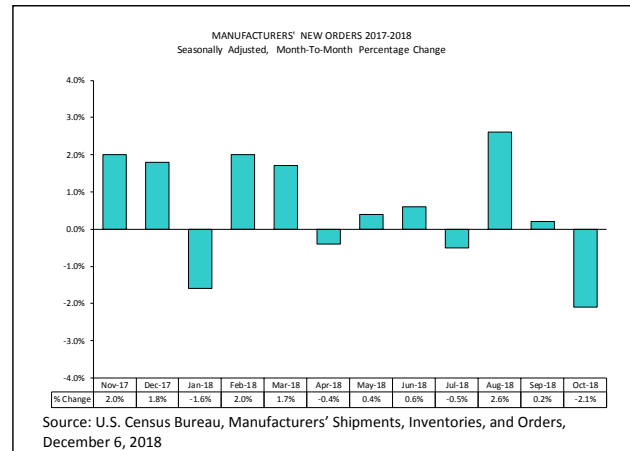
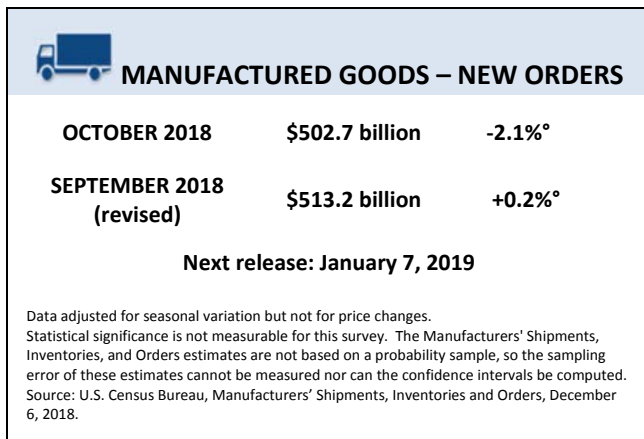


FOR RELEASE AT 10:00 AM EST, THURSDAY, DECEMBER 6, 2018

## MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS OCTOBER 2018

Release Number: CB 18-183 M3-2 (18)-10

**December 6, 2018** — The U.S. Census Bureau announces the October full report on manufacturers' shipments, inventories and orders:



### Summary

New orders for manufactured goods in October, down following two consecutive monthly increases, decreased \$10.5 billion or 2.1 percent to \$502.7 billion, the U.S. Census Bureau reported today. This followed a 0.2 percent September increase. Shipments, down following fifteen consecutive monthly increases, decreased \$0.5 billion or 0.1 percent to \$508.4 billion. This followed a 0.7 percent September increase. Unfilled orders, down following eight consecutive monthly increases, decreased \$1.7 billion or 0.1 percent to \$1,183.6 billion. This followed a 0.7 percent September increase. The unfilled orders-to-shipments ratio was 6.70, up from 6.65 in September. Inventories, up twenty-four consecutive months, increased \$0.9 billion or 0.1 percent to \$681.7 billion. This followed a 0.6 percent September increase. The inventories-to-shipments ratio was 1.34, unchanged from September.

### New Orders

New orders for manufactured durable goods in October, down three of the last four months, decreased \$11.2 billion or 4.3 percent to \$249.0 billion, up from the previously published 4.4 percent decrease. This followed a virtually unchanged September decrease. Transportation equipment, down following two consecutive monthly increases, drove the decrease, \$11.6 billion or 12.0 percent to \$84.8 billion. New orders for manufactured nondurable goods increased \$0.7 billion or 0.3 percent to \$253.7 billion.

#### Data Inquiries

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U.S. Department of Commerce  
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## Shipments

Shipments of manufactured durable goods in October, down following two consecutive monthly increases, decreased \$1.2 billion or 0.5 percent to \$254.6 billion, up from the previously published 0.6 percent decrease. This followed a 0.9 percent September increase. Transportation equipment, also down following two consecutive monthly increases, drove the decrease, \$1.5 billion or 1.7 percent to \$87.6 billion. Shipments of manufactured nondurable goods, up sixteen of the last seventeen months, increased \$0.7 billion or 0.3 percent to \$253.7 billion. This followed a 0.5 percent September increase. Petroleum and coal products, up fifteen of the last sixteen months, drove the increase, \$0.9 billion or 1.6 percent to \$59.1 billion.

## Unfilled Orders

Unfilled orders for manufactured durable goods in October, down following eight consecutive monthly increases, decreased \$1.7 billion or 0.1 percent to \$1,183.6 billion, up from the previously published 0.2 percent decrease. This followed a 0.7 percent September increase. Transportation equipment, down following two consecutive monthly increases, drove the decrease, \$2.8 billion or 0.3 percent to \$815.2 billion.

## Inventories

Inventories of manufactured durable goods in October, up twenty-one of the last twenty-two months, increased \$0.3 billion or 0.1 percent to \$411.3 billion, up from the previously published virtually unchanged decrease. This followed a 0.8 percent September increase. Transportation equipment, up three of the last four months, drove the increase, \$0.5 billion or 0.4 percent to \$131.1 billion. Inventories of manufactured nondurable goods, up sixteen consecutive months, increased \$0.6 billion or 0.2 percent to \$270.3 billion. This followed a 0.4 percent September increase. Chemical products, up twelve of the last thirteen months, drove the increase, \$0.6 billion or 0.7 percent to \$90.5 billion. By stage of fabrication, October materials and supplies increased 0.5 percent in durable goods and increased 0.2 percent in nondurable goods. Work in process decreased 0.1 percent in durable goods and decreased 1.1 percent in nondurable goods. Finished goods decreased 0.2 percent in durable goods and increased 0.9 percent in nondurable goods.

The Advance Report on durable goods for November is scheduled for release on December 21, 2018 at 8:30 a.m. EST and the Full Report on January 7, 2019 at 10:00 a.m. EST. View the full schedule in the Economic Briefing Room: <[www.census.gov/economic-indicators/](http://www.census.gov/economic-indicators/)>. The full text and tables of this release can be found at <[www.census.gov/m3](http://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 include 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).

## Hurricanes

For information on the impact of recent hurricanes on the compilation of this report, please see the Frequently Asked Questions (FAQs) on our website at:

<https://www.census.gov/manufacturing/m3/hurricanesfaqsm3.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/](http://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.

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## 2019 Release Dates

Survey month	Advance Report (8:30 a.m. release time)	Full Report (10:00 a.m. release time)
Nov-18	Fri 12/21/2018	Mon 1/7/2019
Dec-18	Fri 1/25/2019	Mon 2/4/2019
Jan-19	Wed 2/27/2019	Wed 3/6/2019
Feb-19	Tue 3/26/2019	Wed 4/3/2019
Mar-19	Thu 4/25/2019	Thu 5/2/2019
Apr-19	Fri 5/24/2019	Tue 6/4/2019
May-19	Wed 6/26/2019	Wed 7/3/2019
Jun-19	Thu 7/25/2019	Fri 8/2/2019
Jul-19	Mon 8/26/2019	Thu 9/5/2019
Aug-19	Fri 9/27/2019	Thu 10/3/2019
Sep-19	Thu 10/24/2019	Mon 11/4/2019
Oct-19	Wed 11/27/2019	Thu 12/5/2019
Nov-19	Tue 12/24/2019	Not available at this time

Source: <[https://www.whitehouse.gov/wp-content/uploads/2018/09/pfei\\_schedule\\_releasedates\\_2019.pdf](https://www.whitehouse.gov/wp-content/uploads/2018/09/pfei_schedule_releasedates_2019.pdf)>

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**Table 1. Value of Manufacturers' Shipments for Industry Groups<sup>1</sup>**

