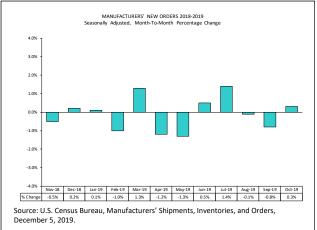
## FOR RELEASE AT 10:00 AM EST, THURSDAY, DECEMBER 5, 2019

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

Release Number: CB 19-174 M3-2 (19)-10

**December 5, 2019** — The U.S. Census Bureau announces the October full report on manufacturers' shipments, inventories and orders:





## **Summary**

New orders for manufactured goods in October, up following two consecutive monthly decreases, increased \$1.4 billion or 0.3 percent to \$497.0 billion, the U.S. Census Bureau reported today. This followed a 0.8 percent September decrease. Shipments, up following three consecutive monthly decreases, increased less than \$0.1 billion or virtually unchanged to \$500.2 billion. This followed a 0.4 percent September decrease. Unfilled orders, up three of the last four months, increased \$1.0 billion or 0.1 percent to \$1,164.3 billion. This followed a virtually unchanged September decrease. The unfilled orders-to-shipments ratio was 6.67, down from 6.70 in September. Inventories, up ten of the last eleven months, increased \$0.9 billion or 0.1 percent to \$698.8 billion. This followed a 0.3 percent September increase. The inventories-to-shipments ratio was 1.40, unchanged from September.

#### **New Orders**

New orders for manufactured durable goods in October, up four of the last five months, increased \$1.3 billion or 0.5 percent to \$248.4 billion, down from the previously published 0.6 percent increase. This followed a 1.5 percent September decrease. Transportation equipment, also up four of the last five

# **Data Inquiries**

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832 eid.m3.qs@census.gov

Media Inquiries
Public Information Office
301-763-3030
pio@census.gov



months, led the increase, \$0.6 billion or 0.7 percent to \$84.6 billion. New orders for manufactured nondurable goods increased \$0.1 billion or virtually unchanged to \$248.6 billion.

# Shipments

Shipments of manufactured durable goods in October, down four consecutive months, decreased less than \$0.1 billion or virtually unchanged to \$251.6 billion, down from the previously published increase. This followed a 0.7 percent September decrease. Transportation equipment, also down four consecutive months, drove the decrease, \$0.3 billion or 0.4 percent to \$83.7 billion. Shipments of manufactured nondurable goods, up following two consecutive monthly decreases, increased \$0.1 billion or virtually unchanged to \$248.6 billion. This followed a 0.1 percent September decrease. Petroleum and coal products, up three of the last four months, drove the increase, \$0.3 billion or 0.7 percent to \$51.7 billion.

## **Unfilled Orders**

Unfilled orders for manufactured durable goods in October, up three of the last four months, increased \$1.0 billion or 0.1 percent to \$1,164.3 billion, unchanged from the previously published increase. This followed a virtually unchanged September decrease. Transportation equipment, up four consecutive months, led the increase, \$0.9 billion or 0.1 percent to \$795.5 billion.

## **Inventories**

Inventories of manufactured durable goods in October, up fifteen of the last sixteen months, increased \$1.6 billion or 0.4 percent to \$432.2 billion, up from the previously published 0.3 percent increase. This followed a 0.5 percent September increase. Transportation equipment, also up fifteen of the last sixteen months, drove the increase, \$1.9 billion or 1.3 percent to \$147.4 billion. Inventories of manufactured nondurable goods, down seven consecutive months, decreased \$0.7 billion or 0.3 percent to \$266.6 billion. This followed a virtually unchanged September decrease. Food products, down two of the last three months, led the decrease, \$0.4 billion or 0.8 percent to \$54.0 billion. By stage of fabrication, October materials and supplies increased 0.2 percent in durable goods and were virtually unchanged in nondurable goods. Work in process increased 0.8 percent in durable goods and decreased 1.3 percent in nondurable goods. Finished goods were virtually unchanged in both durable and nondurable goods.

The Advance Report on durable goods for November is scheduled for release on December 24, 2019 at 8:30 a.m. EST and the Full Report on January 7, 2020 at 10:00 a.m. EST. View the full schedule in the Economic Briefing Room: <a href="www.census.gov/economic-indicators/">www.census.gov/economic-indicators/</a>>. The full text and tables of this release can be found at <a href="www.census.gov/m3">www.census.gov/m3</a>>.

