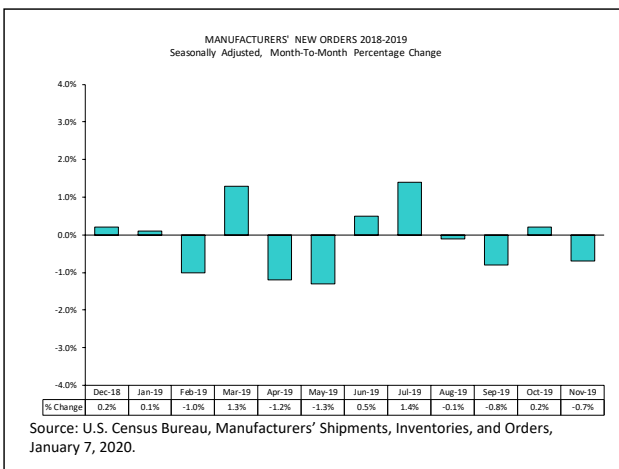


## MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS NOVEMBER 2019

Release Number: CB 20-04 M3-2 (19)-11

**January 7, 2020** — The U.S. Census Bureau announces the November full report on manufacturers' shipments, inventories and orders:

MANUFACTURED GOODS – NEW ORDERS		
NOVEMBER 2019	\$493.0 billion	-0.7%°
OCTOBER 2019 (revised)	\$496.6 billion	+0.2%°
Next release: February 4, 2020		
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, January 7, 2020.		



### Summary

New orders for manufactured goods in November, down three of the last four months, decreased \$3.6 billion or 0.7 percent to \$493.0 billion, the U.S. Census Bureau reported today. This followed a 0.2 percent October increase. Shipments, up two consecutive months, increased \$1.7 billion or 0.3 percent to \$502.2 billion. This followed a 0.1 percent October increase. Unfilled orders, down two of the last three months, decreased \$4.9 billion or 0.4 percent to \$1,158.7 billion. This followed a virtually unchanged October increase. The unfilled orders-to-shipments ratio was 6.67, down from 6.68 in October. Inventories, up eleven of the last twelve months, increased \$2.0 billion or 0.3 percent to \$701.0 billion. This followed a 0.2 percent October increase. The inventories-to-shipments ratio was 1.40, unchanged from October.

### New Orders

New orders for manufactured durable goods in November, down two of the last three months, decreased \$5.2 billion or 2.1 percent to \$242.2 billion, down from the previously published 2.0 percent decrease. This followed a 0.2 percent October increase. Transportation equipment, down three consecutive months, led the decrease, \$5.0 billion or 5.9 percent to \$79.0 billion. New orders for manufactured nondurable goods increased \$1.6 billion or 0.6 percent to \$250.8 billion.

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## Shipments

Shipments of manufactured durable goods in November, up following four consecutive monthly decreases, increased \$0.1 billion or virtually unchanged to \$251.4 billion, down from the previously published 0.1 percent increase. This followed a 0.1 percent October decrease. Electrical equipment, up two of the last three months, drove the increase, \$0.3 billion or 2.2 percent to \$11.8 billion. Shipments of manufactured nondurable goods, up two consecutive months, increased \$1.6 billion or 0.6 percent to \$250.8 billion. This followed a 0.3 percent October increase. Petroleum and coal products, up four of the last five months, led the increase, \$1.4 billion or 2.7 percent to \$53.5 billion.

## Unfilled Orders

Unfilled orders for manufactured durable goods in November, down two of the last three months, decreased \$4.9 billion or 0.4 percent to \$1,158.7 billion, unchanged from the previously published decrease. This followed a virtually unchanged October increase. Transportation equipment, down following four consecutive monthly increases, led the decrease, \$4.8 billion or 0.6 percent to \$790.1 billion.

## Inventories

Inventories of manufactured durable goods in November, up sixteen of the last seventeen months, increased \$1.6 billion or 0.4 percent to \$433.7 billion, unchanged from the previously published increase. This followed a 0.3 percent October increase. Transportation equipment, also up sixteen of the last seventeen months, drove the increase, \$1.8 billion or 1.2 percent to \$149.2 billion. Inventories of manufactured nondurable goods, up following seven consecutive monthly decreases, increased \$0.3 billion or 0.1 percent to \$267.3 billion. This followed a 0.1 percent October decrease. Petroleum and coal products, up two consecutive months, drove the increase, \$0.7 billion or 1.7 percent to \$39.6 billion. By stage of fabrication, November materials and supplies increased 0.1 percent in durable goods and 0.2 percent in nondurable goods. Work in process increased 0.7 percent in both durable and nondurable goods. Finished goods increased 0.3 percent in durable goods and decreased 0.2 percent in nondurable goods.

The Advance Report on durable goods for December is scheduled for release on January 28, 2020 at 8:30 a.m. EST and the Full Report on February 4, 2020 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 may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-month movements of all establishments that make up the category. The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 64 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census, and these companies include almost two-thirds of the manufacturing companies with \$500 million or more in shipments in the 2012 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 57 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month’s advance report. Any

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revisions made later than two months will be reflected in the annual benchmark publication. Additional survey documentation can be found on our web site:

<[www.census.gov/manufacturing/m3/how\\_the\\_data\\_are\\_collected/index.html](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.

## 2020 RELEASE DATES FOR THE M3 SURVEY

Survey month	Advance Report (8:30 a.m. release time)	Full Report (10:00 a.m. release time)
Nov-19	Mon 12/23/2019*	Tue 1/7/2020
Dec-19	Tue 1/28/2020	Tue 2/4/2020
Jan-20	Thu 2/27/2020	Thu 3/5/2020
Feb-20	Wed 3/25/2020	Thu 4/2/2020
Mar-20	Fri 4/24/2020	Mon 5/4/2020
Apr-20	Thu 5/28/2020	Wed 6/3/2020
May-20	Thu 6/25/2020	Thu 7/2/2020
Jun-20	Mon 7/27/2020	Tue 8/4/2020
Jul-20	Wed 8/26/2020	Wed 9/2/2020
Aug-20	Fri 9/25/2020	Fri 10/2/2020
Sep-20	Tue 10/27/2020	Tue 11/3/2020
Oct-20	Wed 11/25/2020	Fri 12/4/2020
Nov-20	Thu 12/24/2020	Not available at this time

\*Due to the executive order issued by President Trump closing the federal government on December 24, 2019, the U.S. Census Bureau released the Monthly Advance Report on Manufacturers' Shipments, Inventories and Orders on Monday, December 23, 2019 at 8:30 a.m. The original release date was scheduled for Tuesday, December 24 at 8:30 a.m.

Source: [https://www.whitehouse.gov/wp-content/uploads/2019/09/pfei\\_schedule\\_release\\_dates\\_2020.pdf](https://www.whitehouse.gov/wp-content/uploads/2019/09/pfei_schedule_release_dates_2020.pdf)

## RESOURCES

### API

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

<[www.census.gov/developers/](http://www.census.gov/developers/)>.