[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 2018/2017
	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>f</sup>	Aug. 2018	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>f</sup>	Aug. 2018	Oct. 2017	2018 <sup>p</sup>	2017	
All manufacturing industries.....	508,363	508,879	505,207	-0.1	0.7	0.7	526,512	516,992	529,157	486,150	5,013,074	4,660,721	7.6
Excluding transportation.....	420,728	419,707	418,647	0.2	0.3	0.4	434,354	424,081	436,438	404,125	4,159,876	3,863,263	7.7
Excluding defense.....	494,259	495,062	491,454	-0.2	0.7	0.7	512,655	501,929	515,436	473,490	4,880,749	4,539,854	7.5
With unfilled orders.....	176,707	178,246	176,516	-0.9	1.0	1.8	180,833	184,838	184,753	166,601	1,746,420	1,623,801	7.6
Durable goods industries.....	254,648	255,840	253,456	-0.5	0.9	0.9	264,832	263,398	267,539	243,336	2,512,278	2,341,705	7.3
Wood products.....	9,293	9,398	9,481	-1.1	-0.9	-0.5	9,874	9,540	10,192	9,727	95,653	92,181	3.8
Nonmetallic mineral products.....	10,960	10,905	10,984	0.5	-0.7	0.2	12,202	11,106	12,503	11,648	110,772	106,671	3.8
Primary metals.....	21,599	21,750	21,770	-0.7	-0.1	0.6	22,165	21,297	23,152	19,126	215,537	186,712	15.4
Iron and steel mills.....	11,089	11,099	11,014	-0.1	0.8	0.6	11,440	10,775	11,803	9,477	107,879	91,474	17.9
Aluminum and nonferrous metals.....	9,137	9,315	9,376	-1.9	-0.7	0.7	9,326	9,151	9,846	8,301	93,642	81,683	14.6
Ferrous metal foundries.....	1,373	1,336	1,380	2.8	-3.2	-0.9	1,399	1,371	1,503	1,348	14,016	13,555	3.4
Fabricated metal products.....	33,099	32,913	32,967	0.6	-0.2	0.1	34,958	33,156	35,501	32,207	330,251	301,924	9.4
Machinery.....	32,799	32,698	32,894	0.3	-0.6	-0.3	33,031	32,690	33,401	31,598	327,101	306,617	6.7
Farm machinery.....	2,516	2,531	2,435	-0.6	3.9	-6.8	2,374	2,325	2,218	2,267	26,117	22,007	18.7
Construction machinery.....	2,920	2,969	3,022	-1.7	-1.8	0.6	3,119	2,861	3,006	2,934	29,690	26,641	11.4
Mining, oil field, and gas field machinery.....	1,464	1,496	1,538	-2.1	-2.7	-0.2	1,513	1,568	1,536	1,566	15,104	14,755	2.4
Industrial machinery.....	2,691	2,763	2,803	-2.6	-1.4	2.7	2,644	3,069	2,783	2,577	26,350	25,916	1.7
Photographic equipment.....	594	585	524	1.5	11.6	-13.4	591	623	496	467	5,445	5,153	5.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,893	3,863	3,883	0.8	-0.5	-0.8	3,626	3,851	4,264	3,373	39,113	37,210	5.1
Metalworking machinery.....	2,582	2,496	2,626	3.4	-5.0	-5.3	2,775	2,595	2,670	2,838	26,926	25,655	5.0
Turbines, generators, and other power transmission equipment.....	4,475	4,492	4,384	-0.4	2.5	6.8	4,578	4,364	4,507	4,264	42,292	39,113	8.1
Material handling equipment.....	2,706	2,701	2,732	0.2	-1.1	1.5	2,853	2,636	2,971	2,634	26,994	24,909	8.4
Computers and electronic products <sup>2</sup> .....	27,353	27,121	27,129	0.9	0.0	0.0	27,640	29,984	27,326	25,835	263,983	248,696	6.1
Computers.....	827	830	848	-0.4	-2.1	1.0	783	996	886	758	7,853	8,314	-5.5
Computer storage devices.....	291	273	306	6.6	-10.8	-10.8	237	371	269	257	2,703	4,946	-45.3
Other peripheral equipment.....	803	789	785	1.8	0.5	-0.4	764	898	721	720	7,286	6,288	15.9
Nondefense communications equipment.....	3,270	3,279	3,225	-0.3	1.7	-0.7	2,967	4,005	2,939	2,781	31,119	27,988	11.2
Defense communications equipment.....	333	307	304	8.5	1.0	2.7	337	340	312	265	2,858	2,479	15.3
Audio and video equipment.....	269	245	233	9.8	5.2	-0.9	386	248	232	353	2,277	2,453	-7.2
Electronic components.....	3,444	3,396	3,396	1.4	0.0	1.5	3,461	3,542	3,660	3,533	34,830	34,310	1.5
Nondefense search and navigation equipment.....	1,563	1,517	1,531	3.0	-0.9	-0.1	1,533	1,682	1,535	1,437	15,142	14,297	5.9
Defense search and navigation equipment.....	2,790	2,734	2,774	2.0	-1.4	0.8	2,768	2,982	2,807	2,714	27,051	26,118	3.6
Electromedical, measuring, and control instruments.....	9,445	9,304	9,456	1.5	-1.6	-0.7	9,090	10,423	9,260	8,194	90,272	80,277	12.5
Electrical equipment, appliances, and components.....	11,523	11,595	11,465	-0.6	1.1	1.3	11,983	12,101	12,101	11,158	113,427	107,081	5.9
Electric lighting equipment.....	1,041	1,040	1,050	0.1	-1.0	0.5	1,110	1,048	1,101	1,107	10,523	10,714	-1.8
Household appliances.....	1,776	1,759	1,740	1.0	1.1	1.3	1,930	1,855	1,831	1,808	17,168	17,565	-2.3
Electrical equipment.....	3,090	3,189	3,160	-3.1	0.9	0.3	2,955	3,386	3,302	2,825	31,167	29,753	4.8
Batteries.....	928	928	926	0.0	0.2	-4.5	1,127	944	996	1,130	9,247	9,063	2.0
Transportation equipment.....	87,635	89,172	86,560	-1.7	3.0	2.4	92,158	92,911	92,719	82,025	853,198	797,458	7.0
Automobiles.....	9,468	8,638	8,561	9.6	0.9	0.0	10,212	8,633	9,589	9,962	91,714	99,442	-7.8
Light trucks and utility vehicles.....	20,996	21,544	21,082	-2.5	2.2	-2.9	23,044	21,971	23,462	18,434	198,657	164,738	20.6
Heavy duty trucks.....	2,776	2,772	2,792	0.1	-0.7	-0.2	3,047	2,760	2,951	2,774	27,454	24,253	13.2
Motor vehicle bodies, parts, and trailers.....	27,597	27,593	27,468	0.0	0.5	1.0	29,894	27,005	29,868	26,934	273,642	259,254	5.5
Nondefense aircraft and parts.....	12,694	14,794	12,778	-14.2	15.8	19.9	11,820	17,495	12,845	10,973	128,730	126,770	1.5
Defense aircraft and parts.....	4,759	4,767	4,693	-0.2	1.6	-1.0	4,613	5,380	4,677	4,467	44,303	42,575	4.1
Ships and boats.....	2,717	2,752	2,738	-1.3	0.5	-2.1	2,803	2,785	2,650	2,786	27,710	26,740	3.6
Furniture and related products.....	6,531	6,444	6,484	1.4	-0.6	-0.7	6,623	6,428	7,094	6,408	65,245	63,294	3.1
Miscellaneous durable goods.....	13,856	13,844	13,722	0.1	0.9	-0.2	14,198	14,185	13,550	13,604	137,111	131,071	4.6
Nondurable goods industries.....	253,715	253,039	251,751	0.3	0.5	0.6	261,680	253,594	261,618	242,814	2,500,796	2,319,016	7.8
Food products.....	67,083	66,985	67,464	0.1	-0.7	-0.1	70,356	68,204	68,637	70,081	671,929	662,549	1.4
Grain and oilseed milling.....	7,596	7,710	7,915	-1.5	-2.6	-0.5	8,310	7,488	8,099	8,217	78,225	74,140	5.5
Dairy products.....	9,359	9,335	9,367	0.3	-0.3	-0.4	9,688	9,302	9,571	9,906	94,215	96,422	-2.3
Meat, poultry, and seafood products.....	19,230	19,106	19,346	0.6	-1.2	-0.2	19,370	19,261	19,838	19,522	194,039	192,918	0.6
Beverage and tobacco products.....	12,701	12,888	12,966	-1.5	-0.6	2.1	12,709	13,040	13,504	11,823	125,976	124,532	1.2
Beverages.....	8,785	8,780	8,823	0.1	-0.5	0.0	8,793	8,932	9,361	8,298	87,458	86,800	0.8
Tobacco.....	3,916	4,108	4,143	-4.7	-0.8	6.9	3,916	4,108	4,143	3,525	38,518	37,732	2.1
Textile mills.....	2,504	2,527	2,538	-0.9	-0.4	0.2	2,592	2,526	2,705	2,540	25,400	24,694	2.9
Textile products.....	2,389	2,346	2,306	1.8	1.7	0.5	2,420	2,297	2,425	2,147	22,995	21,263	8.1
Apparel.....	993	990	984	0.3	0.6	2.5	1,148	1,017	1,105	1,027	9,591	8,891	7.9
Leather and allied products.....	397	399	417	-0.5	-4.3	-1.2	415	389	425	440	4,147	4,178	-0.7
Paper products.....	16,170	16,263	16,294	-0.6	-0.2	1.0	17,038	16,232	17,105	16,543	161,944	153,500	5.5
Pulp, paper, and paperboard mills.....	6,622	6,690	6,680	-1.0	0.1	0.0	6,844	6,735	7,001	6,693	66,230	64,217	3.1
Paperboard containers.....	5,604	5,628	5,655	-0.4	-0.5	3.0	6,022	5,597	6,032	5,795	56,304	53,834	4.6
Printing.....	6,644	6,511	6,581	2.0	-1.1	-1.6	7,269	6,540	6,883	6,906	65,715	64,894	1.3
Petroleum and coal products.....	59,085	58,179	56,544	1.6	2.9	0.8	60,147	58,599	60,228	48,945	557,181	437,332	27.4
Petroleum refineries.....	54,987	54,028	52,393	1.8	3.1	0.7	55,472	54,035	55,124	44,692	515,679	399,251	29.2
Chemical products.....	66,015	66,040	65,784	0.0	0.4	1.0	66,858	65,086	67,623	62,252	655,235	620,904	5.5
Pesticides, fertilizers, and other agricultural chemicals.....	2,890	2,955	2,936	-2.2	0.6	6.7	2,281	2,610	2,585	1,790	27,391	23,973	14.3
Pharmaceuticals and medicines.....	21,725	21,745	21,492	-0.1	1.2	0.9	22,600	21,737	22,106	20,504	211,844	194,144	9.1
Paints, coatings, and adhesives.....	3,812	3,809	3,813	0.1	-0.1	1.4	3,915	3,666	4,187	3,675	39,124	36,480	7.2
Plastics and rubber products.....	19,734	19,911	19,873	-0.9	0.2	0.1	20,728	19,664	20,978	20,110	200,683	196,279	2.2

