


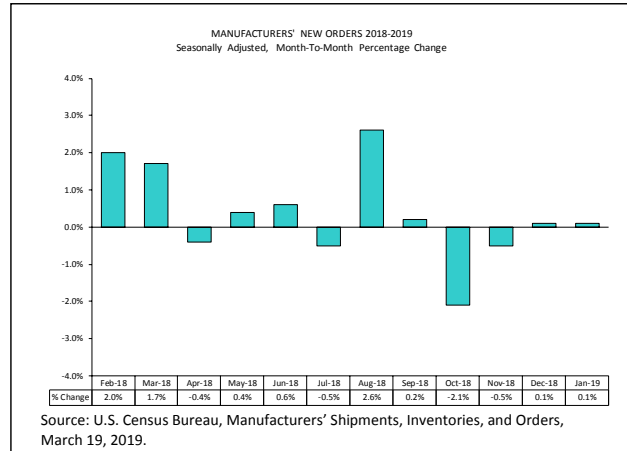
**MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS
JANUARY 2019**

Release Number: CB 19-28 M3-2 (19)-01

March 19, 2019 — The U.S. Census Bureau announces the January full report on manufacturers' shipments, inventories and orders:

 MANUFACTURED GOODS – NEW ORDERS		
JANUARY 2019	\$500.5 billion	+0.1%°
DECEMBER 2018 (revised)	\$500.1 billion	+0.1%°

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, March 19, 2019.



Summary

New orders for manufactured goods in January, up two consecutive months, increased \$0.3 billion or 0.1 percent to \$500.5 billion, the U.S. Census Bureau reported today. This followed a 0.1 percent December increase. Shipments, down four consecutive months, decreased \$1.8 billion or 0.4 percent to \$503.1 billion. This followed a 0.2 percent December decrease. Unfilled orders, up following three consecutive monthly decreases, increased \$1.4 billion or 0.1 percent to \$1,181.9 billion. This followed a 0.1 percent December decrease. The unfilled orders-to-shipments ratio was 6.57, up from 6.55 in December. Inventories, up twenty-six of the last twenty-seven months, increased \$3.6 billion or 0.5 percent to \$685.7 billion. This followed a 0.1 percent December increase. The inventories-to-shipments ratio was 1.36, up from 1.35 in December.

New Orders

New orders for manufactured durable goods in January, up three consecutive months, increased \$0.9 billion or 0.3 percent to \$255.3 billion, down from the previously published 0.4 percent increase. This followed a 1.3 percent December increase. Transportation equipment, up five of the last six months,

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drove the increase, \$1.1 billion or 1.2 percent to \$91.0 billion. New orders for manufactured nondurable goods decreased \$0.5 billion or 0.2 percent to \$245.2 billion.

Shipments

Shipments of manufactured durable goods in January, down following two consecutive monthly increases, decreased \$1.3 billion or 0.5 percent to \$257.9 billion, unchanged from the previously published decrease. This followed a 0.7 percent December increase. Transportation equipment, also down following two consecutive monthly increases, led the decrease, \$1.2 billion or 1.3 percent to \$90.1 billion. Shipments of manufactured nondurable goods, down three consecutive months, decreased \$0.5 billion or 0.2 percent to \$245.2 billion. This followed a 1.1 percent December decrease. Chemical products, down following five consecutive monthly increases, led the decrease, \$0.3 billion or 0.5 percent to \$66.5 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in January, up following three consecutive monthly decreases, increased \$1.4 billion or 0.1 percent to \$1,181.9 billion, unchanged from the previously published increase. This followed a 0.1 percent December decrease. Transportation equipment, also up following three consecutive monthly decreases, led the increase, \$0.9 billion or 0.1 percent to \$811.6 billion.

Inventories

Inventories of manufactured durable goods in January, up twenty-four of the last twenty-five months, increased \$1.9 billion or 0.5 percent to \$417.2 billion, up from the previously published 0.4 percent increase. This followed a 0.3 percent December increase. Transportation equipment, up four of the last five months, led the increase, \$1.2 billion or 0.9 percent to \$132.6 billion. Inventories of manufactured nondurable goods, up following two consecutive monthly decreases, increased \$1.8 billion or 0.7 percent to \$268.5 billion. This followed a 0.4 percent December decrease. Petroleum and coal products, up following three consecutive monthly decreases, led the increase, \$1.3 billion or 3.5 percent to \$39.2 billion. By stage of fabrication, January materials and supplies increased 0.6 percent in durable goods and increased 0.7 percent in nondurable goods. Work in process increased 0.3 percent in durable goods and increased 0.9 percent in nondurable goods. Finished goods increased 0.5 percent in durable goods and increased 0.6 percent in nondurable goods.

The U.S. Census Bureau updated its 2019 economic indicator release calendar to include January-March 2019 releases following the recent lapse in federal funding. Please refer to <www.census.gov/economic-indicators> for the latest information on the rescheduled release dates.

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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 June 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.

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/>.

FRED Mobile App



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.

Notice of Revisions and Changes Due to Updated Seasonal Adjustment Models

On May 16, 2019, monthly seasonally adjusted data for Manufacturers' Shipments, Inventories, and Orders, based on the North American Industry Classification System, will be revised for January 2002 through March 2019. There will be no accompanying press release containing revised seasonally adjusted data for January through March of 2019, and historical data not seasonally adjusted will be unchanged. These revisions to the historical seasonally adjusted data will be based on the results of the recent annual review of the seasonal adjustment models. Based on this review, the lists of series that are seasonally adjusted and not seasonally adjusted will be updated. Three unfilled orders series and one total inventories series that have been adjusted will no longer be seasonally adjusted. Conversely, two stage of fabrication series that have not been adjusted will now be seasonally adjusted. These changes will be implemented on May 16, 2019 and will also be used to produce seasonally adjusted data from the

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Manufacturers' Shipments, Inventories, and Orders Survey, beginning with the April 2019 Advance Report on Durable Goods scheduled for release on May 24, 2019 and the full report scheduled for release on June 4, 2019.