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## 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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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			
	Nov. 2019 <sup>a</sup>	Oct. 2019 <sup>c</sup>	Sep. 2019	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2019 <sup>a</sup>	Oct. 2019 <sup>c</sup>	Sep. 2019	Nov. 2018	2019 <sup>b</sup>	2018	% Change 2019/2018
All manufacturing industries.....	502,166	500,488	500,121	0.3	0.1	-0.4	486,035	518,466	514,074	495,901	5,541,808	5,509,494	0.6
Excluding transportation.....	418,346	416,743	416,110	0.4	0.2	-0.1	404,398	430,587	425,792	406,249	4,590,872	4,566,557	0.5
Excluding defense.....	487,500	485,723	485,306	0.4	0.1	-0.4	470,553	503,912	497,909	481,028	5,381,493	5,362,336	0.4
With unfilled orders.....	173,765	174,216	173,690	-0.3	0.3	-0.3	166,410	177,885	181,849	174,678	1,933,538	1,921,486	0.6
Durable goods industries.....	251,384	251,286	251,606	0.0	-0.1	-0.7	241,097	260,840	262,426	251,463	2,798,002	2,764,253	1.2
Wood products.....	9,413	9,270	9,179	1.5	1.0	-0.2	8,697	9,788	9,501	8,460	101,873	104,005	-2.0
Nonmetallic mineral products.....	11,194	11,277	11,459	-0.7	-1.6	0.1	10,662	12,567	11,981	10,710	125,714	121,541	3.4
Primary metals.....	19,943	20,042	20,240	-0.5	-1.0	0.3	18,419	20,486	20,213	20,543	227,599	236,060	-3.6
Iron and steel mills.....	9,832	9,845	10,016	-0.1	-1.7	-0.9	9,001	10,071	9,900	10,419	114,822	118,237	-2.9
Aluminum and nonferrous metals.....	8,645	8,715	8,753	-0.8	-0.4	1.8	8,109	8,925	8,808	8,810	96,221	102,477	-6.1
Ferrous metal foundries.....	1,466	1,482	1,471	-1.1	0.7	0.1	1,309	1,490	1,505	1,314	16,556	15,346	7.9
Fabricated metal products.....	34,060	33,809	33,861	0.7	-0.2	0.5	32,266	35,526	34,862	32,057	373,214	362,354	3.0
Machinery.....	32,530	33,014	32,737	-1.5	0.8	-1.6	29,904	33,432	32,939	30,940	363,057	358,410	1.3
Farm machinery.....	2,495	2,467	2,506	1.1	-1.6	-1.6	1,885	2,345	2,267	2,038	28,512	28,373	0.5
Construction machinery.....	2,655	2,821	2,903	-5.9	-2.8	-7.4	2,418	3,054	2,830	2,825	32,823	32,599	0.7
Mining, oil field, and gas field machinery.....	1,350	1,452	1,325	-7.0	9.6	-7.3	1,370	1,467	1,373	1,493	15,680	16,596	-5.5
Industrial machinery.....	3,199	3,029	3,007	5.6	0.7	0.8	2,918	3,024	3,465	2,335	30,899	28,706	7.6
Photographic equipment.....	586	549	564	6.7	-2.7	2.2	552	553	624	508	6,070	5,953	2.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,026	4,092	4,080	-1.6	0.3	-1.2	3,517	3,818	4,105	3,519	45,076	42,632	5.7
Metalworking machinery.....	2,518	2,530	2,567	-0.5	-1.4	-2.2	2,446	2,701	2,660	2,632	28,385	29,598	-4.1
Turbines, generators, and other power transmission equipment.....	4,188	4,523	4,431	-7.4	2.1	2.4	4,175	4,712	4,307	4,484	48,410	46,776	3.5
Material handling equipment.....	2,782	2,799	2,724	-0.6	2.8	-2.9	2,603	2,944	2,699	2,695	31,014	29,708	4.4
Computers and electronic products <sup>2</sup> .....	27,924	27,803	27,709	0.4	0.3	-0.3	27,901	27,714	30,908	27,927	302,045	291,904	3.5
Computers.....	542	543	537	-0.2	1.1	-7.1	515	524	661	759	6,524	8,612	-24.2
Computer storage devices.....	474	395	307	20.0	28.7	-11.3	438	315	407	281	3,679	2,984	23.3
Other peripheral equipment.....	889	815	810	9.1	0.6	2.4	803	750	1,006	702	8,476	7,996	6.0
Nondefense communications equipment.....	3,571	3,585	3,615	-0.4	-0.8	0.2	3,256	3,090	4,504	3,127	37,780	34,246	10.3
Defense communications equipment.....	247	238	260	3.8	-8.5	-0.4	267	254	290	369	3,038	3,227	-5.9
Audio and video equipment.....	261	305	298	-14.4	2.3	-3.9	336	407	273	403	3,260	2,680	21.6
Electronic components.....	3,763	3,629	3,637	3.7	-0.2	-1.5	3,541	3,594	3,788	3,345	39,839	38,180	4.3
Nondefense search and navigation equipment.....	1,539	1,549	1,478	-0.6	4.8	-5.7	1,487	1,512	1,665	1,529	17,005	16,668	2.0
Defense search and navigation equipment.....	2,946	2,881	2,865	2.3	0.6	1.4	3,118	2,834	3,167	2,975	31,005	29,979	3.4
Electromedical, measuring, and control instruments.....	8,938	9,162	9,110	-2.4	0.6	0.3	8,785	8,889	10,247	9,372	99,347	99,679	-0.3
Electrical equipment, appliances, and components.....	11,765	11,509	11,751	2.2	-2.1	0.6	11,327	11,948	12,576	11,163	128,449	124,616	3.1
Electric lighting equipment.....	1,038	1,056	1,063	-1.7	-0.7	1.3	1,038	1,124	1,086	1,036	11,531	11,560	-0.3
Household appliances.....	1,756	1,689	1,754	4.0	-3.7	-2.0	1,793	1,793	1,930	1,767	19,114	18,928	1.0
Electrical equipment.....	3,117	3,138	3,153	-0.7	-0.5	1.8	2,844	3,060	3,467	2,845	34,460	34,022	1.3
Batteries.....	915	883	941	3.6	-6.2	2.2	1,007	1,070	1,019	1,029	9,942	10,279	-3.3
Transportation equipment.....	83,820	83,745	84,011	0.1	-0.3	-1.8	81,637	87,879	88,282	89,652	950,936	942,937	0.8
Automobiles.....	8,136	8,083	8,173	0.7	-1.1	-4.1	8,148	8,788	8,305	9,548	95,773	101,262	-5.4
Light trucks and utility vehicles.....	20,871	20,532	21,247	1.7	-3.4	-3.8	20,035	22,641	22,346	21,166	235,008	219,823	6.9
Heavy duty trucks.....	2,813	2,825	2,881	-0.4	-1.9	-0.4	2,565	2,982	2,933	2,693	33,154	30,147	10.0
Motor vehicle bodies, parts, and trailers.....	27,688	27,400	27,741	1.1	-1.2	-1.5	26,353	29,325	27,995	26,995	311,477	300,701	3.6
Nondefense aircraft and parts.....	9,422	10,023	9,331	-6.0	7.4	1.8	9,323	9,143	10,789	14,845	115,718	143,575	-19.4
Defense aircraft and parts.....	4,165	4,358	4,225	-4.4	3.1	-3.1	4,252	4,304	4,815	4,758	48,661	49,068	-0.8
Ships and boats.....	2,806	2,835	2,692	-1.0	5.3	0.6	2,935	2,879	2,745	2,939	30,846	30,655	0.6
Furniture and related products.....	6,928	6,865	6,777	0.9	1.3	1.4	6,787	7,024	6,734	6,465	74,777	71,751	4.2
Miscellaneous durable goods.....	13,807	13,952	13,882	-1.0	0.5	0.3	13,497	14,476	14,430	13,546	150,338	150,675	-0.2
Nondurable goods industries.....	250,782	249,202	248,515	0.6	0.3	-0.1	244,938	257,626	251,648	244,438	2,743,806	2,745,241	-0.1
Food products.....	68,292	67,957	68,024	0.5	-0.1	-0.1	69,706	71,540	69,275	68,832	744,130	740,637	0.5
Grain and oilseed milling.....	7,076	7,184	7,371	-1.5	-2.5	-1.1	7,315	7,714	7,251	8,005	81,403	86,169	-5.5
Dairy products.....	9,573	9,577	9,473	0.0	1.1	-0.1	9,946	9,980	9,448	9,697	103,851	103,831	0.0
Meat, poultry, and seafood products.....	19,553	19,379	19,372	0.9	0.0	0.2	19,540	19,725	19,399	19,588	213,565	213,730	-0.1
Beverage and tobacco products.....	12,152	12,619	12,916	-3.7	-2.3	-2.0	12,020	12,657	13,249	12,579	138,824	138,563	0.2
Beverages.....	8,865	8,865	8,815	0.0	0.6	1.7	8,733	8,903	9,148	8,712	96,212	96,178	0.0
Tobacco.....	3,287	3,754	4,101	-12.4	-8.5	-8.9	3,287	3,754	4,101	3,867	42,612	42,385	0.5
Textile mills.....	2,412	2,434	2,432	-0.9	0.1	0.0	2,287	2,530	2,446	2,399	27,302	27,797	-1.8
Textile products.....	2,247	2,257	2,258	-0.4	0.0	-0.4	2,190	2,302	2,235	2,296	25,240	25,291	-0.2
Apparel.....	940	956	949	-1.7	0.7	0.3	1,057	1,113	992	1,118	10,540	10,709	-1.6
Leather and allied products.....	400	410	409	-2.4	0.2	0.0	376	421	388	394	4,584	4,543	0.9
Paper products.....	16,142	16,117	16,134	0.2	-0.1	-0.8	15,567	16,942	16,309	15,661	178,218	177,605	0.3
Pulp, paper, and paperboard mills.....	6,518	6,538	6,547	-0.3	-0.1	-0.3	6,276	6,778	6,689	6,358	71,684	72,588	-1.2
Paperboard containers.....	5,678	5,669	5,636	0.2	0.6	-1.8	5,435	6,098	5,690	5,452	62,940	61,756	1.9
Printing.....	6,939	6,955	6,917	-0.2	0.5	0.0	7,032	7,655	7,138	6,914	75,221	72,736	3.4
Petroleum and coal products.....	53,501	52,117	51,316	2.7	1.6	0.5	51,621	53,497	52,266	51,702	583,368	608,909	-4.2
Petroleum refineries.....	49,088	47,824	46,934	2.6	1.9	0.4	47,583	48,660	47,338	47,809	534,875	563,514	-5.1
Chemical products.....	67,812	67,615	67,413	0.3	0.3	0.0	64,428	68,336	67,456	63,659	736,995	718,859	2.5
Pesticides, fertilizers, and other agricultural chemicals.....	2,606	2,559	2,615	1.8	-2.1	2.2	2,073	2,052	2,502	2,211	29,032	29,574	-1.8
Pharmaceuticals and medicines.....	23,997	23,861	23,633	0.6	1.0	0.8	23,453	24,679	23,988	21,701	252,451	233,545	8.1
Paints, coatings, and adhesives.....	3,875	3,848	3,843	0.7	0.1	-0.9	3,333	3,966	3,745	3,415	43,190	42,544	1.5
Plastics and rubber products.....	19,945	19,765	19,747	0.9	0.1	-0.4	18,654	20,633	19,894	18,884	219,384	219,592	-0.1