<sup>p</sup> Preliminary

<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> 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, October Full Report, December 6, 2018. 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html).

**Table 2. Value of Manufacturers' New Orders for Industry Groups<sup>1</sup>**

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>r</sup>	Aug. 2018	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>r</sup>	Aug. 2018	Oct. 2017	2018 <sup>p</sup>	2017	% Change 2018/2017
All manufacturing industries <sup>2</sup> .....	502,677	513,217	511,974	-2.1	0.2	2.6	516,420	520,015	526,774	479,220	5,009,744	4,625,963	8.3
Excluding transportation <sup>2</sup> .....	417,835	416,780	416,394	0.3	0.1	0.4	429,455	419,550	430,267	400,733	4,137,869	3,841,681	7.7
Excluding defense <sup>2</sup> .....	489,180	491,172	493,003	-0.4	-0.4	1.5	504,199	494,628	511,292	468,776	4,863,387	4,508,272	7.9
With unfilled orders <sup>2</sup> .....	175,001	186,721	187,262	-6.3	-0.3	7.2	175,680	192,018	186,759	164,290	1,783,016	1,628,329	9.5
Durable goods industries <sup>2</sup> .....	248,962	260,178	260,223	-4.3	0.0	4.7	254,740	266,421	265,156	236,406	2,508,948	2,306,947	8.8
Primary metals.....	21,429	21,909	22,195	-2.2	-1.3	1.5	21,925	20,757	22,589	19,347	217,906	187,338	16.3
Iron and steel mills.....	10,797	11,152	11,251	-3.2	-0.9	1.2	10,875	10,300	11,319	9,494	109,432	91,988	19.0
Aluminum and nonferrous metals.....	9,254	9,344	9,472	-1.0	-1.4	1.6	9,651	9,076	9,699	8,484	94,250	81,569	15.5
Ferrous metal foundries.....	1,378	1,413	1,472	-2.5	-4.0	2.7	1,399	1,381	1,571	1,369	14,224	13,781	3.2
Fabricated metal products.....	33,394	32,851	33,546	1.7	-2.1	0.5	34,442	32,476	35,278	31,860	336,918	307,689	9.5
Machinery.....	33,193	33,339	33,277	-0.4	0.2	0.2	33,612	32,616	33,539	32,593	331,265	314,204	5.4
Construction machinery.....	2,882	3,191	3,226	-9.7	-1.1	6.3	3,070	3,121	3,180	3,239	29,973	28,249	6.1
Mining, oil field, and gas field machinery.....	1,450	1,539	1,548	-5.8	-0.6	0.2	1,565	1,672	1,571	1,660	15,009	14,912	0.7
Industrial machinery.....	2,752	2,847	2,919	-3.3	-2.5	14.3	2,767	3,022	2,854	2,902	26,533	26,451	0.3
Photographic equipment.....	587	542	436	8.3	24.3	-30.1	659	599	445	576	5,144	5,130	0.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,120	3,975	3,895	3.6	2.1	-4.2	3,823	3,878	4,230	3,419	40,192	37,663	6.7
Metalworking machinery.....	2,632	2,533	2,578	3.9	-1.7	1.3	2,766	2,468	2,590	2,601	26,872	25,525	5.3
Turbines, generators, and other power transmission equipment.....	4,423	4,476	4,325	-1.2	3.5	4.6	4,429	4,229	4,451	4,061	41,770	38,822	7.6
Material handling equipment.....	2,818	2,767	2,911	1.8	-4.9	-3.6	2,701	2,675	2,989	2,584	28,337	26,170	8.3
Computers and electronic products <sup>2</sup> .....	23,836	23,449	23,302	1.7	0.6	-0.7	22,817	26,946	22,199	21,413	227,407	211,852	7.3
Computers.....	856	878	870	-2.5	0.9	1.8	812	1,044	908	787	8,107	8,559	-5.3
Nondefense communications equipment.....	3,445	3,414	3,314	0.9	3.0	-0.5	3,055	4,182	2,888	3,103	32,332	30,304	6.7
Defense communications equipment.....	327	297	315	10.1	-5.7	4.3	305	330	329	293	2,862	2,594	10.3
Electronic components.....	3,496	3,496	3,351	0.0	4.3	-2.3	3,506	3,550	3,569	3,616	35,618	34,871	2.1
Nondefense search and navigation equipment.....	1,604	1,534	1,557	4.6	-1.5	-2.9	1,711	1,740	1,571	1,497	15,965	14,963	6.7
Defense search and navigation equipment.....	2,852	2,773	2,853	2.8	-2.8	2.0	2,653	3,283	2,625	2,458	26,837	24,806	8.2
Electromedical, measuring, and control instruments.....	9,555	9,440	9,426	1.2	0.1	-0.8	9,013	10,960	8,771	8,125	90,754	80,128	13.3
Electrical equipment, appliances, and components.....	11,645	11,455	11,536	1.7	-0.7	0.6	12,064	11,670	12,107	11,250	113,862	107,418	6.0
Electric lighting equipment.....	1,030	1,036	1,054	-0.6	-1.7	0.6	1,093	1,038	1,087	1,138	10,572	10,878	-2.8
Household appliances.....	1,805	1,793	1,712	0.7	4.7	0.9	1,979	1,876	1,809	1,808	17,406	17,671	-1.5
Electrical equipment.....	3,111	3,148	3,123	-1.2	0.8	-1.1	3,091	3,145	3,248	3,054	30,973	29,751	4.1
Transportation equipment.....	84,842	96,437	95,580	-12.0	0.9	13.3	86,965	100,465	96,507	78,487	871,875	784,282	11.2
Motor vehicle bodies, parts, and trailers.....	27,600	27,624	27,639	-0.1	-0.1	1.3	28,813	27,174	30,429	26,184	272,874	259,783	5.0
Nondefense aircraft and parts.....	10,416	13,391	16,547	-22.2	-19.1	63.7	9,006	14,484	14,248	10,690	132,745	116,756	13.7
Defense aircraft and parts.....	4,710	11,584	5,337	-59.3	117.1	20.4	4,239	12,259	3,910	3,222	50,565	42,064	20.2
Ships and boats.....	1,643	2,709	3,792	-39.4	-28.6	28.8	2,062	3,735	2,497	2,356	29,958	27,983	7.1
Furniture and related products.....	6,516	6,672	6,617	-2.3	0.8	1.7	6,643	6,741	6,709	6,468	66,243	64,202	3.2
Nondurable goods industries.....	253,715	253,039	251,751	0.3	0.5	0.6	261,680	253,594	261,618	242,814	2,500,796	2,319,016	7.8

<sup>p</sup> Preliminary

<sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> 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, October Full Report, December 6, 2018. 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.

**Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups<sup>1</sup>**

[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 October 2018/ 2017
	Monthly			Percent Change			Monthly				
	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>r</sup>	Aug. 2018	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>r</sup>	Aug. 2018	Oct. 2017	
All manufacturing industries <sup>2</sup> .....	1,183,576	1,185,282	1,176,807	-0.1	0.7	0.9	1,173,008	1,178,161	1,170,981	1,119,195	4.8
Excluding transportation <sup>2</sup> .....	368,336	367,249	366,039	0.3	0.3	0.5	364,492	364,452	364,826	347,388	4.9
Excluding defense <sup>2</sup> .....	988,320	989,419	989,172	-0.1	0.0	0.6	978,795	982,312	985,456	939,408	4.2
Durable goods industries <sup>2</sup> .....	1,183,576	1,185,282	1,176,807	-0.1	0.7	0.9	1,173,008	1,178,161	1,170,981	1,119,195	4.8
Primary metals.....	31,486	31,656	31,497	-0.5	0.5	1.4	30,247	30,487	31,027	26,501	14.1
Iron and steel mills.....	16,760	17,052	16,999	-1.7	0.3	1.4	15,771	16,336	16,811	13,368	18.0
Aluminum and nonferrous metals.....	11,275	11,158	11,129	1.0	0.3	0.9	11,114	10,789	10,864	10,043	10.7
Ferrous metal foundries.....	3,451	3,446	3,369	0.1	2.3	2.8	3,362	3,362	3,352	3,090	8.8
Fabricated metal products.....	84,982	84,687	84,749	0.3	-0.1	0.7	84,041	84,557	85,237	77,462	8.5
Machinery.....	106,099	105,705	105,064	0.4	0.6	0.4	105,501	104,920	104,994	103,494	1.9
Construction machinery.....	6,568	6,606	6,384	-0.6	3.5	3.3	6,281	6,330	6,070	6,289	-0.1
Mining, oil field, and gas field machinery.....	4,376	4,390	4,347	-0.3	1.0	0.2	4,444	4,392	4,288	4,663	-4.7
Industrial machinery.....	8,671	8,610	8,526	0.7	1.0	1.4	8,649	8,526	8,573	9,025	-4.2
Photographic equipment.....	1,505	1,512	1,555	-0.5	-2.8	-5.4	1,529	1,461	1,485	1,672	-8.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,315	7,088	6,976	3.2	1.6	0.2	7,190	6,993	6,966	5,976	20.3
Metalworking machinery.....	7,862	7,812	7,775	0.6	0.5	-0.6	7,711	7,720	7,847	7,694	0.2
Turbines, generators, and other power transmission equipment.....	29,369	29,421	29,437	-0.2	-0.1	-0.2	29,298	29,447	29,582	29,770	-1.6
Material handling equipment.....	13,029	12,917	12,851	0.9	0.5	1.4	12,768	12,920	12,881	11,240	13.6
Computers and electronic products <sup>2</sup> .....	116,388	115,925	115,460	0.4	0.4	0.1	115,820	115,704	114,585	111,926	3.5
Computers.....	2,132	2,103	2,055	1.4	2.3	1.1	2,132	2,103	2,055	1,824	16.9
Nondefense communications equipment.....	25,070	24,895	24,760	0.7	0.5	0.4	24,842	24,754	24,577	23,363	6.3
Defense communications equipment.....	1,431	1,437	1,447	-0.4	-0.7	0.8	1,434	1,466	1,476	1,468	-2.3
Electronic components.....	12,710	12,658	12,558	0.4	0.8	-0.4	12,610	12,565	12,557	11,673	8.0
Nondefense search and navigation equipment.....	19,712	19,671	19,654	0.2	0.1	0.1	19,896	19,718	19,660	19,150	3.9
Defense search and navigation equipment.....	27,157	27,095	27,056	0.2	0.1	0.3	26,991	27,106	26,805	27,405	-1.5
Electromedical, measuring, and control instruments.....	28,176	28,066	27,930	0.4	0.5	-0.1	27,915	27,992	27,455	27,043	3.2
Electrical equipment, appliances, and components.....	19,909	19,787	19,927	0.6	-0.7	0.4	19,467	19,386	19,817	18,985	2.5
Electric lighting equipment.....	1,400	1,411	1,415	-0.8	-0.3	0.3	1,394	1,411	1,421	1,398	-0.3
Household appliances.....	1,442	1,413	1,379	2.1	2.5	-2.0	1,422	1,373	1,352	1,199	18.6
Electrical equipment.....	7,717	7,696	7,737	0.3	-0.5	-0.5	7,641	7,505	7,746	7,809	-2.2
Transportation equipment.....	815,240	818,033	810,768	-0.3	0.9	1.1	808,516	813,709	806,155	771,807	4.8
Motor vehicle bodies, parts, and trailers.....	26,903	26,900	26,869	0.0	0.1	0.6	25,739	26,820	26,651	25,011	2.9
Nondefense aircraft and parts.....	601,700	603,978	605,381	-0.4	-0.2	0.6	597,125	599,939	602,950	577,698	3.4
Defense aircraft and parts.....	79,485	79,534	72,717	-0.1	9.4	0.9	78,756	79,130	72,251	71,285	10.5
Ships and boats.....	29,076	30,150	30,193	-3.6	-0.1	3.6	29,302	30,043	29,093	30,471	-3.8
Furniture and related products.....	8,933	8,948	8,720	-0.2	2.6	1.5	8,877	8,857	8,544	8,399	5.7

<sup>p</sup> Preliminary

<sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> 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, October Full Report, December 6, 2018. 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.