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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		% Change 2019/ 2018
	Jan. 2019 ²	Dec. 2018 ²	Nov. 2018	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2019 ²	Dec. 2018 ²	Nov. 2018	Jan. 2018	2019 ²	2018	
All manufacturing industries.....	503,052	504,890	505,772	-0.4	-0.2	-0.5	466,791	490,076	495,901	453,777	466,791	453,777	2.9
Excluding transportation.....	412,924	413,560	415,893	-0.2	-0.6	-1.1	387,289	400,689	406,249	381,559	387,289	381,559	1.5
Excluding defense.....	487,947	490,527	491,853	-0.5	-0.3	-0.5	454,389	473,894	481,028	442,834	454,389	442,834	2.6
With unfilled orders.....	179,842	180,332	179,492	-0.3	0.5	1.4	161,883	179,832	174,678	152,274	161,883	152,274	6.3
Durable goods industries.....	257,880	259,199	257,418	-0.5	0.7	1.0	233,346	252,945	251,463	220,350	233,346	220,350	5.9
Wood products.....	9,071	9,088	9,096	-0.2	-0.1	-1.1	7,792	7,913	8,460	8,103	7,792	8,103	-3.8
Nonmetallic mineral products.....	11,098	11,059	10,943	0.4	1.1	-0.4	9,754	9,312	10,710	9,358	9,754	9,358	4.2
Primary metals.....	21,263	21,534	21,852	-1.3	-1.5	0.9	21,019	19,084	20,543	19,713	21,019	19,713	6.6
Iron and steel mills.....	10,831	10,981	11,152	-1.4	-1.5	0.9	10,748	9,723	10,419	9,618	10,748	9,618	11.7
Aluminum and nonferrous metals.....	8,933	9,105	9,283	-1.9	-1.9	0.8	8,862	8,090	8,810	8,821	8,862	8,821	0.5
Ferrous metal foundries.....	1,499	1,448	1,417	3.5	2.2	1.6	1,409	1,271	1,314	1,274	1,409	1,274	10.6
Fabricated metal products.....	33,721	33,760	33,411	-0.1	1.0	0.9	31,647	30,845	32,057	29,939	31,647	29,939	5.7
Machinery.....	33,210	32,941	32,928	0.8	0.0	-0.3	29,784	33,065	30,940	28,540	29,784	28,540	4.4
Farm machinery.....	2,600	2,729	2,676	-4.7	2.0	-1.5	2,333	2,387	2,038	2,168	2,333	2,168	7.6
Construction machinery.....	3,092	2,951	2,926	4.8	0.9	-1.3	2,660	2,822	2,825	2,427	2,660	2,427	9.6
Mining, oil field, and gas field machinery.....	1,406	1,467	1,486	-4.2	-1.3	1.0	1,309	1,709	1,493	1,540	1,309	1,540	-15.0
Industrial machinery.....	2,578	2,518	2,545	2.4	-1.1	-4.5	2,128	2,945	2,335	2,147	2,128	2,147	-0.9
Photographic equipment.....	540	534	540	1.1	-1.1	-7.7	456	598	508	441	456	441	3.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,981	3,967	3,863	0.4	2.7	-0.2	3,262	3,708	3,519	3,067	3,262	3,067	6.4
Metalworking machinery.....	2,627	2,545	2,628	3.2	-3.2	0.2	2,461	2,779	2,632	2,590	2,461	2,590	-5.0
Turbines, generators, and other power transmission equipment.....	4,327	4,360	4,460	-0.8	-2.2	0.2	4,124	4,162	4,484	3,844	4,124	3,844	7.3
Material handling equipment.....	2,866	2,849	2,799	0.6	1.8	2.8	2,651	2,909	2,695	2,404	2,651	2,404	10.3
Computers and electronic products.....	27,750	27,729	27,688	0.1	0.1	1.1	24,741	31,498	27,927	23,780	24,741	23,780	4.0
Computers.....	801	790	802	1.4	-1.5	-2.0	634	978	759	603	634	603	5.1
Computer storage devices.....	294	258	290	14.0	-11.0	-1.0	212	388	281	236	212	236	-10.2
Other peripheral equipment.....	762	716	771	6.4	-7.1	-4.6	641	971	702	630	641	630	1.7
Nondefense communications equipment.....	3,423	3,431	3,335	-0.2	2.9	2.0	2,662	4,680	3,127	2,490	2,662	2,490	6.9
Defense communications equipment....	318	329	327	-3.3	0.6	-2.1	279	312	369	209	279	209	33.5
Audio and video equipment.....	336	375	304	-10.4	23.4	12.2	240	529	403	152	240	152	57.9
Electronic components.....	3,532	3,574	3,564	-1.2	0.3	2.8	3,163	3,647	3,345	3,201	3,163	3,201	-1.2
Nondefense search and navigation equipment.....	1,595	1,568	1,543	1.7	1.6	-1.2	1,392	1,698	1,529	1,349	1,392	1,349	3.2
Defense search and navigation equipment.....	2,757	2,779	2,807	-0.8	-1.0	1.7	2,286	3,160	2,975	2,381	2,286	2,381	-4.0
Electromedical, measuring, and control instruments.....	9,565	9,504	9,478	0.6	0.3	0.3	8,106	11,075	9,372	7,439	8,106	7,439	9.0
Electrical equipment, appliances, and components.....	11,447	11,457	11,397	-0.1	0.5	-1.0	10,317	11,073	11,163	9,851	10,317	9,851	4.7
Electric lighting equipment.....	1,030	1,026	1,026	0.4	0.0	-1.3	922	1,041	1,036	958	922	958	-3.8
Household appliances.....	1,797	1,777	1,716	1.1	3.6	-2.8	1,526	1,800	1,767	1,421	1,526	1,421	7.4
Electrical equipment.....	3,063	2,994	2,992	2.3	0.1	-2.6	2,728	2,876	2,845	2,633	2,728	2,633	3.6
Batteries.....	819	897	908	-8.7	-1.2	-1.8	745	921	1,029	871	745	871	-14.5
Transportation equipment.....	90,128	91,330	89,789	-1.3	1.6	2.5	79,502	89,387	89,652	72,218	79,502	72,218	10.1
Automobiles.....	8,876	9,480	9,294	-6.4	2.0	-1.2	8,506	8,640	9,548	9,107	8,506	9,107	-6.6
Light trucks and utility vehicles.....	21,581	21,726	21,158	-0.7	2.7	1.2	19,247	20,037	21,166	15,833	19,247	15,833	21.6
Heavy duty trucks.....	3,151	2,936	2,815	7.3	4.3	1.5	2,789	2,503	2,693	2,339	2,789	2,339	19.2
Motor vehicle bodies, parts, and trailers.....	27,920	28,028	27,605	-0.4	1.5	-0.2	26,305	23,896	26,995	24,659	26,305	24,659	6.7
Nondefense aircraft and parts.....	13,385	14,964	15,034	-10.6	-0.5	17.3	10,262	18,979	14,845	9,626	10,262	9,626	6.6
Defense aircraft and parts.....	5,195	4,711	4,507	10.3	4.5	-4.8	3,986	5,576	4,758	3,388	3,986	3,388	17.7
Ships and boats.....	2,845	2,817	2,780	1.0	1.3	2.1	2,247	2,914	2,939	2,205	2,247	2,205	1.9
Furniture and related products.....	6,634	6,683	6,536	-0.7	2.2	-0.2	6,198	6,516	6,465	5,974	6,198	5,974	3.7
Miscellaneous durable goods.....	13,558	13,618	13,688	-0.4	-0.5	-1.1	12,592	14,252	13,546	12,874	12,592	12,874	-2.2
Nondurable goods industries.....	245,172	245,691	248,354	-0.2	-1.1	-2.0	233,445	237,131	244,438	233,427	233,445	233,427	0.0
Food products.....	66,801	66,807	67,137	0.0	-0.5	0.2	64,809	66,340	68,832	64,514	64,809	64,514	0.5
Grain and oilseed milling.....	7,370	7,372	7,635	0.0	-3.4	1.2	7,438	7,507	8,005	7,883	7,438	7,883	-5.6
Dairy products.....	9,161	9,206	9,281	-0.5	-0.8	0.2	8,987	9,197	9,697	9,064	8,987	9,064	-0.8
Meat, poultry, and seafood products..	19,409	19,454	19,434	-0.2	0.1	0.4	18,433	18,669	19,588	18,029	18,433	18,029	2.2
Beverage and tobacco products.....	12,459	12,565	12,656	-0.8	-0.7	-0.3	11,430	12,084	12,579	11,209	11,430	11,209	2.0
Beverages.....	8,715	8,779	8,789	-0.7	-0.1	0.1	7,686	8,298	8,712	7,462	7,686	7,462	3.0
Tobacco.....	3,744	3,786	3,867	-1.1	-2.1	-1.3	3,744	3,786	3,867	3,747	3,744	3,747	-0.1
Textile mills.....	2,484	2,493	2,508	-0.4	-0.6	0.2	2,295	2,181	2,399	2,291	2,295	2,291	0.2
Textile products.....	2,346	2,386	2,380	-1.7	0.3	-0.3	2,094	2,139	2,296	1,939	2,094	1,939	8.0
Apparel.....	982	985	979	-0.3	0.6	-1.0	893	937	1,118	879	893	879	1.6
Leather and allied products.....	432	422	414	2.4	1.9	3.0	405	398	394	358	405	358	13.1
Paper products.....	16,084	16,002	16,044	0.5	-0.3	-0.6	15,963	15,371	15,661	15,889	15,963	15,889	0.5
Pulp, paper, and paperboard mills.....	6,480	6,540	6,560	-0.9	-0.3	-0.8	6,498	6,398	6,358	6,563	6,498	6,563	-1.0
Paperboard containers.....	5,616	5,484	5,560	2.4	-1.4	-0.6	5,655	4,963	5,452	5,554	5,655	5,554	1.8
Printing.....	6,694	6,652	6,674	0.6	-0.3	-0.8	6,476	6,405	6,914	6,237	6,476	6,237	3.8
Petroleum and coal products.....	50,522	50,724	53,029	-0.4	-4.3	-9.6	46,801	48,584	51,702	49,845	46,801	49,845	-6.1
Petroleum refineries.....	46,182	46,360	48,826	-0.4	-5.1	-10.5	43,371	45,125	47,809	46,687	43,371	46,687	-7.1
Chemical products.....	66,484	66,801	66,733	-0.5	0.1	1.0	63,510	64,876	63,659	61,681	63,510	61,681	3.0
Pesticides, fertilizers, and other agricultural chemicals.....	2,831	2,827	2,744	0.1	3.0	-2.9	2,403	2,428	2,211	2,079	2,403	2,079	15.6
Pharmaceuticals and medicines.....	22,063	22,157	22,224	-0.4	-0.3	2.0	21,623	22,542	21,701	20,714	21,623	20,714	4.4
Paints, coatings, and adhesives.....	3,897	3,919	3,871	-0.6	1.2	1.3	3,490	3,143	3,415	3,324	3,490	3,324	5.0
Plastics and rubber products.....	19,884	19,854	19,800	0.2	0.3	0.2	18,769	17,816	18,884	18,585	18,769	18,585	1.0