<sup>2</sup> Preliminary<sup>1</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 &lt;http://www.census.gov/manufacturing/m3/&gt;.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, November Full Report, January 7, 2020. Information on data sources and methodology can be found on our website at &lt;www.census.gov/manufacturing/m3/how\_the\_data\_are\_collected/index.html&gt;.

**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		
	Nov. 2019 <sup>p</sup>	Oct. 2019 <sup>f</sup>	Sep. 2019	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2019 <sup>p</sup>	Oct. 2019 <sup>f</sup>	Sep. 2019	Nov. 2018	2019 <sup>p</sup>	2018	% Change 2019/ 2018
All manufacturing industries <sup>2</sup> .....	493,029	496,644	495,574	-0.7	0.2	-0.8	475,382	510,411	507,103	489,476	5,463,564	5,500,315	-0.7
Excluding transportation <sup>2</sup> .....	413,987	412,609	411,537	0.3	0.3	-0.3	398,379	424,530	419,329	400,740	4,544,310	4,539,384	0.1
Excluding defense <sup>2</sup> .....	482,118	478,963	478,368	0.7	0.1	-1.0	463,939	493,686	486,553	471,933	5,303,791	5,336,182	-0.6
With unfilled orders <sup>2</sup> .....	168,879	174,593	173,464	-3.3	0.7	-1.4	160,588	174,834	179,282	172,955	1,902,456	1,956,931	-2.8
Durable goods industries <sup>2</sup> .....	242,247	247,442	247,059	-2.1	0.2	-1.5	230,444	252,785	255,455	245,038	2,719,758	2,755,074	-1.3
Primary metals.....	20,014	20,129	20,483	-0.6	-1.7	-0.5	18,949	20,104	19,602	20,721	227,600	238,699	-4.6
Iron and steel mills.....	9,905	10,034	10,292	-1.3	-2.5	-1.4	9,337	9,673	9,494	10,398	114,691	119,774	-4.2
Aluminum and nonferrous metals.....	8,678	8,643	8,781	0.4	-1.6	1.8	8,335	8,978	8,716	8,979	96,498	103,341	-6.6
Ferrous metal foundries.....	1,431	1,452	1,410	-1.4	3.0	-7.2	1,277	1,453	1,392	1,344	16,411	15,584	5.3
Fabricated metal products.....	33,753	33,698	33,316	0.2	1.1	-2.3	31,462	34,449	33,467	31,909	374,146	368,786	1.5
Machinery.....	32,496	32,904	32,651	-1.2	0.8	-0.1	29,534	33,370	32,343	30,514	360,252	362,214	-0.5
Construction machinery.....	2,467	2,726	2,698	-9.5	1.0	-2.1	2,299	2,994	2,670	2,982	30,559	33,039	-7.5
Mining, oil field, and gas field machinery.....	1,352	1,433	1,305	-5.7	9.8	-7.0	1,372	1,448	1,353	1,479	15,112	16,479	-8.3
Industrial machinery.....	3,208	3,027	3,016	6.0	0.4	2.8	2,813	3,130	3,408	2,185	30,523	28,769	6.1
Photographic equipment.....	523	509	626	2.8	-18.7	16.8	475	588	743	504	5,732	5,648	1.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,020	4,083	4,087	-1.5	-0.1	-0.1	3,414	3,851	4,031	3,517	45,611	43,709	4.4
Metalworking machinery.....	2,477	2,492	2,545	-0.6	-2.1	1.3	2,417	2,698	2,523	2,434	27,663	29,386	-5.9
Turbines, generators, and other power transmission equipment.....	4,122	4,503	4,398	-8.5	2.4	2.2	4,109	4,692	4,274	4,328	48,218	46,099	4.6
Material handling equipment.....	2,871	2,915	2,742	-1.5	6.3	-0.8	2,589	2,844	2,644	2,599	30,887	31,012	-0.4
Computers and electronic products <sup>2</sup> .....	23,639	23,595	23,510	0.2	0.4	-0.5	22,504	22,858	27,227	23,187	255,419	250,841	1.8
Computers.....	579	573	578	1.0	-0.9	6.1	552	554	702	818	6,541	8,925	-26.7
Nondefense communications equipment.....	3,609	3,520	3,470	2.5	1.4	1.2	3,258	3,119	4,381	3,278	37,060	35,610	4.1
Defense communications equipment.....	205	185	240	10.8	-22.9	6.7	206	171	306	314	2,614	3,176	-17.7
Electronic components.....	3,934	3,833	3,818	2.6	0.4	0.7	3,642	3,805	3,930	3,341	40,280	38,964	3.4
Nondefense search and navigation equipment.....	1,557	1,577	1,630	-1.3	-3.3	-5.0	1,566	1,722	1,830	1,558	18,126	17,577	3.1
Defense search and navigation equipment.....	2,730	2,773	2,906	-1.6	-4.6	-0.8	2,498	2,595	3,452	2,852	31,528	29,834	5.7
Electromedical, measuring, and control instruments.....	8,898	9,139	8,982	-2.6	1.7	-1.0	8,681	8,879	10,444	9,277	98,925	100,066	-1.1
Electrical equipment, appliances, and components.....	11,900	11,669	11,841	2.0	-1.5	0.9	11,303	12,199	12,356	10,946	129,661	124,819	3.9
Electric lighting equipment.....	1,076	1,135	1,134	-5.2	0.1	1.6	1,068	1,214	1,137	1,034	12,070	11,613	3.9
Household appliances.....	1,806	1,725	1,760	4.7	-2.0	-3.1	1,802	1,859	1,962	1,702	19,303	19,073	1.2
Electrical equipment.....	3,117	3,046	3,103	2.3	-1.8	0.6	2,816	3,059	3,257	2,808	34,567	33,786	2.3
Transportation equipment.....	79,042	84,035	84,037	-5.9	0.0	-3.2	77,003	85,881	87,774	88,736	919,254	960,931	-4.3
Motor vehicle bodies, parts, and trailers.....	27,821	27,075	27,304	2.8	-0.8	-2.2	26,860	27,817	27,498	27,378	309,223	300,463	2.9
Nondefense aircraft and parts.....	7,839	8,016	7,340	-2.2	9.2	-19.0	7,300	6,573	6,646	10,721	88,994	143,466	-38.0
Defense aircraft and parts.....	1,924	7,110	6,197	-72.9	14.7	14.7	2,342	7,054	7,202	7,197	49,709	57,810	-14.0
Ships and boats.....	1,907	2,756	2,222	-30.8	24.0	-35.9	2,151	2,756	2,251	3,790	29,172	33,822	-13.7
Furniture and related products.....	6,998	6,931	6,676	1.0	3.8	-1.2	6,842	7,111	6,749	6,312	75,451	72,630	3.9
Nondurable goods industries.....	250,782	249,202	248,515	0.6	0.3	-0.1	244,938	257,626	251,648	244,438	2,743,806	2,745,241	-0.1