**Data Inquiries** 

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

eid.m3.qs@census.gov

Media Inquiries
Public Information Office
301-763-3030
pio@census.gov



#### **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-inprocess, 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 monthto-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

**Data Inquiries** 

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

eid.m3.qs@census.gov

Media Inquiries
Public Information Office
301-763-3030
pio@census.gov



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>.

#### 2020 RELEASE DATES FOR THE M3 SURVEY

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

Source: <a href="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</a>

# **RESOURCES**

## API

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

<www.census.gov/developers/>.

### **NEW TIME SERIES**

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

**Data Inquiries** 

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832 eid.m3.qs@census.gov

Public Information Office 301-763-3030 pio@census.gov

**Media Inquiries** 

Census Bureau

# **FRED Mobile App**



Receive the latest updates on the nation's key economic indicators by downloading the FRED App < <a href="https://fred.stlouisfed.org/fred-mobile/">https://fred.stlouisfed.org/fred-mobile/</a> 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.

###

**Data Inquiries** 

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

eid.m3.qs@census.gov

Public Information Office 301-763-3030 pio@census.gov

**Media Inquiries** 



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

[Estimates are shown in millions of do	ollars and a		asonally Ad		anutactu	rers' Shi	pments, In	ventories,		Seasonally Ac	diustad		
		Monthly	asonany Au		rcent Char	196		Mor	nthly	. Seasonally At	ıjusteu	Year to date	
Industry		iviolitily		rei	Cent Chai	ige		IVIOI	itiliy			rear to date	% Change
industry	Oct. 2019 <sup>p</sup>	Sep. 2019 <sup>r</sup>	Aug. 2019	Sep Oct.	Aug Sep.	July - Aug.	Oct. 2019 <sup>p</sup>	Sep. 2019 <sup>r</sup>	Aug. 2019	Oct. 2018	2019 <sup>p</sup>	2018	2019/ 2018
All manufacturing industries	500,158 416,449	500,121	502,177	0.0	-0.4	-0.3	518,577	514,074	520,191	527,031	5,055,884	5,013,593	0.8
Excluding transportation Excluding defense	485,234	416,110 485,306	416,619 487,467	0.1 0.0	-0.1 -0.4	-0.1 -0.3	430,772 503,860	425,792 497,909	430,689 505,703	434,786 513,214	4,186,659 4,910,888	4,160,308 4,881,308	0.6 0.6
With unfilled orders	174,568	173,690	174,192	0.5	-0.3	0.0	178,156	181,849	180,056	181,221	1,767,399	1,746,808	1.2
Durable goods industries	251,562	251,606	253,325	0.0	-0.7	-0.2	260,951	262,426	263,168	265,344	2,557,016	2,512,790	1.8
Wood products Nonmetallic mineral products	9,229 11,322	9,179 11,459	9,202 11,443	0.5 -1.2	-0.2 0.1	1.3 0.4	9,777 12,597	9,501 11,981	9,826 12,676	9,766 12,261	93,165 115,082	95,545 110,831	-2.5 3.8
Primary metals	20,062	20,240	20,174	-0.9	0.3	0.0	20,492	20,213	21,017	22,145	209,186	215,517	-2.9
Iron and steel mills	9,868	10,016	10,103	-1.5	-0.9	0.0	10,083	9,900	10,580	11,379	105,833	107,818	-1.8
Aluminum and nonferrous metals Ferrous metal foundries	8,699 1,495	8,753 1,471	8,602 1,469	-0.6 1.6	1.8 0.1	0.4 -1.5	8,908 1,501	8,808 1,505	8,896 1,541	9,351 1,415	88,095 15,258	93,667 14,032	-5.9 8.7