² Preliminary

¹ Revised data due to late receipts and concurrent seasonal adjustment.

³ 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, January Full Report, March 19, 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		
	Jan. 2019 ^p	Dec. 2018 ^r	Nov. 2018	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2019 ^p	Dec. 2018 ^r	Nov. 2018	Jan. 2018	2019 ^p	2018	% Change 2019/2018
All manufacturing industries ²	500,479	500,140	499,551	0.1	0.1	-0.5	464,459	494,142	489,476	447,613	464,459	447,613	3.8
Excluding transportation ²	409,450	410,220	412,403	-0.2	-0.5	-1.3	386,655	396,011	400,740	381,365	386,655	381,365	1.4
Excluding defense ²	486,688	485,645	483,031	0.2	0.5	-1.0	454,115	474,801	471,933	439,555	454,115	439,555	3.3
With unfilled orders ²	181,268	179,639	177,404	0.9	1.3	1.4	164,303	187,609	172,955	150,987	164,303	150,987	8.8
Durable goods industries ²	255,307	254,449	251,197	0.3	1.3	0.9	231,014	257,011	245,038	214,186	231,014	214,186	7.9
Primary metals.....	21,343	21,781	21,778	-2.0	0.0	1.7	21,174	19,670	20,721	20,226	21,174	20,226	4.7
Iron and steel mills.....	10,695	11,151	11,090	-4.1	0.6	4.3	10,661	10,237	10,398	10,287	10,661	10,287	3.6
Aluminum and nonferrous metals.....	9,133	9,173	9,251	-0.4	-0.8	-1.3	8,973	8,116	8,979	8,597	8,973	8,597	4.4
Ferrous metal foundries.....	1,515	1,457	1,437	4.0	1.4	2.5	1,540	1,317	1,344	1,342	1,540	1,342	14.8
Fabricated metal products.....	34,196	34,401	33,961	-0.6	1.3	1.8	33,062	30,603	31,909	31,299	33,062	31,299	5.6
Machinery.....	33,100	32,613	32,760	1.5	-0.4	-2.0	31,457	31,724	30,514	30,541	31,457	30,541	3.0
Construction machinery.....	2,931	2,839	2,906	3.2	-2.3	-2.1	2,857	2,745	2,982	2,851	2,857	2,851	0.2
Mining, oil field, and gas field machinery.....	1,319	1,356	1,477	-2.7	-8.2	1.9	1,223	1,493	1,479	1,555	1,223	1,555	-21.4
Industrial machinery.....	2,624	2,287	2,511	14.7	-8.9	-8.5	2,486	2,522	2,185	2,331	2,486	2,331	6.6
Photographic equipment.....	520	555	533	-6.3	4.1	-7.3	450	663	504	456	450	456	-1.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,626	4,000	3,910	15.7	2.3	-4.4	4,131	3,629	3,517	3,301	4,131	3,301	25.1
Metalworking machinery.....	2,563	2,446	2,427	4.8	0.8	-9.3	2,552	2,564	2,434	2,834	2,552	2,834	-10.0
Turbines, generators, and other power transmission equipment.....	4,189	4,051	4,255	3.4	-4.8	-2.1	4,036	3,772	4,328	3,872	4,036	3,872	4.2
Material handling equipment.....	2,795	2,961	2,838	-5.6	4.3	-0.9	2,640	3,249	2,599	2,519	2,640	2,519	4.8
Computers and electronic products ²	23,828	24,049	24,138	-0.9	-0.4	0.1	20,358	28,799	23,187	19,357	20,358	19,357	5.2
Computers.....	840	794	861	5.8	-7.8	1.7	673	982	818	610	673	610	10.3
Nondefense communications equipment.....	3,419	3,264	3,447	4.7	-5.3	-0.5	2,687	4,445	3,278	2,630	2,687	2,630	2.2
Defense communications equipment.....	269	284	308	-5.3	-7.8	-4.9	213	268	314	205	213	205	3.9
Electronic components.....	3,607	3,629	3,715	-0.6	-2.3	4.9	3,491	3,837	3,341	3,539	3,491	3,539	-1.4
Nondefense search and navigation equipment.....	1,692	1,798	1,586	-5.9	13.4	-3.2	1,522	1,577	1,558	1,433	1,522	1,433	6.2
Defense search and navigation equipment.....	2,696	3,224	3,042	-16.4	6.0	0.6	2,130	4,166	2,852	2,039	2,130	2,039	4.5
Electromedical, measuring, and control instruments.....	9,545	9,359	9,480	2.0	-1.3	-0.9	8,175	11,287	9,277	7,670	8,175	7,670	6.6
Electrical equipment, appliances, and components.....	11,382	11,230	11,269	1.4	-0.3	-2.6	10,688	10,793	10,946	10,059	10,688	10,059	6.3
Electric lighting equipment.....	1,028	1,026	1,032	0.2	-0.6	-0.1	961	994	1,034	1,008	961	1,008	-4.7
Household appliances.....	1,698	1,694	1,666	0.2	1.7	-5.3	1,516	1,686	1,702	1,559	1,516	1,559	-2.8
Electrical equipment.....	3,125	3,083	2,999	1.4	2.8	-2.5	2,973	2,931	2,808	2,638	2,973	2,638	12.7
Transportation equipment.....	91,029	89,920	87,148	1.2	3.2	3.1	77,804	98,131	88,736	66,248	77,804	66,248	17.4
Motor vehicle bodies, parts, and trailers.....	28,162	28,037	27,636	0.4	1.5	-0.4	26,478	24,819	27,378	24,494	26,478	24,494	8.1
Nondefense aircraft and parts.....	15,651	13,535	9,973	15.6	35.7	4.5	10,669	24,166	10,721	6,646	10,669	6,646	60.5
Defense aircraft and parts.....	4,588	4,437	6,682	3.4	-33.6	29.0	3,896	6,529	7,197	2,739	3,896	2,739	42.2
Ships and boats.....	2,390	2,716	3,122	-12.0	-13.0	81.5	1,770	2,197	3,790	1,059	1,770	1,059	67.1
Furniture and related products.....	6,699	6,703	6,419	-0.1	4.4	-1.7	6,330	5,827	6,312	6,121	6,330	6,121	3.4
Nondurable goods industries.....	245,172	245,691	248,354	-0.2	-1.1	-2.0	233,445	237,131	244,438	233,427	233,445	233,427	0.0