<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> 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, November Full Report, January 7, 2020. 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				
	Monthly			Percent Change			Monthly				% Change November 2019/ 2018
	Nov. 2019 <sup>b</sup>	Oct. 2019 <sup>f</sup>	Sep. 2019	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2019 <sup>b</sup>	Oct. 2019 <sup>f</sup>	Sep. 2019	Nov. 2018	
All manufacturing industries <sup>2</sup> .....	1,158,736	1,163,622	1,163,245	-0.4	0.0	0.0	1,148,552	1,154,374	1,157,425	1,171,857	-2.0
Excluding transportation <sup>2</sup> .....	368,609	368,717	368,630	0.0	0.0	-0.1	363,657	364,845	365,898	364,024	-0.1
Excluding defense <sup>2</sup> .....	958,336	959,467	962,006	-0.1	-0.3	-0.3	948,779	950,562	955,784	974,701	-2.7
Durable goods industries <sup>2</sup> .....	1,158,736	1,163,622	1,163,245	-0.4	0.0	0.0	1,148,552	1,154,374	1,157,425	1,171,857	-2.0
Primary metals.....	32,113	32,042	31,955	0.2	0.3	0.8	31,104	30,574	30,956	30,517	1.9
Iron and steel mills.....	17,007	16,934	16,745	0.4	1.1	1.7	16,138	15,802	16,200	15,755	2.4
Aluminum and nonferrous metals.....	11,742	11,709	11,781	0.3	-0.6	0.2	11,673	11,447	11,394	11,370	2.7
Ferrous metal foundries.....	3,364	3,399	3,429	-1.0	-0.9	-1.7	3,293	3,325	3,362	3,392	-2.9
Fabricated metal products.....	86,059	86,366	86,477	-0.4	-0.1	-0.6	84,496	85,300	86,377	83,806	0.8
Machinery.....	102,058	102,092	102,202	0.0	-0.1	-0.1	100,995	101,365	101,427	105,141	-3.9
Construction machinery.....	4,231	4,419	4,514	-4.3	-2.1	-4.3	4,097	4,216	4,276	6,438	-36.4
Mining, oil field, and gas field machinery.....	3,638	3,636	3,655	0.1	-0.5	-0.5	3,638	3,636	3,655	4,422	-17.7
Industrial machinery.....	7,812	7,803	7,805	0.1	0.0	0.1	7,730	7,835	7,729	8,529	-9.4
Photographic equipment.....	1,222	1,285	1,325	-4.9	-3.0	4.9	1,252	1,329	1,294	1,525	-17.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,976	7,982	7,991	-0.1	-0.1	0.1	7,644	7,747	7,714	7,188	6.3
Metalworking machinery.....	6,681	6,722	6,760	-0.6	-0.6	-0.3	6,616	6,645	6,648	7,553	-12.4
Turbines, generators, and other power transmission equipment.....	28,561	28,627	28,647	-0.2	-0.1	-0.1	28,561	28,627	28,647	29,143	-2.0
Material handling equipment.....	13,245	13,156	13,040	0.7	0.9	0.1	12,942	12,956	13,056	12,729	1.7
Computers and electronic products <sup>2</sup> .....	118,566	118,600	118,587	0.0	0.0	0.1	117,579	118,145	117,997	116,031	1.3
Computers.....	2,212	2,175	2,145	1.7	1.4	1.9	2,212	2,175	2,145	2,191	1.0
Nondefense communications equipment.....	24,179	24,141	24,206	0.2	-0.3	-0.6	24,038	24,036	24,007	24,993	-3.8
Defense communications equipment.....	921	963	1,016	-4.4	-5.2	-1.9	911	972	1,055	1,379	-33.9
Electronic components.....	13,449	13,278	13,074	1.3	1.6	1.4	13,237	13,136	12,925	12,606	5.0
Nondefense search and navigation equipment.....	20,777	20,759	20,731	0.1	0.1	0.7	20,982	20,903	20,693	19,982	5.0
Defense search and navigation equipment.....	29,148	29,364	29,472	-0.7	-0.4	0.1	28,589	29,209	29,448	27,060	5.7
Electromedical, measuring, and control instruments.....	27,880	27,920	27,943	-0.1	-0.1	-0.5	27,610	27,714	27,724	27,820	-0.8
Electrical equipment, appliances, and components.....	20,476	20,341	20,181	0.7	0.8	0.4	20,167	20,191	19,940	19,235	4.8
Electric lighting equipment.....	1,880	1,842	1,763	2.1	4.5	4.2	1,890	1,860	1,770	1,398	35.2
Household appliances.....	1,377	1,327	1,291	3.8	2.8	0.5	1,404	1,395	1,329	1,329	5.6
Electrical equipment.....	7,875	7,875	7,967	0.0	-1.2	-0.6	7,761	7,789	7,790	7,599	2.1
Transportation equipment.....	790,127	794,905	794,615	-0.6	0.0	0.0	784,895	789,529	791,527	807,833	-2.8
Motor vehicle bodies, parts, and trailers.....	25,898	25,765	26,090	0.5	-1.2	-1.6	24,938	24,431	25,939	26,269	-5.1
Nondefense aircraft and parts.....	575,656	577,239	579,246	-0.3	-0.3	-0.3	571,464	573,487	576,057	593,001	-3.6
Defense aircraft and parts.....	83,375	85,616	82,864	-2.6	3.3	2.4	83,237	85,147	82,397	81,236	2.5
Ships and boats.....	27,973	28,872	28,951	-3.1	-0.3	-1.6	27,830	28,614	28,737	30,221	-7.9
Furniture and related products.....	8,764	8,694	8,628	0.8	0.8	-1.2	8,743	8,688	8,601	8,758	-0.2