**Table 4. Value of Manufacturers' Inventories for Industry Groups<sup>1</sup>**

[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 October 2018/ 2017
	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>r</sup>	Aug. 2018	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>r</sup>	Aug. 2018	Oct. 2017	
All manufacturing industries.....	681,689	680,834	676,738	0.1	0.6	0.1	685,260	681,230	680,217	654,124	4.8
Excluding transportation.....	550,593	550,277	547,388	0.1	0.5	0.4	553,449	550,972	550,501	526,449	5.1
Excluding defense.....	654,586	653,781	649,781	0.1	0.6	0.1	658,201	654,324	653,285	626,983	5.0
With unfilled orders.....	334,956	334,642	331,682	0.1	0.9	-0.2	335,741	334,437	334,438	320,610	4.7
Durable goods industries.....	411,342	411,069	407,936	0.1	0.8	-0.2	411,894	410,520	410,921	393,888	4.6
Wood products.....	12,345	12,309	12,242	0.3	0.5	0.0	12,206	12,115	12,113	11,694	4.4
Nonmetallic mineral products.....	14,800	14,703	14,543	0.7	1.1	0.3	14,410	14,552	14,432	13,454	7.1
Primary metals.....	35,616	35,536	35,669	0.2	-0.4	0.3	35,608	35,887	36,048	32,902	8.2
Iron and steel mills.....	20,152	20,113	20,135	0.2	-0.1	0.4	20,259	20,489	20,379	18,601	8.9
Aluminum and nonferrous metals.....	13,377	13,357	13,505	0.1	-1.1	0.1	13,279	13,389	13,646	12,391	7.2
Ferrous metal foundries.....	2,087	2,066	2,029	1.0	1.8	1.0	2,070	2,009	2,023	1,910	8.4
Fabricated metal products.....	54,195	54,212	53,777	0.0	0.8	0.7	53,973	54,277	53,959	49,675	8.7
Machinery.....	69,593	69,653	69,054	-0.1	0.9	0.9	69,693	69,777	69,819	66,654	4.6
Farm machinery.....	3,835	3,838	3,801	-0.1	1.0	3.1	3,495	3,591	3,576	3,432	1.8
Construction machinery.....	5,553	5,517	5,435	0.7	1.5	-1.1	5,599	5,553	5,414	5,325	5.1
Mining, oil field, and gas field machinery.....	5,494	5,439	5,393	1.0	0.9	-0.2	5,440	5,397	5,449	5,527	-1.6
Industrial machinery.....	8,492	8,794	8,711	-3.4	1.0	3.1	8,401	9,007	8,809	7,900	6.3
Photographic equipment.....	1,699	1,689	1,704	0.6	-0.9	0.7	1,717	1,699	1,773	1,656	3.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,055	5,054	5,021	0.0	0.7	1.1	5,015	4,940	5,048	4,861	3.2
Metalworking machinery.....	5,943	5,923	5,986	0.3	-1.1	0.5	6,018	6,023	6,095	5,800	3.8
Turbines, generators, and other power transmission equipment.....	9,586	9,584	9,468	0.0	1.2	-0.3	9,805	9,611	9,770	9,608	2.1
Material handling equipment.....	5,897	5,823	5,727	1.3	1.7	1.9	6,130	5,983	5,911	5,579	9.9
Computers and electronic products <sup>2</sup> .....	43,085	43,505	43,068	-1.0	1.0	-0.2	43,330	43,139	43,761	42,974	0.8
Computers.....	1,448	1,502	1,500	-3.6	0.1	0.8	1,440	1,540	1,551	1,563	-7.9
Computer storage devices.....	1,015	1,008	1,009	0.7	-0.1	-1.8	1,062	986	1,044	1,099	-3.4
Other peripheral equipment.....	1,180	1,232	1,175	-4.2	4.9	2.1	1,180	1,185	1,225	1,124	5.0
Nondefense communications equipment.....	4,783	4,732	4,687	1.1	1.0	-0.5	4,829	4,641	4,818	4,685	3.1
Defense communications equipment.....	649	646	661	0.5	-2.3	-2.4	649	646	661	632	2.7
Audio and video equipment.....	557	561	563	-0.7	-0.4	0.7	628	616	594	672	-6.5
Electronic components.....	7,241	7,404	7,240	-2.2	2.3	-0.4	7,193	7,325	7,213	7,287	-1.3
Nondefense search and navigation equipment.....	2,568	2,580	2,548	-0.5	1.3	-0.9	2,615	2,592	2,597	2,623	-0.3
Defense search and navigation equipment.....	2,622	2,623	2,632	0.0	-0.3	0.5	2,590	2,536	2,646	2,581	0.3
Electromedical, measuring and control instruments.....	15,346	15,439	15,316	-0.6	0.8	0.5	15,481	15,283	15,649	15,009	3.1
Electrical equipment, appliances, and components.....	19,227	19,158	18,879	0.4	1.5	0.2	19,179	18,937	19,257	17,703	8.3
Electric lighting equipment.....	2,232	2,235	2,241	-0.1	-0.3	0.5	2,224	2,238	2,260	2,151	3.4
Household appliances.....	2,768	2,792	2,802	-0.9	-0.4	-0.7	2,786	2,788	2,907	2,762	0.9
Electrical equipment.....	5,333	5,319	5,193	0.3	2.4	0.1	5,313	5,042	5,307	4,860	9.3
Batteries.....	1,772	1,809	1,834	-2.0	-1.4	-0.4	1,788	1,902	1,926	1,818	-1.7
Transportation equipment.....	131,096	130,557	129,550	0.4	0.9	-1.4	131,811	130,258	129,716	127,675	3.2
Automobiles.....	4,043	4,078	4,139	-0.9	-1.5	1.1	4,139	4,184	4,140	3,887	6.5
Light trucks and utility vehicles.....	4,524	4,512	4,717	0.3	-4.3	2.0	4,799	4,630	4,884	4,417	8.6
Heavy duty trucks .....	2,237	2,201	2,213	1.6	-0.5	-1.6	2,180	2,120	2,271	1,857	17.4
Motor vehicle bodies, parts, and trailers.....	25,778	25,679	25,496	0.4	0.7	-0.1	25,808	25,652	25,684	24,967	3.4
Nondefense aircraft and parts.....	66,805	66,534	65,342	0.4	1.8	-2.3	67,074	66,119	65,063	64,702	3.7
Defense aircraft and parts.....	13,206	13,144	12,877	0.5	2.1	-0.3	13,211	13,123	12,924	13,154	0.4
Ships and boats.....	2,909	2,957	3,049	-1.6	-3.0	1.8	2,922	3,001	3,004	3,006	-2.8
Furniture and related products.....	7,860	7,944	7,924	-1.1	0.3	0.4	7,793	7,914	8,056	7,690	1.3
Miscellaneous durable goods.....	23,525	23,492	23,430	0.1	0.3	0.2	23,891	23,664	23,760	23,467	1.8
Nondurable goods industries.....	270,347	269,765	268,802	0.2	0.4	0.5	273,366	270,710	269,296	260,236	5.0
Food products.....	53,551	54,061	53,988	-0.9	0.1	-0.2	56,682	54,913	54,491	57,507	-1.4
Grain and oilseed milling.....	5,152	5,278	5,378	-2.4	-1.9	0.0	5,470	5,127	5,199	5,736	-4.6
Dairy products.....	7,585	7,630	7,491	-0.6	1.9	-0.7	7,520	7,667	7,636	7,623	-1.4
Meat, poultry, and seafood products.....	9,254	9,315	9,247	-0.7	0.7	-0.5	9,390	9,396	9,427	9,221	1.8
Beverage and tobacco products.....	24,559	24,472	24,480	0.4	0.0	0.0	25,102	24,391	23,709	24,580	2.1
Beverages.....	20,031	19,942	19,928	0.4	0.1	0.3	20,451	19,998	19,477	19,706	3.8
Tobacco.....	4,528	4,530	4,552	0.0	-0.5	-1.1	4,651	4,393	4,232	4,874	-4.6
Textile mills.....	3,344	3,264	3,254	2.5	0.3	0.4	3,337	3,261	3,268	3,135	6.4
Textile products.....	3,496	3,520	3,500	-0.7	0.6	0.8	3,493	3,535	3,509	3,366	3.8
Apparel.....	1,970	1,962	1,945	0.4	0.9	1.4	2,022	2,034	2,045	1,915	5.6
Leather and allied products.....	804	798	785	0.8	1.7	0.6	800	803	805	750	6.7
Paper products.....	15,994	16,018	16,076	-0.1	-0.4	-0.1	15,832	16,101	16,124	15,550	1.8
Pulp, paper, and paperboard mills.....	6,529	6,453	6,506	1.2	-0.8	-0.1	6,399	6,416	6,490	6,377	0.3
Paperboard containers.....	5,007	5,101	5,121	-1.8	-0.4	0.1	4,995	5,159	5,115	4,877	2.4
Printing.....	5,461	5,485	5,442	-0.4	0.8	0.3	5,632	5,577	5,533	5,580	0.9
Petroleum and coal products.....	43,456	43,281	42,824	0.4	1.1	1.3	43,831	44,371	42,869	36,862	18.9
Petroleum refineries.....	37,533	37,361	37,022	0.5	0.9	1.1	38,068	38,503	37,008	32,175	18.3
Chemical products.....	90,542	89,920	89,734	0.7	0.2	0.6	89,707	88,867	90,249	85,715	4.7
Pesticides, fertilizers, and other agricultural chemicals.....	4,401	4,413	4,567	-0.3	-3.4	-1.0	4,173	4,095	4,353	4,442	-6.1
Pharmaceuticals and medicines.....	37,027	36,588	36,540	1.2	0.1	0.3	36,893	36,070	36,748	34,837	5.9
Paints, coatings, and adhesives.....	3,994	3,973	3,914	0.5	1.5	0.7	3,881	3,890	3,859	3,691	5.1
Plastics and rubber products.....	27,170	26,984	26,774	0.7	0.8	0.6	26,928	26,857	26,694	25,276	6.5