^p Preliminary

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

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

² 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, January Full Report, March 19, 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				% Change January 2019/ 2018
	Monthly			Percent Change			Monthly				
	Jan. 2019 ^p	Dec. 2018 ^r	Nov. 2018	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2019 ^p	Dec. 2018 ^r	Nov. 2018	Jan. 2018	
All manufacturing industries ²	1,181,929	1,180,503	1,181,196	0.1	-0.1	-0.2	1,182,054	1,179,634	1,171,857	1,135,125	4.1
Excluding transportation ²	370,316	369,791	369,074	0.1	0.2	0.2	367,175	363,057	364,024	351,256	4.5
Excluding defense ²	984,573	981,833	982,658	0.3	-0.1	-0.5	983,797	979,319	974,701	957,829	2.7
Durable goods industries ²	1,181,929	1,180,503	1,181,196	0.1	-0.1	-0.2	1,182,054	1,179,634	1,171,857	1,135,125	4.1
Primary metals.....	31,671	31,591	31,344	0.3	0.8	-0.2	31,258	31,103	30,517	28,391	10.1
Iron and steel mills.....	16,608	16,744	16,574	-0.8	1.0	-0.4	16,182	16,269	15,755	14,887	8.7
Aluminum and nonferrous metals.....	11,564	11,364	11,296	1.8	0.6	-0.3	11,507	11,396	11,370	10,282	11.9
Ferrous metal foundries.....	3,499	3,483	3,474	0.5	0.3	0.6	3,569	3,438	3,392	3,222	10.8
Fabricated metal products.....	86,605	86,130	85,489	0.6	0.7	0.6	84,979	83,564	83,806	78,734	7.9
Machinery.....	105,483	105,593	105,921	-0.1	-0.3	-0.2	105,473	103,800	105,141	103,338	2.1
Construction machinery.....	6,314	6,475	6,587	-2.5	-1.7	-0.3	6,558	6,361	6,438	6,422	2.1
Mining, oil field, and gas field machinery.....	4,160	4,247	4,358	-2.0	-2.5	-0.2	4,120	4,206	4,422	4,554	-9.5
Industrial machinery.....	8,469	8,423	8,654	0.5	-2.7	-0.4	8,464	8,106	8,529	8,650	-2.2
Photographic equipment.....	1,496	1,516	1,495	-1.3	1.4	-0.5	1,584	1,590	1,525	1,845	-14.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,033	7,388	7,355	8.7	0.4	0.6	7,978	7,109	7,188	6,345	25.7
Metalworking machinery.....	7,503	7,567	7,666	-0.8	-1.3	-2.6	7,429	7,338	7,553	8,009	-7.2
Turbines, generators, and other power transmission equipment.....	28,662	28,800	29,109	-0.5	-1.1	-0.7	28,665	28,753	29,143	29,848	-4.0
Material handling equipment.....	13,137	13,208	13,096	-0.5	0.9	0.3	13,058	13,069	12,729	11,540	13.2
Computers and electronic products ²	117,715	117,638	117,261	0.1	0.3	0.5	117,412	117,043	116,031	112,924	4.0
Computers.....	2,234	2,195	2,191	1.8	0.2	2.8	2,234	2,195	2,191	1,885	18.5
Nondefense communications equipment.....	25,032	25,036	25,203	0.0	-0.7	0.4	24,783	24,758	24,993	23,769	4.3
Defense communications equipment.....	1,314	1,363	1,408	-3.6	-3.2	-1.3	1,269	1,335	1,379	1,426	-11.0
Electronic components.....	13,013	12,938	12,883	0.6	0.4	1.2	13,124	12,796	12,606	12,160	7.9
Nondefense search and navigation equipment.....	20,119	20,022	19,792	0.5	1.2	0.2	19,991	19,861	19,982	19,157	4.4
Defense search and navigation equipment.....	27,977	28,038	27,593	-0.2	1.6	0.9	27,910	28,066	27,060	26,863	3.9
Electromedical, measuring, and control instruments.....	28,026	28,046	28,191	-0.1	-0.5	0.0	28,101	28,032	27,820	27,664	1.6
Electrical equipment, appliances, and components.....	19,419	19,484	19,711	-0.3	-1.2	-0.6	19,326	18,955	19,235	19,240	0.4
Electric lighting equipment.....	1,409	1,411	1,411	-0.1	0.0	0.4	1,390	1,351	1,398	1,395	-0.4
Household appliances.....	1,175	1,274	1,357	-7.8	-6.1	-3.6	1,205	1,215	1,329	1,322	-8.9
Electrical equipment.....	7,857	7,795	7,706	0.8	1.2	0.1	7,899	7,654	7,599	7,840	0.8
Transportation equipment.....	811,613	810,712	812,122	0.1	-0.2	-0.3	814,879	816,577	807,833	783,869	4.0
Motor vehicle bodies, parts, and trailers.....	27,292	27,050	27,041	0.9	0.0	0.1	27,365	27,192	26,269	26,342	3.9
Nondefense aircraft and parts.....	596,478	594,212	595,641	0.4	-0.2	-0.8	598,595	598,188	593,001	590,130	1.4
Defense aircraft and parts.....	81,276	81,883	82,157	-0.7	-0.3	2.7	82,099	82,189	81,236	71,845	14.3
Ships and boats.....	28,934	29,389	29,490	-1.5	-0.3	1.2	29,027	29,504	30,221	25,908	12.0
Furniture and related products.....	8,897	8,832	8,812	0.7	0.2	-1.3	8,201	8,069	8,758	8,026	2.2