<sup>b</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> 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, November Full Report, January 7, 2020. 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 November 2019/ 2018
	Nov. 2019 <sup>p</sup>	Oct. 2019 <sup>r</sup>	Sep. 2019	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2019 <sup>p</sup>	Oct. 2019 <sup>r</sup>	Sep. 2019	Nov. 2018	
All manufacturing industries.....	700,989	699,024	697,912	0.3	0.2	0.3	700,211	701,680	698,215	682,239	2.6
Excluding transportation.....	551,750	551,538	552,364	0.0	-0.1	0.0	550,473	553,003	552,273	550,381	0.0
Excluding defense.....	672,213	670,286	669,568	0.3	0.1	0.3	671,456	672,982	669,896	655,085	2.5
With unfilled orders.....	354,407	352,943	351,382	0.4	0.4	0.6	354,363	353,508	351,496	337,394	5.0
Durable goods industries.....	433,734	432,095	430,595	0.4	0.3	0.5	433,535	432,450	430,331	414,315	4.6
Wood products.....	12,025	12,067	12,094	-0.3	-0.2	-0.3	12,030	11,978	11,865	12,403	-3.0
Nonmetallic mineral products.....	15,083	15,112	15,077	-0.2	0.2	0.2	14,678	14,736	14,886	14,465	1.5
Primary metals.....	34,947	34,798	34,910	0.4	-0.3	-0.2	34,759	34,509	34,987	36,062	-3.6
Iron and steel mills.....	18,791	18,809	18,919	-0.1	-0.6	-1.1	18,725	18,697	19,023	20,598	-9.1
Aluminum and nonferrous metals.....	13,984	13,848	13,857	1.0	-0.1	1.1	13,866	13,687	13,891	13,386	3.6
Ferrous metal foundries.....	2,172	2,141	2,134	1.4	0.3	0.0	2,168	2,125	2,073	2,078	4.3
Fabricated metal products.....	54,043	54,246	54,370	-0.4	-0.2	0.1	53,530	53,926	54,320	54,136	-1.1
Machinery.....	71,641	71,952	72,225	-0.4	-0.4	0.0	72,120	72,000	72,355	70,936	1.7
Farm machinery.....	4,133	4,266	4,285	-3.1	-0.4	2.3	4,148	4,043	4,064	3,849	7.8
Construction machinery.....	5,652	5,826	5,895	-3.0	-1.2	-1.4	5,635	5,856	5,943	5,581	1.0
Mining, oil field, and gas field machinery.....	5,283	5,379	5,454	-1.8	-1.4	0.1	5,284	5,391	5,404	5,509	-4.1
Industrial machinery.....	8,589	8,524	8,495	0.8	0.3	0.1	8,665	8,437	8,809	8,341	3.9
Photographic equipment.....	1,774	1,783	1,767	-0.5	0.9	1.1	1,800	1,804	1,764	1,723	4.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,498	5,480	5,495	0.3	-0.3	-0.8	5,323	5,368	5,331	5,082	4.7
Metalworking machinery.....	6,243	6,176	6,144	1.1	0.5	-0.2	6,309	6,246	6,239	6,070	3.9
Turbines, generators, and other power transmission equipment.....	9,471	9,505	9,543	-0.4	-0.4	-0.4	9,705	9,621	9,492	10,154	-4.4
Material handling equipment.....	5,919	5,870	5,905	0.8	-0.6	-0.5	6,008	6,064	6,087	6,145	-2.2
Computers and electronic products <sup>2</sup> .....	43,749	43,489	43,559	0.6	-0.2	0.4	43,861	43,595	43,395	43,492	0.8
Computers.....	1,622	1,591	1,618	1.9	-1.7	1.6	1,596	1,544	1,686	1,463	9.1
Computer storage devices.....	1,119	1,122	1,159	-0.3	-3.2	0.3	1,172	1,151	1,115	1,125	4.2
Other peripheral equipment.....	1,125	1,123	1,102	0.2	1.9	1.7	1,170	1,109	1,073	1,216	-3.8
Nondefense communications equipment.....	4,770	4,837	4,874	-1.4	-0.8	0.2	4,890	4,903	4,782	4,932	-0.9
Defense communications equipment.....	705	709	700	-0.6	1.3	-3.2	705	709	700	649	8.6
Audio and video equipment.....	613	605	650	1.3	-6.9	-1.1	623	656	710	603	3.3
Electronic components.....	7,440	7,316	7,256	1.7	0.8	0.3	7,285	7,240	7,257	7,076	3.0
Nondefense search and navigation equipment.....	2,804	2,784	2,752	0.7	1.2	1.3	2,780	2,832	2,760	2,568	8.3
Defense search and navigation equipment.....	2,517	2,525	2,538	-0.3	-0.5	-0.4	2,477	2,507	2,469	2,566	-3.5
Electromedical, measuring and control instruments.....	15,685	15,673	15,682	0.1	-0.1	0.6	15,821	15,758	15,565	15,586	1.5
Electrical equipment, appliances, and components.....	20,370	20,414	20,271	-0.2	0.7	-0.1	20,012	20,293	19,956	19,152	4.5
Electric lighting equipment.....	2,270	2,270	2,276	0.0	-0.3	0.0	2,235	2,257	2,271	2,214	0.9
Household appliances.....	2,930	2,934	2,898	-0.1	1.2	-0.5	2,814	2,947	2,863	2,715	3.6
Electrical equipment.....	5,775	5,756	5,724	0.3	0.6	-0.2	5,749	5,683	5,411	5,445	5.6
Batteries.....	1,797	1,859	1,828	-3.3	1.7	-3.6	1,682	1,841	1,894	1,694	-0.7
Transportation equipment.....	149,239	147,486	145,548	1.2	1.3	1.6	149,738	148,677	145,942	131,858	13.6
Automobiles.....	4,845	5,043	5,103	-3.9	-1.2	2.5	4,783	5,172	5,272	4,248	12.6
Light trucks and utility vehicles.....	5,354	5,027	4,977	6.5	1.0	-1.7	5,553	5,266	5,043	4,726	17.5
Heavy duty trucks.....	2,235	2,242	2,230	-0.3	0.5	1.4	2,156	2,188	2,148	2,184	-1.3
Motor vehicle bodies, parts, and trailers.....	26,658	26,669	26,697	0.0	-0.1	0.5	26,555	26,671	26,671	25,803	2.9
Nondefense aircraft and parts.....	79,873	78,348	76,819	1.9	2.0	2.2	80,347	79,117	76,974	66,875	20.1
Defense aircraft and parts.....	13,428	13,528	13,502	-0.7	0.2	0.7	13,523	13,571	13,487	13,273	1.9
Ships and boats.....	3,453	3,474	3,331	-0.6	4.3	0.8	3,396	3,419	3,395	2,900	17.1
Furniture and related products.....	8,004	8,043	8,017	-0.5	0.3	-0.4	7,980	7,968	7,951	7,939	0.5
Miscellaneous durable goods.....	24,633	24,488	24,524	0.6	-0.1	0.1	24,827	24,768	24,674	23,872	4.0
Nondurable goods industries.....	267,255	266,929	267,317	0.1	-0.1	0.0	266,676	269,230	267,884	267,924	-0.5
Food products.....	53,996	54,025	54,377	-0.1	-0.6	0.1	55,597	56,833	55,289	55,272	0.6
Grain and oilseed milling.....	5,288	5,268	5,372	0.4	-1.9	-0.5	5,493	5,522	5,235	5,176	6.1
Dairy products.....	7,966	7,874	7,861	1.2	0.2	0.5	7,635	7,769	7,920	7,292	4.7
Meat, poultry, and seafood products.....	9,599	9,621	9,604	-0.2	0.2	0.5	9,731	9,812	9,698	9,204	5.7
Beverage and tobacco products.....	25,051	24,980	24,951	0.3	0.1	-0.7	25,287	25,530	24,815	24,812	1.9
Beverages.....	20,634	20,547	20,530	0.4	0.1	-0.8	20,670	20,987	20,559	20,079	2.9
Tobacco.....	4,417	4,433	4,421	-0.4	0.3	-0.5	4,617	4,543	4,256	4,733	-2.5
Textile mills.....	3,302	3,298	3,334	0.1	-1.1	-0.9	3,276	3,290	3,330	3,336	-1.8
Textile products.....	3,469	3,484	3,505	-0.4	-0.6	0.5	3,445	3,473	3,522	3,512	-1.9
Apparel.....	1,937	1,932	1,919	0.3	0.7	0.0	1,867	1,981	1,987	1,887	-1.1
Leather and allied products.....	781	782	778	-0.1	0.5	0.4	783	777	781	806	-2.9
Paper products.....	16,226	16,250	16,259	-0.1	-0.1	-0.5	16,025	15,979	16,284	15,897	0.8
Pulp, paper, and paperboard mills.....	6,783	6,808	6,822	-0.4	-0.2	-0.3	6,696	6,646	6,761	6,508	2.9
Paperboard containers.....	5,045	5,037	5,037	0.2	0.0	-0.8	4,964	4,966	5,078	4,937	0.5
Printing.....	5,534	5,537	5,548	-0.1	-0.2	0.4	5,564	5,678	5,615	5,587	-0.4
Petroleum and coal products.....	39,606	38,927	38,650	1.7	0.7	-0.7	38,762	38,988	39,405	39,417	-1.7
Petroleum refineries.....	33,941	33,198	32,918	2.2	0.9	-0.7	33,259	33,403	33,733	33,672	-1.2
Chemical products.....	90,535	90,921	91,137	-0.4	-0.2	0.5	89,562	90,171	90,082	90,392	-0.9
Pesticides, fertilizers, and other agricultural chemicals.....	5,079	5,087	5,128	-0.2	-0.8	0.3	4,976	4,777	4,745	4,505	10.5
Pharmaceuticals and medicines.....	37,160	37,296	37,753	-0.4	-1.2	1.4	36,837	37,223	37,337	37,251	-1.1
Paints, coatings, and adhesives.....	3,870	3,855	3,867	0.4	-0.3	0.0	3,745	3,746	3,801	3,816	-1.9
Plastics and rubber products.....	26,818	26,793	26,859	0.1	-0.2	-0.3	26,508	26,530	26,774	27,006	-1.8