<sup>p</sup> Preliminary

<sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> 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, October Full Report, December 6, 2018. 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](http://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<sup>1,2</sup>**

[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 <sup>6</sup> 2018/ 2017
	Monthly			Percent Change			Monthly			Year to date			
	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>r</sup>	Aug. 2018	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>r</sup>	Aug. 2018	Oct. 2017	2018 <sup>p</sup> 2017		
<b>SHIPMENTS</b>													
All manufacturing industries.....	508,363	508,879	505,207	-0.1	0.7	0.7	526,512	516,992	529,157	486,150	5,013,074	4,660,721	7.6
Construction materials and supplies.....	51,680	51,531	51,724	0.3	-0.4	0.1	55,357	52,114	57,208	51,950	521,087	490,714	6.2
Information technology.....	25,211	24,852	24,867	1.4	-0.1	-0.1	24,692	27,776	24,644	22,438	239,994	220,239	9.0
Computers and related products.....	1,921	1,892	1,939	1.5	-2.4	-1.6	1,784	2,265	1,876	1,735	17,842	19,548	-8.7
Motor vehicle and parts.....	60,837	60,547	59,903	0.5	1.1	-0.6	66,197	60,369	65,870	58,104	591,467	547,687	8.0
Capital goods.....	89,360	90,992	89,033	-1.8	2.2	2.8	88,789	97,752	89,774	83,018	876,678	816,339	7.4
Nondefense capital goods <sup>3</sup> .....	77,242	79,206	77,376	-2.5	2.4	3.0	76,861	84,982	78,154	72,402	763,767	715,860	6.7
Excluding aircraft.....	68,684	68,491	68,724	0.3	-0.3	-0.1	69,022	71,717	69,228	65,701	676,237	632,802	6.9
Defense capital goods <sup>4</sup> .....	12,118	11,786	11,657	2.8	1.1	1.5	11,928	12,770	11,620	10,616	112,911	100,479	12.4
Consumer goods.....	216,957	215,802	213,842	0.5	0.9	0.1	225,690	217,652	223,310	205,302	2,113,471	1,928,598	9.6
Consumer durable goods.....	44,318	43,884	43,315	1.0	1.3	-1.3	47,648	44,522	46,899	42,018	426,893	396,564	7.6
Consumer nondurable goods.....	172,639	171,918	170,527	0.4	0.8	0.5	178,042	173,130	176,411	163,284	1,686,578	1,532,034	10.1
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	502,677	513,217	511,974	-2.1	0.2	2.6	516,420	520,015	526,774	479,220	5,009,744	4,625,963	8.3
Construction materials and supplies.....	52,107	51,487	52,005	1.2	-1.0	0.2	55,234	51,577	56,743	51,752	526,638	495,158	6.4
Information technology.....	25,698	25,045	25,108	2.6	-0.3	-0.6	24,744	28,662	24,042	22,493	242,597	222,166	9.2
Computers and related products.....	1,950	1,940	1,961	0.5	-1.1	-1.3	1,813	2,313	1,898	1,764	18,096	19,793	-8.6
Motor vehicle and parts.....	60,840	60,578	60,074	0.4	0.8	-0.5	65,116	60,538	66,431	57,354	590,699	548,216	7.7
Capital goods.....	86,817	92,339	97,603	-6.0	-5.4	12.7	84,484	99,157	91,760	81,284	890,503	816,930	9.0
Nondefense capital goods <sup>3</sup> .....	75,259	78,513	81,095	-4.1	-3.2	7.4	74,511	81,808	78,289	72,768	771,219	719,290	7.2
Excluding aircraft.....	69,331	69,346	69,747	0.0	-0.6	-0.2	69,576	72,022	68,898	66,453	683,570	642,639	6.4
Defense capital goods <sup>4</sup> .....	11,558	13,826	16,508	-16.4	-16.2	48.8	9,973	17,349	13,471	8,516	119,284	97,640	22.2
Consumer goods.....	216,910	215,759	213,842	0.5	1.0	0.0	225,668	217,725	223,080	205,310	2,113,576	1,928,963	9.6
Consumer durable goods.....	44,271	43,841	43,155	1.0	1.6	-1.8	47,626	44,595	46,669	42,026	426,998	396,929	7.6
Consumer nondurable goods.....	172,639	171,918	170,527	0.4	0.8	0.5	178,042	173,130	176,411	163,284	1,686,578	1,532,034	10.1
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	1,183,576	1,185,282	1,176,807	-0.1	0.7	0.9	1,173,008	1,178,161	1,170,981	1,119,195	(X)	(X)	4.8
Construction materials and supplies.....	58,783	58,356	58,400	0.7	-0.1	0.5	58,122	58,245	58,782	52,570	(X)	(X)	10.6
Information technology.....	114,533	114,046	113,853	0.4	0.2	0.2	113,749	113,697	112,811	110,504	(X)	(X)	2.9
Computers and related products.....	2,132	2,103	2,055	1.4	2.3	1.1	2,132	2,103	2,055	1,824	(X)	(X)	16.9
Motor vehicle and parts.....	26,903	26,900	26,869	0.0	0.1	0.6	25,739	26,820	26,651	25,011	(X)	(X)	2.9
Capital goods.....	869,217	871,760	870,413	-0.3	0.2	1.0	862,918	867,223	865,818	839,305	(X)	(X)	2.8
Nondefense capital goods <sup>3</sup> .....	715,719	717,702	718,395	-0.3	-0.1	0.5	710,264	712,614	715,788	693,702	(X)	(X)	2.4
Excluding aircraft.....	223,256	222,609	221,754	0.3	0.4	0.5	221,823	221,269	220,964	217,421	(X)	(X)	2.0
Defense capital goods <sup>4</sup> .....	153,498	154,058	152,018	-0.4	1.3	3.3	152,654	154,609	150,030	145,603	(X)	(X)	4.8
Consumer goods.....	4,991	5,038	5,081	-0.9	-0.8	-3.1	4,916	4,938	4,865	4,931	(X)	(X)	-0.3
Consumer durable goods.....	4,991	5,038	5,081	-0.9	-0.8	-3.1	4,916	4,938	4,865	4,931	(X)	(X)	-0.3
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	681,689	680,834	676,738	0.1	0.6	0.1	685,260	681,230	680,217	654,124	(X)	(X)	4.8
Construction materials and supplies.....	73,428	73,325	72,682	0.1	0.9	0.5	72,549	73,037	72,613	67,098	(X)	(X)	8.1
Information technology.....	39,232	39,262	38,850	-0.1	1.1	0.3	39,506	38,939	39,665	38,020	(X)	(X)	3.9
Computers and related products.....	3,643	3,742	3,684	-2.6	1.6	0.5	3,682	3,711	3,820	3,786	(X)	(X)	-2.7
Motor vehicle and parts.....	36,582	36,470	36,565	0.3	-0.3	0.2	36,926	36,586	36,979	35,128	(X)	(X)	5.1
Capital goods.....	203,228	202,860	200,472	0.2	1.2	-0.6	203,838	202,055	202,212	195,810	(X)	(X)	4.1
Nondefense capital goods <sup>3</sup> .....	180,446	180,141	177,868	0.2	1.3	-0.5	181,105	179,462	179,680	173,135	(X)	(X)	4.6
Excluding aircraft.....	125,726	125,754	124,534	0.0	1.0	0.5	126,273	125,491	126,524	120,812	(X)	(X)	4.5
Defense capital goods <sup>4</sup> .....	22,782	22,719	22,604	0.3	0.5	-0.9	22,733	22,593	22,532	22,675	(X)	(X)	0.3
Consumer goods.....	203,211	203,046	202,787	0.1	0.1	0.3	207,805	204,942	203,540	198,184	(X)	(X)	4.9
Consumer durable goods.....	30,101	30,186	30,445	-0.3	-0.9	0.5	30,678	30,502	31,017	29,762	(X)	(X)	3.1
Consumer nondurable goods.....	173,110	172,860	172,342	0.1	0.3	0.3	177,127	174,440	172,523	168,422	(X)	(X)	5.2

<sup>x</sup> Not Applicable

<sup>p</sup> Preliminary

<sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> Topical series are regroupings of the separate industry categories.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> Estimates and percent changes exclude semiconductor industry data.