^p Preliminary

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

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

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

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, January Full Report, March 19, 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 January 2019/ 2018
	Jan. 2019 ^P	Dec. 2018 ^F	Nov. 2018	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2019 ^P	Dec. 2018 ^F	Nov. 2018	Jan. 2018	
All manufacturing industries.....	685,681	682,052	681,661	0.5	0.1	-0.1	684,209	666,065	682,239	660,215	3.6
Excluding transportation.....	553,117	550,697	550,236	0.4	0.1	-0.1	551,575	538,299	550,381	532,054	-0.7
Excluding defense.....	658,355	655,051	654,417	0.5	0.1	-0.1	657,038	639,215	655,085	633,549	3.7
With unfilled orders.....	339,772	338,328	336,924	0.4	0.4	0.4	338,810	329,705	337,394	322,695	5.0
Durable goods industries.....	417,215	415,341	414,011	0.5	0.3	0.5	416,919	404,973	414,315	397,366	4.9
Wood products.....	12,404	12,454	12,430	-0.4	0.2	0.3	12,742	12,423	12,403	12,255	4.0
Nonmetallic mineral products.....	14,950	14,952	14,868	0.0	0.6	0.5	14,978	14,681	14,465	14,031	6.7
Primary metals.....	36,590	36,556	36,273	0.1	0.8	1.3	36,630	36,359	36,062	33,671	8.8
Iron and steel mills.....	20,998	21,013	20,714	-0.1	1.4	2.2	21,100	21,040	20,598	19,143	10.2
Aluminum and nonferrous metals.....	13,491	13,457	13,471	0.3	-0.1	0.2	13,400	13,291	13,386	12,550	6.8
Ferrous metal foundries.....	2,101	2,086	2,088	0.7	-0.1	0.0	2,130	2,028	2,078	1,978	7.7
Fabricated metal products.....	54,713	54,657	54,559	0.1	0.2	0.5	54,641	53,795	54,136	50,897	7.4
Machinery.....	70,889	70,529	70,082	0.5	0.6	0.4	70,664	68,188	70,936	66,642	6.0
Farm machinery.....	3,878	3,793	3,762	2.2	0.8	-2.0	4,045	3,911	3,849	3,705	9.2
Construction machinery.....	5,810	5,723	5,588	1.5	2.4	1.3	5,794	5,558	5,581	5,456	6.2
Mining, oil field, and gas field machinery.....	5,430	5,431	5,493	0.0	-1.1	-0.4	5,457	5,300	5,509	5,421	0.7
Industrial machinery.....	8,274	8,322	8,247	-0.6	0.9	-2.4	8,087	8,155	8,341	7,931	2.0
Photographic equipment.....	1,743	1,722	1,695	1.2	1.6	-0.3	1,759	1,661	1,723	1,650	6.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,419	5,282	5,181	2.6	1.9	2.2	5,287	4,777	5,082	4,711	12.2
Metalworking machinery.....	5,939	5,995	5,997	-0.9	0.0	0.5	5,894	5,884	6,070	5,806	1.5
Turbines, generators, and other power transmission equipment.....	10,110	9,961	9,902	1.5	0.6	2.9	10,005	9,308	10,154	9,331	7.2
Material handling equipment.....	5,800	5,865	5,954	-1.1	-1.5	0.7	5,675	5,465	5,645	5,460	3.9
Computers and electronic products ²	43,234	43,305	43,303	-0.2	0.0	0.4	42,762	41,733	43,492	42,428	0.8
Computers.....	1,497	1,507	1,478	-0.7	2.0	1.9	1,508	1,401	1,463	1,570	-3.9
Computer storage devices.....	1,045	1,093	1,081	-4.4	1.1	5.0	1,018	1,036	1,125	1,022	-0.4
Other peripheral equipment.....	1,148	1,172	1,178	-2.0	-0.5	0.1	1,134	1,097	1,216	1,114	1.8
Nondefense communications equipment.....	4,788	4,745	4,778	0.9	-0.7	-0.1	4,721	4,498	4,932	4,584	3.1
Defense communications equipment.....	670	642	649	4.4	-1.1	0.0	670	642	649	650	2.4
Audio and video equipment.....	626	614	577	2.0	6.4	3.0	628	592	603	558	12.5
Electronic components.....	7,143	7,183	7,173	-0.6	0.1	-1.0	7,215	6,956	7,076	7,355	-1.9
Nondefense search and navigation equipment.....	2,641	2,625	2,596	0.6	1.1	0.9	2,642	2,557	2,568	2,565	3.0
Defense search and navigation equipment.....	2,576	2,593	2,603	-0.7	-0.4	-0.6	2,569	2,488	2,566	2,579	-0.4
Electromedical, measuring and control instruments.....	15,598	15,599	15,404	0.0	1.3	0.5	15,264	15,091	15,586	14,721	3.7
Electrical equipment, appliances, and components.....	19,835	19,678	19,460	0.8	1.1	1.0	19,812	18,803	19,152	18,160	9.1
Electric lighting equipment.....	2,267	2,261	2,250	0.3	0.5	0.7	2,299	2,166	2,214	2,224	3.4
Household appliances.....	2,814	2,808	2,813	0.2	-0.2	1.3	2,796	2,528	2,715	2,793	1.3
Electrical equipment.....	5,639	5,571	5,469	1.2	1.9	2.0	5,698	5,351	5,445	5,051	12.8
Batteries.....	1,847	1,823	1,781	1.3	2.4	0.2	1,761	1,685	1,694	1,764	-0.2
Transportation equipment.....	132,564	131,355	131,425	0.9	-0.1	0.2	132,634	127,766	131,858	128,161	3.5
Automobiles.....	4,296	4,106	4,237	4.6	-3.1	4.1	4,388	3,910	4,248	3,933	11.6
Light trucks and utility vehicles.....	4,707	4,504	4,597	4.5	-2.0	1.4	4,835	4,040	4,726	4,454	8.6
Heavy duty trucks.....	2,214	2,249	2,266	-1.6	-0.8	1.1	2,230	2,090	2,184	1,928	15.7
Motor vehicle bodies, parts, and trailers.....	26,192	26,070	25,896	0.5	0.7	0.5	26,495	25,704	25,803	25,555	3.7
Nondefense aircraft and parts.....	66,870	66,499	66,385	0.6	0.2	-0.5	66,614	64,333	66,875	65,088	2.3
Defense aircraft and parts.....	13,327	12,919	13,237	3.2	-2.4	0.2	13,278	12,814	13,273	12,813	3.6
Ships and boats.....	3,015	3,001	2,922	0.5	2.7	0.5	2,976	2,998	2,900	2,916	2.1
Furniture and related products.....	8,076	8,031	7,966	0.6	0.8	0.3	8,111	7,796	7,939	7,934	2.2
Miscellaneous durable goods.....	23,960	23,824	23,645	0.6	0.8	0.5	23,945	23,429	23,872	23,187	3.3
Nondurable goods industries.....	268,466	266,711	267,650	0.7	-0.4	-0.9	267,290	261,092	267,924	262,849	1.7
Food products.....	53,917	53,745	53,400	0.3	0.6	-0.3	53,549	53,313	55,272	54,134	-1.1
Grain and oilseed milling.....	5,117	4,993	4,984	2.5	0.2	-3.1	5,233	5,155	5,176	5,549	-5.7
Dairy products.....	7,623	7,666	7,621	-0.6	0.6	0.6	7,417	7,227	7,292	7,381	0.5
Meat, poultry, and seafood products.....	9,274	9,241	9,046	0.4	2.2	-1.7	9,059	8,937	9,204	8,999	0.7
Beverage and tobacco products.....	24,665	24,835	24,592	-0.7	1.0	0.2	25,121	24,977	24,812	24,767	1.4
Beverages.....	20,151	20,281	20,062	-0.6	1.1	0.2	20,366	20,210	20,079	19,800	2.9
Tobacco.....	4,514	4,554	4,530	-0.9	0.5	0.2	4,755	4,767	4,733	4,967	-4.3
Textile mills.....	3,499	3,473	3,377	0.7	2.8	1.2	3,508	3,429	3,336	3,188	10.0
Textile products.....	3,578	3,560	3,535	0.5	0.7	0.9	3,604	3,483	3,512	3,413	5.6
Apparel.....	1,932	1,941	1,960	-0.5	-1.0	-0.5	1,938	1,820	1,887	1,905	1.7
Leather and allied products.....	823	832	818	-1.1	1.7	2.0	816	815	806	760	7.4
Paper products.....	16,383	16,242	16,069	0.9	1.1	0.4	16,460	16,157	15,897	15,936	3.3
Pulp, paper, and paperboard mills.....	6,759	6,659	6,599	1.5	0.9	0.9	6,797	6,675	6,508	6,558	3.6
Paperboard containers.....	5,060	5,050	4,984	0.2	1.3	-0.4	5,081	5,057	4,937	4,985	1.9
Printing.....	5,700	5,639	5,569	1.1	1.3	1.2	5,581	5,491	5,587	5,293	5.4
Petroleum and coal products.....	39,245	37,930	39,723	3.5	-4.5	-7.4	37,919	36,399	39,417	40,010	-5.2
Petroleum refineries.....	33,326	32,075	33,842	3.9	-5.2	-8.5	31,925	30,606	33,672	34,964	-8.7
Chemical products.....	91,352	91,185	91,356	0.2	-0.2	0.7	91,412	88,571	90,392	87,521	4.4
Pesticides, fertilizers, and other agricultural chemicals.....	4,761	4,658	4,570	2.2	1.9	2.3	5,195	4,758	4,505	4,763	9.1
Pharmaceuticals and medicines.....	37,230	37,277	37,600	-0.1	-0.9	-1.4	36,950	35,797	37,251	35,396	4.4
Paints, coatings, and adhesives.....	3,978	3,969	3,953	0.2	0.4	-0.8	3,991	3,813	3,816	3,855	3.5
Plastics and rubber products.....	27,372	27,329	27,251	0.2	0.3	0.3	27,382	26,637	27,006	25,922	5.6