<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> 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, November Full Report, January 7, 2020. 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						
	Monthly			Percent Change			Monthly			Year to date		% Change <sup>6</sup> 2019/ 2018	
	Nov. 2019 <sup>p</sup>	Oct. 2019 <sup>f</sup>	Sep. 2019	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2019 <sup>p</sup>	Oct. 2019 <sup>f</sup>	Sep. 2019	Nov. 2018	2019 <sup>p</sup>		2018
<b>SHIPMENTS</b>													
All manufacturing industries.....	502,166	500,488	500,121	0.3	0.1	-0.4	486,035	518,466	514,074	495,901	5,541,808	5,509,494	0.6
Construction materials and supplies.....	52,430	52,303	52,425	0.2	-0.2	0.0	48,837	55,981	54,051	48,893	580,398	570,025	1.8
Information technology.....	25,435	25,245	25,155	0.8	0.4	-0.2	24,726	24,570	28,414	24,874	274,516	264,880	3.6
Computers and related products.....	1,905	1,753	1,654	8.7	6.0	-3.6	1,756	1,589	2,074	1,742	18,679	19,592	-4.7
Motor vehicle and parts.....	59,508	58,840	60,042	1.1	-2.0	-2.6	57,101	63,736	61,579	60,402	675,412	651,933	3.6
Capital goods.....	87,162	87,896	86,938	-0.8	1.1	0.0	84,137	87,382	93,489	89,642	965,718	966,789	-0.1
Nondefense capital goods <sup>3</sup> .....	74,374	75,045	74,092	-0.9	1.3	-0.3	70,492	74,670	79,592	76,718	826,899	841,001	-1.7
Excluding aircraft.....	69,050	69,285	68,786	-0.3	0.7	-0.8	65,206	69,691	72,845	66,215	757,825	742,968	2.0
Defense capital goods <sup>4</sup> .....	12,788	12,851	12,846	-0.5	0.0	1.6	13,645	12,712	13,897	12,924	138,819	125,788	10.4
Consumer goods.....	212,547	210,862	210,848	0.8	0.0	-0.6	210,244	220,244	214,754	210,872	2,329,435	2,324,193	0.2
Consumer durable goods.....	42,949	42,555	43,241	0.9	-1.6	-2.8	41,847	45,954	44,729	44,166	482,169	471,009	2.4
Consumer nondurable goods.....	169,598	168,307	167,607	0.8	0.4	0.0	168,397	174,290	170,025	166,706	1,847,266	1,853,184	-0.3
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	493,029	496,644	495,574	-0.7	0.2	-0.8	475,382	510,411	507,103	489,476	5,463,564	5,500,315	-0.7
Construction materials and supplies.....	52,034	51,838	52,050	0.4	-0.4	-1.1	48,036	54,807	53,045	48,886	580,561	575,503	0.9
Information technology.....	25,214	25,151	25,221	0.3	-0.3	0.2	23,947	24,638	29,021	24,723	274,650	267,593	2.6
Computers and related products.....	1,942	1,783	1,695	8.9	5.2	0.8	1,793	1,619	2,115	1,801	18,696	19,905	-6.1
Motor vehicle and parts.....	59,641	58,515	59,605	1.9	-1.8	-2.9	57,608	62,228	61,082	60,785	673,158	651,695	3.3
Capital goods.....	81,231	88,043	84,952	-7.7	3.6	-2.8	76,229	86,985	89,713	87,418	934,050	978,745	-4.6
Nondefense capital goods <sup>3</sup> .....	71,191	72,456	71,028	-1.7	2.0	-3.5	65,848	72,661	72,894	72,659	795,995	844,517	-5.7
Excluding aircraft.....	69,331	69,215	68,533	0.2	1.0	-0.5	64,843	69,870	72,131	65,658	754,886	749,867	0.7
Defense capital goods <sup>4</sup> .....	10,040	15,587	13,924	-35.6	11.9	0.8	10,381	14,324	16,819	14,759	138,055	134,228	2.9
Consumer goods.....	212,644	210,916	210,840	0.8	0.0	-0.6	210,424	220,318	214,872	210,815	2,330,076	2,324,259	0.3
Consumer durable goods.....	43,046	42,609	43,233	1.0	-1.4	-3.0	42,027	46,028	44,847	44,109	482,810	471,075	2.5
Consumer nondurable goods.....	169,598	168,307	167,607	0.8	0.4	0.0	168,397	174,290	170,025	166,706	1,847,266	1,853,184	-0.3
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	1,158,736	1,163,622	1,163,245	-0.4	0.0	0.0	1,148,552	1,154,374	1,157,425	1,171,857	(X)	(X)	-2.0
Construction materials and supplies.....	59,299	59,695	60,160	-0.7	-0.8	-0.6	57,968	58,769	59,943	58,049	(X)	(X)	-0.1
Information technology.....	115,683	115,904	115,998	-0.2	-0.1	0.1	114,706	115,485	115,417	113,859	(X)	(X)	0.7
Computers and related products.....	2,212	2,175	2,145	1.7	1.4	1.9	2,212	2,175	2,145	2,191	(X)	(X)	1.0
Motor vehicle and parts.....	25,898	25,765	26,090	0.5	-1.2	-1.6	24,938	24,431	25,939	26,269	(X)	(X)	-5.1
Capital goods.....	842,340	848,271	848,124	-0.7	0.0	-0.2	835,529	843,437	843,834	861,049	(X)	(X)	-3.0
Nondefense capital goods <sup>3</sup> .....	684,172	687,355	689,944	-0.5	-0.4	-0.4	678,516	683,160	685,169	706,328	(X)	(X)	-3.9
Excluding aircraft.....	218,094	217,813	217,883	0.1	0.0	-0.1	216,406	216,769	216,590	221,389	(X)	(X)	-2.3
Defense capital goods <sup>4</sup> .....	158,168	160,916	158,180	-1.7	1.7	0.7	157,013	160,277	158,665	154,721	(X)	(X)	1.5
Consumer goods.....	5,021	4,924	4,870	2.0	1.1	-0.2	5,127	4,947	4,873	4,877	(X)	(X)	5.1
Consumer durable goods.....	5,021	4,924	4,870	2.0	1.1	-0.2	5,127	4,947	4,873	4,877	(X)	(X)	5.1
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	700,989	699,024	697,912	0.3	0.2	0.3	700,211	701,680	698,215	682,239	(X)	(X)	2.6
Construction materials and supplies.....	72,867	73,010	73,110	-0.2	-0.1	-0.2	71,691	72,044	72,585	72,780	(X)	(X)	-1.5
Information technology.....	40,567	40,583	40,626	0.0	-0.1	0.6	40,817	40,778	40,382	39,772	(X)	(X)	2.6
Computers and related products.....	3,866	3,836	3,879	0.8	-1.1	1.2	3,938	3,804	3,874	3,804	(X)	(X)	3.5
Motor vehicle and parts.....	39,092	38,981	39,007	0.3	-0.1	0.5	39,047	39,297	39,134	36,961	(X)	(X)	5.6
Capital goods.....	221,093	219,990	218,351	0.5	0.8	0.9	222,213	220,985	218,174	205,496	(X)	(X)	8.1
Nondefense capital goods <sup>3</sup> .....	196,756	195,701	194,441	0.5	0.6	0.9	197,992	196,779	194,274	182,725	(X)	(X)	8.4
Excluding aircraft.....	129,501	129,814	130,110	-0.2	-0.2	0.2	130,214	130,214	129,927	127,846	(X)	(X)	2.0
Defense capital goods <sup>4</sup> .....	24,337	24,289	23,910	0.2	1.6	0.8	24,221	24,206	23,900	22,771	(X)	(X)	6.4
Consumer goods.....	202,975	202,232	202,736	0.4	-0.2	0.1	203,790	206,142	204,310	202,194	(X)	(X)	0.8
Consumer durable goods.....	32,516	32,318	32,314	0.6	0.0	0.1	32,665	32,834	32,572	30,810	(X)	(X)	6.0
Consumer nondurable goods.....	170,459	169,914	170,422	0.3	-0.3	0.1	171,125	173,308	171,738	171,384	(X)	(X)	-0.2

