Printing.....	2,781	2,798	2,785	-0.6	0.5	-1.2	2,800	2,807	2,804	2,878	-2.7
Petroleum and coal products.....	10,186	10,512	10,731	-3.1	-2.0	-4.0	10,256	10,368	11,021	12,281	-16.5
Chemical products.....	31,541	31,677	31,685	-0.4	0.0	0.0	31,316	31,913	32,032	30,582	2.4
Plastics and rubber products.....	11,262	11,338	11,413	-0.7	-0.7	-0.1	11,337	11,430	11,452	11,422	-0.7
<u>WORK IN PROCESS</u>											
All manufacturing industries.....	217,526	215,293	214,932	1.0	0.2	0.5	216,413	216,343	216,533	208,046	4.0
Durable goods industries.....	163,975	161,998	160,701	1.2	0.8	0.7	163,568	163,643	162,217	151,292	8.1
Wood products.....	2,133	2,223	2,226	-4.0	-0.1	0.1	2,103	2,201	2,196	2,241	-6.2
Nonmetallic mineral products.....	1,563	1,560	1,577	0.2	-1.1	0.3	1,532	1,550	1,593	1,518	0.9
Primary metals.....	10,006	10,076	10,305	-0.7	-2.2	-0.3	10,022	10,313	10,518	10,633	-5.7
Fabricated metal products.....	13,984	13,794	14,064	1.4	-1.9	0.1	14,040	13,832	14,235	14,014	0.2
Machinery.....	18,776	18,655	18,456	0.6	1.1	-1.1	18,838	19,099	18,583	18,730	0.6
Computers and electronic products.....	12,115	12,048	12,140	0.6	-0.8	-0.8	11,860	12,144	12,321	12,503	-5.1
Electrical equipment, appliances, and components.....	4,295	4,274	4,291	0.5	-0.4	-0.7	4,209	4,335	4,384	3,982	5.7
Transportation equipment.....	95,836	94,072	92,407	1.9	1.8	1.5	95,694	94,802	93,137	82,476	16.0
Furniture and related products.....	1,386	1,354	1,322	2.4	2.4	1.4	1,375	1,365	1,323	1,385	-0.7
Miscellaneous products.....	3,881	3,942	3,913	-1.5	0.7	-0.1	3,895	4,002	3,927	3,810	2.2
Nondurable goods industries.....	53,551	53,295	54,231	0.5	-1.7	-0.1	52,845	52,700	54,316	56,754	-6.9
Food products.....	5,782	5,802	5,754	-0.3	0.8	0.2	5,214	5,120	5,182	5,699	-8.5
Beverage and tobacco products.....	9,743	9,804	9,830	-0.6	-0.3	0.4	9,664	9,223	9,240	9,337	3.5
Textiles.....	720	722	727	-0.3	-0.7	0.4	726	723	733	724	0.3
Textile products.....	423	420	421	0.7	-0.2	-0.2	431	420	421	443	-2.7
Apparel.....	329	327	332	0.6	-1.5	0.0	340	348	352	354	-4.0
Leather and allied products.....	81	81	81	0.0	0.0	1.3	81	84	80	82	-1.2
Paper products.....	1,402	1,402	1,408	0.0	-0.4	2.5	1,407	1,421	1,432	1,298	8.4
Printing.....	1,202	1,142	1,194	5.3	-4.4	-1.3	1,265	1,167	1,194	1,211	4.5
Petroleum and coal products.....	12,003	11,789	12,182	1.8	-3.2	0.0	12,084	12,206	12,921	14,565	-17.0
Chemical products.....	18,799	18,687	19,154	0.6	-2.4	-0.8	18,575	18,878	19,620	19,855	-6.4
Plastics and rubber products.....	3,067	3,119	3,148	-1.7	-0.9	1.0	3,058	3,110	3,141	3,186	-4.0
<u>FINISHED GOODS</u>											
All manufacturing industries.....	243,409	243,061	243,508	0.1	-0.2	0.2	244,143	245,465	245,142	236,717	3.1
Durable goods industries.....	120,823	120,876	120,645	0.0	0.2	0.3	120,210	121,834	121,462	115,086	4.5
Wood products.....	4,752	4,736	4,727	0.3	0.2	-0.6	4,541	4,599	4,663	4,739	-4.2
Nonmetallic mineral products.....	7,305	7,285	7,241	0.3	0.6	0.6	7,159	7,236	7,271	7,087	1.0
Primary metals.....	12,414	12,349	12,395	0.5	-0.4	0.0	12,307	12,248	12,461	12,055	2.2
Fabricated metal products.....	19,980	20,208	20,051	-1.1	0.8	-0.2	19,664	20,223	20,194	19,337	1.7
Machinery.....	24,215	24,322	24,504	-0.4	-0.7	0.9	24,090	24,350	24,448	22,838	5.5
Computers and electronic products.....	12,123	12,004	11,847	1.0	1.3	-1.4	12,209	12,436	11,938	11,814	3.3
Electrical equipment, appliances, and components.....	7,483	7,484	7,491	0.0	-0.1	0.6	7,405	7,642	7,681	6,906	7.2
Transportation equipment.....	17,075	17,065	16,935	0.1	0.8	1.6	17,299	17,503	17,309	15,748	9.8
Furniture and related products.....	2,871	2,870	2,833	0.0	1.3	0.6	2,863	2,945	2,932	2,653	7.9
Miscellaneous products.....	12,605	12,553	12,621	0.4	-0.5	0.1	12,673	12,652	12,565	11,909	6.4
Nondurable goods industries.....	122,586	122,185	122,863	0.3	-0.6	0.1	123,933	123,631	123,680	121,631	1.9
Food products.....	30,261	30,238	30,599	0.1	-1.2	0.3	31,637	31,503	30,985	31,410	0.7
Beverage and tobacco products.....	9,393	9,398	9,443	-0.1	-0.5	0.2	9,404	9,452	9,492	9,200	2.2
Textiles.....	1,512	1,506	1,506	0.4	0.0	2.5	1,506	1,500	1,505	1,395	8.0
Textile products.....	1,731	1,715	1,777	0.9	-3.5	0.9	1,734	1,722	1,776	1,765	-1.8
Apparel.....	1,122	1,119	1,119	0.3	0.0	-2.7	1,186	1,198	1,183	1,164	1.9
Leather and allied products.....	423	417	414	1.4	0.7	-0.2	426	421	418	447	-4.7
Paper products.....	6,834	6,841	6,850	-0.1	-0.1	0.2	6,816	6,860	6,908	6,558	3.9
Printing.....	1,583	1,585	1,545	-0.1	2.6	1.7	1,561	1,584	1,513	1,488	4.9
Petroleum and coal products.....	16,405	16,607	17,088	-1.2	-2.8	1.0	17,012	16,922	17,417	17,525	-2.9
Chemical products.....	40,785	40,275	39,886	1.3	1.0	-0.3	40,254	40,114	39,876	38,430	4.7
Plastics and rubber products.....	12,537	12,484	12,636	0.4	-1.2	-0.7	12,397	12,355	12,607	12,249	1.2