^P Preliminary

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

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

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, January Full Report, March 19, 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						% Change ⁶ 2019/ 2018
	Monthly			Percent Change			Monthly			Year to date			
	Jan. 2019 ^p	Dec. 2018 ^f	Nov. 2018	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2019 ^p	Dec. 2018 ^f	Nov. 2018	Jan. 2018	2019 ^p 2018	2018	
SHIPMENTS													
All manufacturing industries.....	503,052	504,890	505,772	-0.4	-0.2	-0.5	466,791	490,076	495,901	453,777	466,791	453,777	2.9
Construction materials and supplies.....	52,069	52,000	51,531	0.1	0.9	-0.2	46,113	45,132	48,893	44,423	46,113	44,423	3.8
Information technology.....	25,497	25,395	25,286	0.4	0.4	0.4	21,678	29,173	24,874	20,111	21,678	20,111	7.8
Computers and related products.....	1,857	1,764	1,863	5.3	-5.3	-2.9	1,487	2,337	1,742	1,469	1,487	1,469	1.2
Motor vehicle and parts.....	61,528	62,170	60,872	-1.0	2.1	0.2	56,847	55,076	60,402	51,938	56,847	51,938	9.5
Capital goods.....	91,358	92,202	91,546	-0.9	0.7	2.0	78,635	101,306	89,642	74,285	78,635	74,285	5.9
Nondefense capital goods ³	78,399	79,634	79,557	-1.6	0.1	2.4	67,994	87,373	76,718	65,020	67,994	65,020	4.6
Excluding aircraft.....	69,491	68,928	68,865	0.8	0.1	-0.2	62,043	72,883	66,215	59,454	62,043	59,454	4.4
Defense capital goods ⁴	12,959	12,568	11,989	3.1	4.8	-0.8	10,641	13,933	12,924	9,265	10,641	9,265	14.9
Consumer goods.....	207,999	209,168	211,062	-0.6	-0.9	-2.4	197,044	204,120	210,872	195,468	197,044	195,468	0.8
Consumer durable goods.....	44,365	45,060	44,109	-1.5	2.2	0.0	40,225	42,394	44,166	37,020	40,225	37,020	8.7
Consumer nondurable goods.....	163,634	164,108	166,953	-0.3	-1.7	-3.0	156,819	161,726	166,706	158,448	156,819	158,448	-1.0
NEW ORDERS													
All manufacturing industries ⁵	500,479	500,140	499,551	0.1	0.1	-0.5	464,459	494,142	489,476	447,613	464,459	447,613	3.8
Construction materials and supplies.....	52,557	52,496	52,001	0.1	1.0	-0.2	47,190	44,888	48,886	45,422	47,190	45,422	3.9
Information technology.....	25,453	25,505	25,620	-0.2	-0.4	-1.2	21,810	29,886	24,723	20,257	21,810	20,257	7.7
Computers and related products.....	1,896	1,768	1,922	7.2	-8.0	-1.3	1,526	2,341	1,801	1,476	1,526	1,476	3.4
Motor vehicle and parts.....	61,770	62,179	60,903	-0.7	2.1	0.1	57,020	55,999	60,785	51,773	57,020	51,773	10.1
Capital goods.....	92,916	91,203	89,263	1.9	2.2	2.8	79,804	107,454	87,418	70,991	79,804	70,991	12.4
Nondefense capital goods ³	80,367	78,396	75,002	2.5	4.5	0.2	69,848	90,465	72,659	64,349	69,848	64,349	8.5
Excluding aircraft.....	68,860	68,335	68,895	0.8	-0.8	-1.1	63,495	70,839	65,658	61,498	63,495	61,498	3.2
Defense capital goods ⁴	12,549	12,807	14,261	-2.0	-10.2	18.7	9,956	16,989	14,759	6,642	9,956	6,642	49.9
Consumer goods.....	207,903	209,017	210,937	-0.5	-0.9	-2.4	197,170	203,729	210,815	195,830	197,170	195,830	0.7
Consumer durable goods.....	44,269	44,909	43,984	-1.4	2.1	-0.1	40,351	42,003	44,109	37,382	40,351	37,382	7.9
Consumer nondurable goods.....	163,634	164,108	166,953	-0.3	-1.7	-3.0	156,819	161,726	166,706	158,448	156,819	158,448	-1.0
UNFILLED ORDERS													
All manufacturing industries ⁵	1,181,929	1,180,503	1,181,196	0.1	-0.1	-0.2	1,182,054	1,179,634	1,171,857	1,135,125	(X)	(X)	4.1
Construction materials and supplies.....	60,264	59,776	59,280	0.8	0.8	0.8	58,882	57,805	58,049	53,570	(X)	(X)	9.9
Information technology.....	115,176	115,220	115,110	0.0	0.1	0.3	114,704	114,572	113,859	111,292	(X)	(X)	3.1
Computers and related products.....	2,234	2,195	2,191	1.8	0.2	2.8	2,234	2,195	2,191	1,885	(X)	(X)	18.5
Motor vehicle and parts.....	27,292	27,050	27,041	0.9	0.0	0.1	27,365	27,192	26,269	26,342	(X)	(X)	3.9
Capital goods.....	867,125	865,567	866,566	0.2	-0.1	-0.3	868,366	867,197	861,049	845,799	(X)	(X)	2.7
Nondefense capital goods ³	711,031	709,063	710,301	0.3	-0.2	-0.6	711,274	709,420	706,328	702,141	(X)	(X)	1.3
Excluding aircraft.....	222,072	222,703	223,296	-0.3	-0.3	0.0	220,797	219,345	221,389	216,534	(X)	(X)	2.0
Defense capital goods ⁴	156,094	156,504	156,265	-0.3	0.2	1.5	157,092	157,777	154,721	143,658	(X)	(X)	9.4
Consumer goods.....	4,605	4,701	4,852	-2.0	-3.1	-2.5	4,612	4,486	4,877	5,173	(X)	(X)	-10.8
Consumer durable goods.....	4,605	4,701	4,852	-2.0	-3.1	-2.5	4,612	4,486	4,877	5,173	(X)	(X)	-10.8
TOTAL INVENTORIES													
All manufacturing industries.....	685,681	682,052	681,661	0.5	0.1	-0.1	684,209	666,065	682,239	660,215	(X)	(X)	3.6
Construction materials and supplies.....	74,370	74,240	73,891	0.2	0.5	0.4	74,586	72,636	72,780	69,437	(X)	(X)	7.4
Information technology.....	39,845	39,769	39,426	0.2	0.9	0.5	39,415	38,382	39,772	37,586	(X)	(X)	4.9
Computers and related products.....	3,690	3,772	3,737	-2.2	0.9	2.2	3,660	3,534	3,804	3,706	(X)	(X)	-1.2
Motor vehicle and parts.....	37,409	36,929	36,996	1.3	-0.2	1.0	37,948	35,744	36,961	35,870	(X)	(X)	5.8
Capital goods.....	205,909	204,647	203,906	0.6	0.4	0.2	204,477	198,326	205,496	195,508	(X)	(X)	4.6
Nondefense capital goods ³	182,950	181,993	181,009	0.5	0.5	0.2	181,624	175,718	182,725	173,149	(X)	(X)	4.9
Excluding aircraft.....	127,980	127,432	126,560	0.4	0.7	0.5	127,000	123,310	127,846	120,262	(X)	(X)	5.6
Defense capital goods ⁴	22,959	22,654	22,897	1.3	-1.1	0.4	22,853	22,608	22,771	22,359	(X)	(X)	2.2
Consumer goods.....	200,753	199,054	200,607	0.9	-0.8	-1.1	199,903	194,382	202,194	199,100	(X)	(X)	0.4
Consumer durable goods.....	30,829	30,486	30,617	1.1	-0.4	1.2	31,452	29,290	30,810	30,138	(X)	(X)	4.4
Consumer nondurable goods.....	169,924	168,568	169,990	0.8	-0.8	-1.5	168,451	165,092	171,384	168,962	(X)	(X)	-0.3