<sup>x</sup> Not Applicable

<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> 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, November Full Report, January 7, 2020. 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 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				
	Monthly			Percent Change			Monthly				% Change November 2019/ 2018
	Nov. 2019 <sup>p</sup>	Oct. 2019 <sup>f</sup>	Sep. 2019	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2019 <sup>p</sup>	Oct. 2019 <sup>f</sup>	Sep. 2019	Nov. 2018	
<b><u>MATERIALS AND SUPPLIES</u></b>											
All manufacturing industries.....	237,480	237,240	237,043	0.1	0.1	-0.1	236,590	238,004	237,609	237,052	-0.2
Durable goods industries.....	145,982	145,897	145,685	0.1	0.1	0.2	145,863	146,374	146,451	145,182	0.5
Wood products.....	5,216	5,209	5,213	0.1	-0.1	0.7	5,326	5,306	5,233	5,301	0.5
Nonmetallic mineral products.....	6,120	6,176	6,186	-0.9	-0.2	-0.4	6,059	6,143	6,177	5,928	2.2
Primary metals.....	12,506	12,635	12,408	-1.0	1.8	-1.1	12,626	12,758	12,525	13,243	-4.7
Fabricated metal products.....	20,100	20,187	20,291	-0.4	-0.5	-0.2	19,909	20,215	20,540	20,655	-3.6
Machinery.....	29,025	29,062	29,215	-0.1	-0.5	-0.2	28,949	29,187	29,382	28,603	1.2
Computers and electronic products.....	19,780	19,443	19,411	1.7	0.2	0.3	19,824	19,527	19,354	19,157	3.5
Electrical equipment, appliances, and components.....	8,482	8,466	8,499	0.2	-0.4	-0.3	8,374	8,453	8,379	8,178	2.4
Transportation equipment.....	32,856	32,835	32,581	0.1	0.8	1.2	32,916	32,932	32,961	32,250	2.1
Furniture and related products.....	3,756	3,774	3,800	-0.5	-0.7	-0.6	3,717	3,741	3,770	3,892	-4.5
Miscellaneous products.....	8,141	8,110	8,081	0.4	0.4	0.9	8,163	8,112	8,130	7,975	2.4
Nondurable goods industries.....	91,498	91,343	91,358	0.2	0.0	-0.6	90,727	91,630	91,158	91,870	-1.2
Food products.....	18,307	18,283	18,374	0.1	-0.5	0.4	18,537	19,051	18,428	17,992	3.0
Beverage and tobacco products.....	5,805	5,885	5,901	-1.4	-0.3	-0.6	5,949	6,019	5,788	6,131	-3.0
Textiles.....	1,121	1,123	1,127	-0.2	-0.4	-0.9	1,110	1,108	1,117	1,171	-5.2
Textile products.....	1,342	1,350	1,353	-0.6	-0.2	-0.1	1,329	1,334	1,357	1,318	0.8
Apparel.....	453	458	461	-1.1	-0.7	-2.5	443	461	461	504	-12.1
Leather and allied products.....	269	268	272	0.4	-1.5	-1.8	266	267	274	274	-2.9
Paper products.....	8,081	8,017	8,024	0.8	-0.1	-0.8	7,993	7,916	8,065	8,031	-0.5
Printing.....	2,757	2,770	2,784	-0.5	-0.5	-0.5	2,779	2,803	2,807	2,900	-4.2
Petroleum and coal products.....	10,188	10,070	10,179	1.2	-1.1	-3.2	9,823	9,995	10,254	11,333	-13.3
Chemical products.....	31,910	31,878	31,621	0.1	0.8	-0.2	31,382	31,492	31,279	30,758	2.0
Plastics and rubber products.....	11,265	11,241	11,262	0.2	-0.2	-0.7	11,116	11,184	11,328	11,458	-3.0
<b><u>WORK IN PROCESS</u></b>											
All manufacturing industries.....	219,930	218,371	217,544	0.7	0.4	1.0	220,059	219,639	216,490	208,164	5.7
Durable goods industries.....	166,613	165,432	164,115	0.7	0.8	1.3	166,450	165,565	163,706	152,363	9.2
Wood products.....	2,157	2,147	2,135	0.5	0.6	-4.0	2,128	2,119	2,105	2,227	-4.4
Nonmetallic mineral products.....	1,580	1,565	1,568	1.0	-0.2	0.5	1,502	1,494	1,537	1,518	-1.1
Primary metals.....	9,740	10,000	10,125	-2.6	-1.2	0.5	9,671	9,960	10,143	10,696	-9.6
Fabricated metal products.....	14,137	14,169	14,050	-0.2	0.8	1.9	14,119	14,157	14,059	13,915	1.5
Machinery.....	18,494	18,552	18,774	-0.3	-1.2	0.6	18,903	18,672	18,881	18,751	0.8
Computers and electronic products.....	12,114	12,026	12,045	0.7	-0.2	0.0	11,938	11,832	11,841	12,399	-3.7
Electrical equipment, appliances, and components.....	4,327	4,306	4,288	0.5	0.4	0.3	4,250	4,240	4,200	4,078	4.2
Transportation equipment.....	98,781	97,381	95,870	1.4	1.6	1.9	98,643	97,787	95,680	83,581	18.0
Furniture and related products.....	1,394	1,395	1,382	-0.1	0.9	2.1	1,382	1,357	1,368	1,355	2.0
Miscellaneous products.....	3,889	3,891	3,878	-0.1	0.3	-1.6	3,914	3,947	3,892	3,843	1.8
Nondurable goods industries.....	53,317	52,939	53,429	0.7	-0.9	0.3	53,609	54,074	52,784	55,801	-3.9
Food products.....	4,938	4,968	5,758	-0.6	-13.7	-0.8	5,790	5,845	5,203	6,807	-14.9
Beverage and tobacco products.....	9,704	9,603	9,658	1.1	-0.6	-1.5	9,895	9,921	9,642	9,657	2.5
Textiles.....	710	704	717	0.9	-1.8	-0.7	707	706	725	723	-2.2
Textile products.....	421	421	422	0.0	-0.2	0.5	422	426	430	425	-0.7
Apparel.....	343	341	331	0.6	3.0	1.2	332	343	342	324	2.5
Leather and allied products.....	78	82	80	-4.9	2.5	-1.2	78	80	81	79	-1.3
Paper products.....	1,345	1,365	1,381	-1.5	-1.2	-1.5	1,323	1,348	1,385	1,293	2.3
Printing.....	1,218	1,200	1,190	1.5	0.8	4.2	1,227	1,279	1,248	1,179	4.1
Petroleum and coal products.....	12,654	12,241	11,984	3.4	2.1	1.7	12,144	12,302	12,084	11,771	3.2
Chemical products.....	18,808	18,926	18,831	-0.6	0.5	0.8	18,591	18,747	18,583	20,306	-8.4
Plastics and rubber products.....	3,098	3,088	3,077	0.3	0.4	-1.3	3,100	3,077	3,061	3,237	-4.2
<b><u>FINISHED GOODS</u></b>											
All manufacturing industries.....	243,579	243,413	243,325	0.1	0.0	0.1	243,562	244,037	244,116	237,023	2.8
Durable goods industries.....	121,139	120,766	120,795	0.3	0.0	-0.1	121,222	120,511	120,174	116,770	3.8
Wood products.....	4,652	4,711	4,746	-1.3	-0.7	0.2	4,576	4,553	4,527	4,875	-6.1
Nonmetallic mineral products.....	7,383	7,371	7,323	0.2	0.7	0.5	7,117	7,099	7,172	7,019	1.4
Primary metals.....	12,701	12,163	12,377	4.4	-1.7	0.2	12,462	11,791	12,319	12,123	2.8
Fabricated metal products.....	19,806	19,890	20,029	-0.4	-0.7	-0.9	19,502	19,554	19,721	19,566	-0.3
Machinery.....	24,122	24,338	24,236	-0.9	0.4	-0.4	24,268	24,141	24,092	23,582	2.9
Computers and electronic products.....	11,855	12,020	12,103	-1.4	-0.7	0.8	12,099	12,236	12,200	11,936	1.4
Electrical equipment, appliances, and components.....	7,561	7,642	7,484	-1.1	2.1	0.0	7,388	7,600	7,377	6,896	7.1
Transportation equipment.....	17,602	17,270	17,097	1.9	1.0	0.2	18,179	17,958	17,301	16,027	13.4
Furniture and related products.....	2,854	2,874	2,835	-0.7	1.4	-1.2	2,881	2,870	2,813	2,692	7.0
Miscellaneous products.....	12,603	12,487	12,565	0.9	-0.6	0.1	12,750	12,709	12,652	12,054	5.8
Nondurable goods industries.....	122,440	122,647	122,530	-0.2	0.1	0.3	122,340	123,526	123,942	120,253	1.7
Food products.....	30,751	30,774	30,245	-0.1	1.7	0.0	31,270	31,937	31,658	30,473	2.6
Beverage and tobacco products.....	9,542	9,492	9,392	0.5	1.1	-0.1	9,443	9,590	9,385	9,024	4.6
Textiles.....	1,471	1,471	1,490	0.0	-1.3	-1.1	1,459	1,476	1,488	1,442	1.2
Textile products.....	1,706	1,713	1,730	-0.4	-1.0	0.9	1,694	1,713	1,735	1,769	-4.2
Apparel.....	1,141	1,133	1,127	0.7	0.5	0.7	1,092	1,177	1,184	1,059	3.1
Leather and allied products.....	434	432	426	0.5	1.4	2.2	439	430	426	453	-3.1
Paper products.....	6,800	6,868	6,854	-1.0	0.2	0.2	6,709	6,715	6,834	6,573	2.1
Printing.....	1,559	1,567	1,574	-0.5	-0.4	-0.7	1,558	1,596	1,560	1,508	3.3
Petroleum and coal products.....	16,764	16,616	16,487	0.9	0.8	-0.7	16,795	16,691	17,067	16,313	3.0
Chemical products.....	39,817	40,117	40,685	-0.7	-1.4	1.0	39,589	39,932	40,220	39,328	0.7
Plastics and rubber products.....	12,455	12,464	12,520	-0.1	-0.4	0.3	12,292	12,269	12,385	12,311	-0.2