<sup>6</sup> 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, October Full Report, December 6, 2018. 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 Group<sup>1</sup>**

[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 October 2018/ 2017
	Monthly			Percent Change			Monthly				
	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>f</sup>	Aug. 2018	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2018 <sup>p</sup>	Sep. 2018 <sup>f</sup>	Aug. 2018	Oct. 2017	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	236,748	235,943	234,542	0.3	0.6	0.9	237,817	236,467	235,357	221,807	7.2
Durable goods industries.....	143,913	143,254	141,880	0.5	1.0	0.9	144,318	144,142	143,224	133,012	8.5
Wood products.....	5,127	5,102	5,089	0.5	0.3	0.4	5,183	5,135	5,132	4,943	4.9
Nonmetallic mineral products.....	5,943	5,945	5,939	0.0	0.1	-0.1	5,906	5,947	5,939	5,486	7.7
Primary metals.....	12,968	12,936	12,952	0.2	-0.1	1.0	13,233	13,199	13,162	12,138	9.0
Fabricated metal products.....	20,684	20,670	20,458	0.1	1.0	0.6	20,657	20,926	20,634	18,509	11.6
Machinery.....	28,241	27,976	27,512	0.9	1.7	2.5	28,344	28,209	27,860	25,126	12.8
Computers and electronic products.....	19,024	18,950	18,856	0.4	0.5	1.0	19,129	18,822	18,938	17,736	7.9
Electrical equipment, appliances, and components.....	8,281	8,179	8,005	1.2	2.2	0.9	8,264	8,049	8,108	7,189	15.0
Transportation equipment.....	31,961	31,696	31,206	0.8	1.6	0.0	31,911	32,034	31,409	30,422	4.9
Furniture and related products.....	3,810	3,890	3,894	-2.1	-0.1	-0.1	3,785	3,876	3,930	3,758	0.7
Miscellaneous products.....	7,874	7,910	7,969	-0.5	-0.7	1.7	7,906	7,945	8,112	7,705	2.6
Nondurable goods industries.....	92,835	92,689	92,662	0.2	0.0	0.9	93,499	92,325	92,133	88,795	5.3
Food products.....	17,592	17,935	17,835	-1.9	0.6	-0.4	18,430	17,804	17,612	19,050	-3.3
Beverage and tobacco products.....	5,954	5,949	5,842	0.1	1.8	1.0	6,051	5,854	5,586	5,979	1.2
Textiles.....	1,163	1,145	1,155	1.6	-0.9	0.2	1,152	1,142	1,168	1,065	8.2
Textile products.....	1,307	1,315	1,317	-0.6	-0.2	-0.2	1,300	1,327	1,321	1,279	1.6
Apparel.....	507	510	511	-0.6	-0.2	2.8	516	516	517	486	6.2
Leather and allied products.....	271	271	267	0.0	1.5	0.8	273	274	272	243	12.3
Paper products.....	8,136	8,199	8,218	-0.8	-0.2	0.1	8,080	8,245	8,227	7,794	3.7
Printing.....	2,835	2,849	2,812	-0.5	1.3	0.7	2,864	2,878	2,837	2,733	4.8
Petroleum and coal products.....	12,454	12,193	12,386	2.1	-1.6	1.3	12,632	12,281	12,106	10,763	17.4
Chemical products.....	31,076	30,891	31,003	0.6	-0.4	2.0	30,752	30,582	31,101	28,905	6.4
Plastics and rubber products.....	11,540	11,432	11,316	0.9	1.0	0.9	11,449	11,422	11,386	10,498	9.1
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	208,424	209,152	207,121	-0.3	1.0	-0.8	210,186	208,046	207,535	200,975	4.6
Durable goods industries.....	152,052	152,178	151,306	-0.1	0.6	-1.3	152,272	151,292	152,118	147,219	3.4
Wood products.....	2,274	2,272	2,272	0.1	-0.1	-0.4	2,241	2,241	2,229	2,011	11.4
Nonmetallic mineral products.....	1,579	1,546	1,553	2.1	-0.5	0.8	1,507	1,518	1,548	1,488	1.3
Primary metals.....	10,458	10,568	10,640	-1.0	-0.7	-0.3	10,414	10,633	10,883	9,557	9.0
Fabricated metal products.....	13,859	13,933	13,827	-0.5	0.8	0.4	13,901	14,014	13,924	13,081	6.3
Machinery.....	18,602	18,701	18,845	-0.5	-0.8	-0.8	18,875	18,730	19,274	18,380	2.7
Computers and electronic products.....	12,504	12,795	12,713	-2.3	0.6	-0.5	12,418	12,503	12,855	13,017	-4.6
Electrical equipment, appliances, and components.....	4,068	4,057	3,992	0.3	1.6	0.1	4,028	3,982	4,067	3,626	11.1
Transportation equipment.....	83,502	83,156	82,274	0.4	1.1	-2.2	83,636	82,476	82,082	81,183	3.0
Furniture and related products.....	1,407	1,390	1,414	1.2	-1.7	2.0	1,398	1,385	1,427	1,291	8.3
Miscellaneous products.....	3,799	3,760	3,773	1.0	-0.3	0.5	3,854	3,810	3,829	3,585	7.5
Nondurable goods industries.....	56,372	56,974	55,815	-1.1	2.1	0.5	57,914	56,754	55,417	53,756	7.7
Food products.....	5,805	6,194	6,153	-6.3	0.7	-0.2	6,802	5,699	5,508	7,821	-13.0
Beverage and tobacco products.....	9,402	9,359	9,416	0.5	-0.6	-0.5	9,829	9,337	8,824	9,391	4.7
Textiles.....	730	715	707	2.1	1.1	0.0	734	724	709	700	4.9
Textile products.....	427	436	432	-2.1	0.9	5.1	432	443	434	422	2.4
Apparel.....	343	342	341	0.3	0.3	1.5	344	354	364	304	13.2
Leather and allied products.....	84	82	81	2.4	1.2	2.5	82	82	84	72	13.9
Paper products.....	1,305	1,294	1,303	0.9	-0.7	0.4	1,297	1,298	1,326	1,256	3.3
Printing.....	1,149	1,147	1,104	0.2	3.9	0.2	1,248	1,211	1,170	1,197	4.3
Petroleum and coal products.....	13,679	14,185	13,676	-3.6	3.7	1.9	13,916	14,565	13,967	11,246	23.7
Chemical products.....	20,210	20,020	19,427	0.9	3.1	0.3	20,000	19,855	19,878	18,361	8.9
Plastics and rubber products.....	3,238	3,200	3,175	1.2	0.8	0.6	3,230	3,186	3,153	2,986	8.2
<b>FINISHED GOODS</b>											
All manufacturing industries.....	236,517	235,739	235,075	0.3	0.3	0.0	237,257	236,717	237,325	231,342	2.6
Durable goods industries.....	115,377	115,637	114,750	-0.2	0.8	0.0	115,304	115,086	115,579	113,657	1.4
Wood products.....	4,944	4,935	4,878	0.2	1.2	-0.3	4,782	4,739	4,752	4,740	0.9
Nonmetallic mineral products.....	7,278	7,212	7,051	0.9	2.3	0.5	6,997	7,087	6,945	6,480	8.0
Primary metals.....	12,190	12,032	12,077	1.3	-0.4	0.2	11,961	12,055	12,003	11,207	6.7
Fabricated metal products.....	19,652	19,609	19,492	0.2	0.6	1.0	19,415	19,337	19,401	18,085	7.4
Machinery.....	22,750	22,976	22,697	-1.0	1.2	0.6	22,474	22,838	22,685	23,148	-2.9
Computers and electronic products.....	11,557	11,760	11,499	-1.7	2.3	-1.6	11,783	11,814	11,968	12,221	-3.6
Electrical equipment, appliances, and components.....	6,878	6,922	6,882	-0.6	0.6	-0.4	6,887	6,906	7,082	6,888	0.0
Transportation equipment.....	15,633	15,705	15,870	-0.5	-1.0	0.1	16,264	15,748	16,225	16,070	1.2
Furniture and related products.....	2,643	2,664	2,616	-0.8	1.8	0.3	2,610	2,653	2,699	2,641	-1.2
Miscellaneous products.....	11,852	11,822	11,688	0.3	1.1	-0.9	12,131	11,909	11,819	12,177	-0.4
Nondurable goods industries.....	121,140	120,102	120,325	0.9	-0.2	0.0	121,953	121,631	121,746	117,685	3.6
Food products.....	30,154	29,932	30,000	0.7	-0.2	0.0	31,450	31,410	31,371	30,636	2.7
Beverage and tobacco products.....	9,203	9,164	9,222	0.4	-0.6	0.0	9,222	9,200	9,299	9,210	0.1
Textiles.....	1,451	1,404	1,392	3.3	0.9	0.7	1,451	1,395	1,391	1,370	5.9
Textile products.....	1,762	1,769	1,751	-0.4	1.0	0.5	1,761	1,765	1,754	1,665	5.8
Apparel.....	1,120	1,110	1,093	0.9	1.6	0.6	1,162	1,164	1,164	1,125	3.3
Leather and allied products.....	449	445	437	0.9	1.8	0.2	445	447	449	435	2.3
Paper products.....	6,553	6,525	6,555	0.4	-0.5	-0.4	6,455	6,558	6,571	6,500	-0.7
Printing.....	1,477	1,489	1,526	-0.8	-2.4	-0.5	1,520	1,488	1,526	1,650	-7.9
Petroleum and coal products.....	17,323	16,903	16,762	2.5	0.8	0.9	17,283	17,525	16,796	14,853	16.4
Chemical products.....	39,256	39,009	39,304	0.6	-0.8	-0.3	38,955	38,430	39,270	38,449	1.3
Plastics and rubber products.....	12,392	12,352	12,283	0.3	0.6	0.4	12,249	12,249	12,155	11,792	3.9