^x Not Applicable

^p Preliminary

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

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

² Topical series are regroupings of the separate industry categories.

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

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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, January Full Report, March 19, 2019. Information on data sources and methodology can be found on our website at <http://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 January 2019/ 2018
	Jan. 2019 ^p	Dec. 2018 ^f	Nov. 2018	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2019 ^p	Dec. 2018 ^f	Nov. 2018	Jan. 2018	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	239,090	237,606	237,342	0.6	0.1	0.2	239,407	235,121	237,052	223,994	6.9
Durable goods industries.....	146,632	145,768	145,226	0.6	0.4	0.7	146,923	144,340	145,182	134,223	9.5
Wood products.....	5,225	5,234	5,204	-0.2	0.6	0.9	5,475	5,385	5,301	5,143	6.5
Nonmetallic mineral products.....	6,066	6,017	5,979	0.8	0.6	0.5	6,063	5,979	5,928	5,672	6.9
Primary metals.....	13,430	13,234	13,099	1.5	1.0	1.2	13,561	13,368	13,243	12,274	10.5
Fabricated metal products.....	20,701	20,812	20,793	-0.5	0.1	0.5	20,739	20,795	20,655	18,755	10.6
Machinery.....	29,131	28,861	28,481	0.9	1.3	0.6	29,046	28,175	28,603	25,660	13.2
Computers and electronic products.....	18,997	19,003	19,177	0.0	-0.9	0.8	18,881	18,605	19,157	17,526	7.7
Electrical equipment, appliances, and components.....	8,456	8,370	8,295	1.0	0.9	0.3	8,441	8,192	8,178	7,386	14.3
Transportation equipment.....	32,628	32,318	32,319	1.0	0.0	1.0	32,668	32,045	32,250	30,165	8.3
Furniture and related products.....	4,007	3,936	3,919	1.8	0.4	-0.1	4,046	3,897	3,892	3,907	3.6
Miscellaneous products.....	7,991	7,983	7,960	0.1	0.3	1.0	8,003	7,899	7,975	7,735	3.5
Nondurable goods industries.....	92,458	91,838	92,116	0.7	-0.3	-0.7	92,484	90,781	91,870	89,771	3.0
Food products.....	17,694	17,569	17,478	0.7	0.5	-0.7	17,853	17,721	17,992	17,676	1.0
Beverage and tobacco products.....	6,013	5,987	5,984	0.4	0.1	0.2	6,195	6,092	6,131	6,050	2.4
Textiles.....	1,193	1,198	1,187	-0.4	0.9	1.8	1,192	1,191	1,171	1,081	10.3
Textile products.....	1,357	1,335	1,326	1.6	0.7	1.1	1,356	1,326	1,318	1,299	4.4
Apparel.....	525	517	517	1.5	0.0	1.6	525	501	504	486	8.0
Leather and allied products.....	281	281	279	0.0	0.7	2.6	278	283	274	237	17.3
Paper products.....	8,193	8,211	8,082	-0.2	1.6	-0.6	8,268	8,222	8,031	8,014	3.2
Printing.....	2,907	2,904	2,888	0.1	0.6	0.7	2,864	2,852	2,900	2,705	5.9
Petroleum and coal products.....	11,113	11,104	11,614	0.1	-4.4	-5.9	10,600	10,489	11,333	11,535	-8.1
Chemical products.....	31,737	31,262	31,230	1.5	0.1	0.4	31,823	30,830	30,758	29,771	6.9
Plastics and rubber products.....	11,445	11,470	11,531	-0.2	-0.5	0.0	11,530	11,274	11,458	10,917	5.6
WORK IN PROCESS											
All manufacturing industries.....	208,093	207,221	207,416	0.4	-0.1	-0.4	207,165	201,529	208,164	203,306	1.9
Durable goods industries.....	152,409	152,010	152,042	0.3	0.0	0.0	151,766	147,093	152,363	149,204	1.7
Wood products.....	2,194	2,229	2,261	-1.6	-1.4	-0.9	2,221	2,179	2,227	2,166	2.5
Nonmetallic mineral products.....	1,588	1,590	1,595	-0.1	-0.3	0.7	1,598	1,519	1,518	1,566	2.0
Primary metals.....	10,564	10,765	10,788	-1.9	-0.2	0.9	10,437	10,390	10,696	9,837	6.1
Fabricated metal products.....	14,087	14,004	13,875	0.6	0.9	0.0	13,991	13,677	13,915	13,300	5.2
Machinery.....	18,342	18,308	18,205	0.2	0.6	-0.7	18,094	17,307	18,751	18,257	-0.9
Computers and electronic products.....	12,324	12,406	12,524	-0.7	-0.9	-0.2	12,116	11,757	12,399	13,002	-6.8
Electrical equipment, appliances, and components.....	4,175	4,208	4,164	-0.8	1.1	1.9	4,176	3,999	4,078	3,793	10.1
Transportation equipment.....	83,925	83,316	83,450	0.7	-0.2	-0.1	83,922	81,214	83,581	82,280	2.0
Furniture and related products.....	1,358	1,358	1,364	0.0	-0.4	1.3	1,371	1,344	1,355	1,384	-0.9
Miscellaneous products.....	3,852	3,826	3,816	0.7	0.3	0.4	3,840	3,707	3,843	3,619	6.1
Nondurable goods industries.....	55,684	55,211	55,374	0.9	-0.3	-1.4	55,399	54,436	55,801	54,102	2.4
Food products.....	6,005	5,838	5,890	2.9	-0.9	1.8	6,301	6,365	6,807	6,692	-5.8
Beverage and tobacco products.....	9,503	9,513	9,436	-0.1	0.8	0.8	9,869	9,900	9,657	9,493	4.0
Textiles.....	745	733	724	1.6	1.2	-0.5	742	713	723	699	6.2
Textile products.....	429	435	424	-1.4	2.6	-0.5	431	415	425	418	3.1
Apparel.....	337	340	338	-0.9	0.6	-0.9	329	309	324	318	3.5
Leather and allied products.....	79	80	79	-1.3	1.3	-1.3	79	78	79	75	5.3
Paper products.....	1,359	1,336	1,305	1.7	2.4	0.1	1,352	1,310	1,293	1,249	8.2
Printing.....	1,210	1,194	1,172	1.3	1.9	1.7	1,176	1,140	1,179	1,070	9.9
Petroleum and coal products.....	12,598	11,653	12,088	8.1	-3.6	-10.2	11,833	10,783	11,771	12,102	-2.2
Chemical products.....	20,191	20,867	20,688	-3.2	0.9	2.0	20,069	20,305	20,306	18,978	5.7
Plastics and rubber products.....	3,228	3,222	3,230	0.2	-0.2	-0.3	3,218	3,118	3,237	3,008	7.0
FINISHED GOODS											
All manufacturing industries.....	238,498	237,225	236,903	0.5	0.1	0.0	237,637	229,415	237,023	232,915	2.0
Durable goods industries.....	118,174	117,563	116,743	0.5	0.7	0.8	118,230	113,540	116,770	113,939	3.8
Wood products.....	4,985	4,991	4,965	-0.1	0.5	0.2	5,046	4,859	4,875	4,946	2.0
Nonmetallic mineral products.....	7,296	7,345	7,294	-0.7	0.7	0.4	7,317	7,183	7,019	6,793	7.7
Primary metals.....	12,596	12,557	12,386	0.3	1.4	1.8	12,632	12,601	12,123	11,560	9.3
Fabricated metal products.....	19,925	19,841	19,891	0.4	-0.3	0.8	19,911	19,323	19,566	18,842	5.7
Machinery.....	23,416	23,360	23,396	0.2	-0.2	1.1	23,524	22,706	23,582	22,725	3.5
Computers and electronic products.....	11,913	11,896	11,602	0.1	2.5	0.5	11,765	11,371	11,936	11,900	-1.1
Electrical equipment, appliances, and components.....	7,204	7,100	7,001	1.5	1.4	1.3	7,195	6,612	6,896	6,981	3.1
Transportation equipment.....	16,011	15,721	15,656	1.8	0.4	0.1	16,044	14,507	16,027	15,716	2.1
Furniture and related products.....	2,711	2,737	2,683	-0.9	2.0	0.3	2,694	2,555	2,692	2,643	1.9
Miscellaneous products.....	12,117	12,015	11,869	0.8	1.2	0.2	12,102	11,823	12,054	11,833	2.3
Nondurable goods industries.....	120,324	119,662	120,160	0.6	-0.4	-0.7	119,407	115,875	120,253	118,976	0.4
Food products.....	30,218	30,338	30,032	-0.4	1.0	-0.4	29,395	29,227	30,473	29,766	-1.2
Beverage and tobacco products.....	9,149	9,335	9,172	-2.0	1.8	-0.4	9,057	8,985	9,024	9,224	-1.8
Textiles.....	1,561	1,542	1,466	1.2	5.2	1.5	1,574	1,525	1,442	1,408	11.8
Textile products.....	1,792	1,790	1,785	0.1	0.3	1.2	1,817	1,742	1,769	1,696	7.1
Apparel.....	1,070	1,084	1,055	-1.3	-1.9	-1.3	1,084	1,010	1,059	1,101	-1.5
Leather and allied products.....	463	471	460	-1.7	2.4	2.2	459	454	453	448	2.5
Paper products.....	6,831	6,695	6,682	2.0	0.2	1.6	6,840	6,625	6,573	6,673	2.5
Printing.....	1,583	1,541	1,509	2.7	2.1	1.8	1,541	1,499	1,508	1,518	1.5
Petroleum and coal products.....	15,534	15,173	16,021	2.4	-5.3	-6.3	15,486	15,127	16,313	16,373	-5.4
Chemical products.....	39,424	39,056	39,438	0.9	-1.0	0.3	39,520	37,436	39,328	38,772	1.9
Plastics and rubber products.....	12,699	12,637	12,490	0.5	1.2	0.7	12,634	12,245	12,311	11,997	5.3