<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.

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, November Full Report, January 7, 2020. 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 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>			
	Nov 2019 <sup>a</sup>	Oct 2019 <sup>a</sup>	Sep 2019	Aug 2019	Nov 2019 <sup>a</sup>	Oct 2019 <sup>a</sup>	Sep 2019	Aug 2019
All manufacturing industries <sup>3</sup> .....	1.40	1.40	1.40	1.39	(X)	(X)	(X)	(X)
Durable goods industries <sup>3</sup> .....	1.73	1.72	1.71	1.69	6.67	6.68	6.70	6.68
Wood products.....	1.28	1.30	1.32	1.32	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.35	1.34	1.32	1.32	(X)	(X)	(X)	(X)
Primary metals.....	1.75	1.74	1.72	1.73	1.61	1.60	1.58	1.57
Fabricated metal products.....	1.59	1.60	1.61	1.61	2.60	2.63	2.63	2.66
Machinery.....	2.20	2.18	2.21	2.17	3.48	3.42	3.46	3.41
Computers and electronic products <sup>4</sup> .....	1.57	1.56	1.57	1.56	5.50	5.49	5.52	5.48
Electrical equipment, appliances, and components.....	1.73	1.77	1.73	1.74	1.89	1.91	1.87	1.87
Transportation equipment.....	1.78	1.76	1.73	1.68	15.19	15.20	15.37	15.26
Furniture and related products.....	1.16	1.17	1.18	1.20	1.40	1.41	1.41	1.45
Miscellaneous products.....	1.78	1.76	1.77	1.77	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.07	1.07	1.08	1.07	(X)	(X)	(X)	(X)
Food products.....	0.79	0.79	0.80	0.80	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	2.06	1.98	1.93	1.91	(X)	(X)	(X)	(X)
Textiles.....	1.37	1.35	1.37	1.38	(X)	(X)	(X)	(X)
Textile products.....	1.54	1.54	1.55	1.54	(X)	(X)	(X)	(X)
Apparel.....	2.06	2.02	2.02	2.03	(X)	(X)	(X)	(X)
Leather and allied products.....	1.95	1.91	1.90	1.89	(X)	(X)	(X)	(X)
Paper products.....	1.01	1.01	1.01	1.00	(X)	(X)	(X)	(X)
Printing.....	0.80	0.80	0.80	0.80	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.74	0.75	0.75	0.76	(X)	(X)	(X)	(X)
Chemical products.....	1.34	1.34	1.35	1.34	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.34	1.36	1.36	1.36	(X)	(X)	(X)	(X)

<sup>a</sup> Not Applicable

<sup>a</sup> Preliminary

<sup>1</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, November Full Report, January 7, 2020. 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	
	Nov <sup>2</sup> 2019	Nov <sup>1</sup> 2018-2019	Nov <sup>2</sup> 2019	Nov <sup>1</sup> 2018-2019	Nov <sup>2</sup> 2019	Nov <sup>1</sup> 2018-2019	Nov <sup>2</sup> 2019	Nov <sup>1</sup> 2018-2019
	Oct 2019	Oct 2019	Oct 2019	Oct 2019	Oct 2019	Oct 2019	Oct 2019	Oct 2019
All manufacturing industries.....	(X)	0.2	(X)	0.2	(X)	0.1	(X)	0.1
Durable goods industries.....	-0.1	0.2	-0.1	0.4	0.0	0.1	0.0	0.0
Wood products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Primary metals.....	-0.3	0.4	-0.3	0.6	0.0	0.2	-0.1	0.2
Fabricated metal products.....	-0.3	0.4	-0.2	0.6	0.0	0.2	-0.1	0.1
Machinery.....	0.0	0.4	0.4	0.7	0.1	0.1	0.0	0.1
Computers and electronic products....	0.0	0.3	0.0	0.4	0.0	0.0	0.1	0.1
Electrical equipment, appliances, and components.....	0.3	0.2	0.0	0.4	-0.2	0.2	0.0	0.1
Transportation equipment.....	0.1	0.4	0.0	0.9	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.5	(X)	0.5	(X)	0.6	(X)	0.2
Miscellaneous products.....	(X)	0.2	(X)	0.2	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Printing.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.3
Petroleum and coal products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Chemical products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Plastics and rubber products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1

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 <<http://www.census.gov/manufacturing/m3/>>.

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