<sup>p</sup> Preliminary

<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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, October Full Report, December 6, 2018. 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](http://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 <sup>1</sup>**

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>2</sup>			
	Oct 2018 <sup>a</sup>	Sep 2018 <sup>b</sup>	Aug 2018	Jul 2018	Oct 2018 <sup>a</sup>	Sep 2018 <sup>b</sup>	Aug 2018	Jul 2018
All manufacturing industries <sup>3</sup> .....	1.34	1.34	1.34	1.35	(X)	(X)	(X)	(X)
Durable goods industries <sup>3</sup> .....	1.62	1.61	1.61	1.63	6.70	6.65	6.67	6.72
Wood products.....	1.33	1.31	1.29	1.29	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.35	1.35	1.32	1.32	(X)	(X)	(X)	(X)
Primary metals.....	1.65	1.63	1.64	1.64	1.46	1.46	1.45	1.44
Fabricated metal products.....	1.64	1.65	1.63	1.62	2.64	2.65	2.65	2.63
Machinery.....	2.12	2.13	2.10	2.07	3.59	3.59	3.53	3.53
Computers and electronic products <sup>4</sup> .....	1.58	1.60	1.59	1.59	5.37	5.43	5.36	5.35
Electrical equipment, appliances, and components.....	1.67	1.65	1.65	1.66	1.88	1.85	1.89	1.92
Transportation equipment.....	1.50	1.46	1.49	1.55	14.99	14.55	14.98	15.59
Furniture and related products.....	1.20	1.23	1.22	1.21	1.55	1.56	1.52	1.48
Miscellaneous products.....	1.70	1.70	1.71	1.70	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.07	1.07	1.07	1.07	(X)	(X)	(X)	(X)
Food products.....	0.80	0.81	0.80	0.80	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.93	1.90	1.89	1.93	(X)	(X)	(X)	(X)
Textiles.....	1.34	1.29	1.28	1.28	(X)	(X)	(X)	(X)
Textile products.....	1.46	1.50	1.52	1.51	(X)	(X)	(X)	(X)
Apparel.....	1.98	1.98	1.98	2.00	(X)	(X)	(X)	(X)
Leather and allied products.....	2.03	2.00	1.88	1.85	(X)	(X)	(X)	(X)
Paper products.....	0.99	0.98	0.99	1.00	(X)	(X)	(X)	(X)
Printing.....	0.82	0.84	0.83	0.81	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.74	0.74	0.76	0.75	(X)	(X)	(X)	(X)
Chemical products.....	1.37	1.36	1.36	1.37	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.38	1.36	1.35	1.34	(X)	(X)	(X)	(X)

<sup>a</sup> Not Applicable

<sup>b</sup> Preliminary

<sup>c</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>2</sup> 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.

<sup>3</sup> 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, October Full Report, December 6, 2018. 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.

**Table 8. Revisions to Previously Published Monthly Percent Changes <sup>1</sup>**

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Oct <sup>2</sup> 2018	Oct <sup>1</sup> 2017-2018	Oct <sup>2</sup> 2018	Oct <sup>1</sup> 2017-2018	Oct <sup>2</sup> 2018	Oct <sup>1</sup> 2017-2018	Oct <sup>2</sup> 2018	Oct <sup>1</sup> 2017-2018
	All manufacturing industries.....	(X)	0.10	(X)	0.30	(X)	0.10	(X)
Durable goods industries.....	0.10	0.20	0.10	0.40	0.10	0.10	0.10	0.10
Wood products.....	(X)	0.30	(X)	(NA)	(X)	(NA)	(X)	0.20
Nonmetallic mineral products.....	(X)	0.30	(X)	(NA)	(X)	(NA)	(X)	0.20
Primary metals.....	0.20	0.40	0.10	0.90	-0.10	0.30	0.20	0.40
Fabricated metal products.....	0.30	0.30	0.70	0.60	0.10	0.20	0.00	0.20
Machinery.....	0.30	0.20	0.10	0.80	0.00	0.20	0.20	0.10
Computers and electronic products.....	0.20	0.20	0.10	0.50	0.00	0.10	0.00	0.20
Electrical equipment, appliances, and components.....	-1.30	0.40	-1.20	0.70	0.40	0.30	0.40	0.30
Transportation equipment.....	0.10	0.30	0.20	0.80	0.10	0.10	0.00	0.10
Furniture and related products.....	(X)	0.40	(X)	0.90	(X)	0.80	(X)	0.40
Miscellaneous products.....	(X)	0.20	(X)	0.20	(X)	0.30	(X)	0.10
Nondurable goods industries.....	(X)	0.20	(X)	(NA)	(X)	(NA)	(X)	0.20
Food products.....	(X)	0.20	(X)	(NA)	(X)	(NA)	(X)	0.20
Beverage and tobacco products.....	(X)	0.30	(X)	(NA)	(X)	(NA)	(X)	0.20
Textiles.....	(X)	0.40	(X)	(NA)	(X)	(NA)	(X)	0.20
Textile products.....	(X)	0.50	(X)	(NA)	(X)	(NA)	(X)	0.20
Apparel.....	(X)	0.50	(X)	(NA)	(X)	(NA)	(X)	0.60
Leather and allied products.....	(X)	0.60	(X)	(NA)	(X)	(NA)	(X)	0.40
Paper products.....	(X)	0.30	(X)	(NA)	(X)	(NA)	(X)	0.20
Printing.....	(X)	0.40	(X)	(NA)	(X)	(NA)	(X)	0.40
Petroleum and coal products.....	(X)	0.50	(X)	(NA)	(X)	(NA)	(X)	0.90
Chemical products.....	(X)	0.30	(X)	(NA)	(X)	(NA)	(X)	0.20
Plastics and rubber products.....	(X)	0.30	(X)	(NA)	(X)	(NA)	(X)	0.20

X Not Applicable

NA Not Available

<sup>1</sup> 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.

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

<sup>3</sup> 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

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