^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.

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, January Full Report, March 19, 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			
	Jan 2019 ^a	Dec 2018 ^a	Nov 2018	Oct 2018	Jan 2019 ^a	Dec 2018 ^a	Nov 2018	Oct 2018
All manufacturing industries ³	1.36	1.35	1.35	1.34	(X)	(X)	(X)	(X)
Durable goods industries ³	1.62	1.60	1.61	1.62	6.57	6.55	6.58	6.68
Wood products.....	1.37	1.37	1.37	1.35	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.35	1.35	1.36	1.35	(X)	(X)	(X)	(X)
Primary metals.....	1.72	1.70	1.66	1.65	1.49	1.47	1.43	1.45
Fabricated metal products.....	1.62	1.62	1.63	1.64	2.64	2.62	2.63	2.64
Machinery.....	2.13	2.14	2.13	2.11	3.54	3.59	3.59	3.59
Computers and electronic products ⁴	1.56	1.56	1.56	1.57	5.35	5.35	5.37	5.39
Electrical equipment, appliances, and components.....	1.73	1.72	1.71	1.67	1.83	1.85	1.88	1.87
Transportation equipment.....	1.47	1.44	1.46	1.50	14.36	14.18	14.35	14.92
Furniture and related products.....	1.22	1.20	1.22	1.21	1.50	1.49	1.52	1.53
Miscellaneous products.....	1.77	1.75	1.73	1.70	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.10	1.09	1.08	1.07	(X)	(X)	(X)	(X)
Food products.....	0.81	0.80	0.80	0.80	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.98	1.98	1.94	1.93	(X)	(X)	(X)	(X)
Textiles.....	1.41	1.39	1.35	1.33	(X)	(X)	(X)	(X)
Textile products.....	1.53	1.49	1.49	1.47	(X)	(X)	(X)	(X)
Apparel.....	1.97	1.97	2.00	1.99	(X)	(X)	(X)	(X)
Leather and allied products.....	1.91	1.97	1.98	2.00	(X)	(X)	(X)	(X)
Paper products.....	1.02	1.01	1.00	0.99	(X)	(X)	(X)	(X)
Printing.....	0.85	0.85	0.83	0.82	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.78	0.75	0.75	0.73	(X)	(X)	(X)	(X)
Chemical products.....	1.37	1.37	1.37	1.37	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.38	1.38	1.38	1.38	(X)	(X)	(X)	(X)

^a Not Applicable

^b Preliminary

^c 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, January Full Report, March 19, 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	
	Jan ² 2019	Jan ¹ 2018- Dec 2018	Jan ² 2019	Jan ¹ 2018- Dec 2018	Jan ² 2019	Jan ¹ 2018- Dec 2018	Jan ² 2019	Jan ¹ 2018- Dec 2018
	All manufacturing industries.....	(X)	0.1	(X)	0.2	(X)	0.1	(X)
Durable goods industries.....	0.0	0.2	-0.1	0.4	0.0	0.1	0.1	0.1
Wood products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Nonmetallic mineral products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.6	0.3	-0.5	0.8	0.1	0.3	0.2	0.3
Fabricated metal products.....	-0.5	0.3	-0.6	0.6	0.0	0.2	0.0	0.2
Machinery.....	0.2	0.3	0.1	0.8	0.0	0.2	0.0	0.2
Computers and electronic products.....	0.0	0.3	0.4	0.6	0.1	0.1	0.1	0.1
Electrical equipment, appliances, and components.....	-0.1	0.4	-0.3	0.7	-0.2	0.2	0.2	0.3
Transportation equipment.....	0.1	0.3	0.0	0.7	0.0	0.1	0.0	0.0
Furniture and related products.....	(X)	0.5	(X)	0.8	(X)	0.7	(X)	0.4
Miscellaneous products.....	(X)	0.2	(X)	0.2	(X)	0.2	(X)	0.1
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Textile products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Apparel.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.6
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.6
Chemical products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable

NA Not Available

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

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

³ The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

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, January Full Report, March 19, 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>.