^b Preliminary

^c 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.gov/manufacturing/m3/>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 4, 2019. 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 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			
	Sep 2019 ^a	Aug 2019 ^a	Jul 2019	Jun 2019	Sep 2019 ^a	Aug 2019 ^a	Jul 2019	Jun 2019
All manufacturing industries ³	1.39	1.39	1.38	1.38	(X)	(X)	(X)	(X)
Durable goods industries ³	1.71	1.69	1.68	1.66	6.69	6.68	6.67	6.55
Wood products.....	1.32	1.32	1.33	1.33	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.30	1.32	1.32	1.31	(X)	(X)	(X)	(X)
Primary metals.....	1.70	1.73	1.76	1.75	1.56	1.57	1.55	1.53
Fabricated metal products.....	1.61	1.61	1.63	1.62	2.65	2.66	2.66	2.62
Machinery.....	2.20	2.17	2.20	2.16	3.46	3.41	3.46	3.42
Computers and electronic products ³	1.58	1.56	1.55	1.55	5.52	5.48	5.46	5.46
Electrical equipment, appliances, and components.....	1.72	1.74	1.73	1.72	1.86	1.87	1.84	1.82
Transportation equipment.....	1.72	1.68	1.64	1.58	15.33	15.26	15.18	14.65
Furniture and related products.....	1.19	1.20	1.17	1.16	1.41	1.45	1.41	1.39
Miscellaneous products.....	1.78	1.77	1.78	1.78	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.07	1.07	1.08	1.09	(X)	(X)	(X)	(X)
Food products.....	0.80	0.80	0.80	0.81	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.91	1.91	1.94	2.01	(X)	(X)	(X)	(X)
Textiles.....	1.39	1.38	1.38	1.35	(X)	(X)	(X)	(X)
Textile products.....	1.55	1.54	1.56	1.57	(X)	(X)	(X)	(X)
Apparel.....	2.02	2.03	2.02	2.00	(X)	(X)	(X)	(X)
Leather and allied products.....	1.91	1.89	1.81	1.84	(X)	(X)	(X)	(X)
Paper products.....	1.00	1.00	1.00	1.01	(X)	(X)	(X)	(X)
Printing.....	0.80	0.80	0.80	0.81	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.75	0.76	0.76	0.77	(X)	(X)	(X)	(X)
Chemical products.....	1.35	1.34	1.36	1.35	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.36	1.36	1.37	1.38	(X)	(X)	(X)	(X)

^a Not Applicable

^a Preliminary

¹ 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.

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, September Full Report, November 4, 2019. 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 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	
	Sep ² 2019	Sep ¹ 2018-Aug 2019	Sep ² 2019	Sep ¹ 2018-Aug 2019	Sep ² 2019	Sep ¹ 2018-Aug 2019	Sep ² 2019	Sep ¹ 2018-Aug 2019
All manufacturing industries.....	(X)	0.2	(X)	0.2	(X)	0.1	(X)	0.1
Durable goods industries.....	-0.1	0.3	-0.1	0.4	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Primary metals.....	-0.2	0.4	-0.3	0.7	-0.2	0.3	-0.1	0.3
Fabricated metal products.....	-0.1	0.3	-0.1	0.7	-0.1	0.2	-0.1	0.1
Machinery.....	0.0	0.4	0.0	0.7	0.1	0.1	-0.1	0.1
Computers and electronic products.....	0.0	0.3	-0.3	0.5	-0.1	0.1	-0.1	0.1
Electrical equipment, appliances, and components.....	-0.1	0.2	-0.2	0.5	-0.2	0.2	0.1	0.3
Transportation equipment.....	-0.1	0.4	-0.1	1.0	0.0	0.1	0.1	0.1
Furniture and related products.....	(X)	0.5	(X)	0.4	(X)	0.6	(X)	0.3
Miscellaneous products.....	(X)	0.2	(X)	0.2	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Beverage and tobacco products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Textiles.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Textile products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Petroleum and coal products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Chemical products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1

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.

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, September Full Report, November 4, 2019.

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