Fabricated metal products	33,934	33,861	33,676	0.2	0.5	0.7	35,715	34,862	35,676	35,004	341,137	330,297	3.3
Machinery	33,073	32,737	33,282	1.0	-1.6	1.1	33,392	32,939	33,618	33,400	333,113	327,470	1.7
Farm machinery Construction machinery	2,464 2,878	2,506 2,903	2,548 3,134	-1.7 -0.9	-1.6 -7.4	3.3 7.1	2,345 3,054	2,267 2,830	2,329 3,107	2,592 3,203	26,627 30,405	26,335 29,774	1.1 2.1
Mining, oil field, and	2,070	2,303	3,134	0.5	7.4	7.1	3,034	2,030	3,107	3,203	30,403	23,114	2.1
gas field machinery	1,454	1,325	1,429	9.7	-7.3	-3.9	1,467	1,373	1,427	1,512	14,310	15,103	-5.3
Industrial machinery Photographic equipment	3,028 537	3,007 564	2,982 552	0.7 -4.8	0.8 2.2	6.7 1.1	3,041 544	3,465 624	3,023 529	2,665 591	27,998 5,509	26,371 5,445	6.2 1.2
Ventilation, heating, air-conditioning,	337	304	332	4.0	2.2	1.1	544	024	323	331	3,303	3,443	1.2
and refrigeration equipment	4,124	4,080	4,130	1.1	-1.2	2.6	3,818	4,105	4,450	3,626	41,559	39,113	6.3
Metalworking machinery Turbines, generators, and other	2,536	2,567	2,625	-1.2	-2.2	-2.4	2,701	2,660	2,621	2,815	25,939	26,966	-3.8
power transmission equipment	4,513	4,431	4,327	1.9	2.4	-1.4	4,672	4,307	4,522	4,578	44,195	42,292	4.5
Material handling equipment	2,805	2,724	2,806	3.0	-2.9	-2.4	2,950	2,699	2,956	2,872	28,417	27,013	5.2
Computers and electronic products <sup>2</sup>	27,851	27,709	27,786	0.5	-0.3	-0.3	27,731	30,908	27,785	27,634	274,161	263,977	3.9
Computers Computer storage devices	545 389	537 307	578 346	1.5 26.7	-7.1 -11.3	-2.0 -0.3	524 315	661 407	623 304	783 237	6,009 3,241	7,853 2,703	-23.5 19.9
Other peripheral equipment	791	810	791	-2.3	2.4	4.6	745	1,006	722	772	7,668	7,294	5.1
Nondefense communications													
equipment  Defense communications equipment	3,604 239	3,615 260	3,606 261	-0.3 -8.1	0.2 -0.4	0.0 -3.0	3,090 254	4,504 290	3,248 277	2,967 337	34,524 2,771	31,119 2,858	10.9 -3.0
Audio and video equipment	311	298	310	4.4	-3.9	-8.0	407	273	282	386	2,924	2,277	28.4
Electronic components	3,623	3,637	3,693	-0.4	-1.5	2.2	3,606	3,788	3,996	3,466	36,310	34,835	4.2
Nondefense search and navigation equipment	1,547	1,478	1,568	4.7	-5.7	-0.1	1,511	1,665	1,552	1,530	15,517	15,139	2.5
Defense search and navigation	1,547	1,470	1,500	4.7	5.7	0.1	1,311	1,005	1,332	1,550	13,317	13,133	2.3
equipment	2,869	2,865	2,826	0.1	1.4	-0.7	2,834	3,167	2,798	2,721	27,887	27,004	3.3
Electromedical, measuring, and control instruments	9,224	9,110	9,085	1.3	0.3	-1.0	8,901	10,247	8,935	9,125	90,574	90,307	0.3
Electrical equipment, appliances,	3,224	3,110	5,005	1.5	0.5	1.0	0,501	10,247	0,555	3,123	30,374	30,307	0.5
and components	11,512	11,751	11,676	-2.0	0.6	-1.0	11,948	12,576	12,251	12,009	117,122	113,453	3.2
Electric lighting equipment  Household appliances	1,059 1,691	1,063 1,754	1,049 1,789	-0.4 -3.6	1.3 -2.0	-0.9 3.2	1,124 1,798	1,086 1,930	1,098 1,876	1,111 1,923	10,493 17,326	10,524 17,161	-0.3 1.0
Electrical equipment	3,119	3,153	3,096	-1.1	1.8	-3.5	3,033	3,467	3,253	2,965	31,589	31,177	1.3
Batteries	891	941	921	-5.3	2.2	0.4	1,082	1,019	974	1,130	8,947	9,250	-3.3
Transportation equipment Automobiles	83,709 7,972	84,011 8,173	85,558 8,519	-0.4 -2.5	-1.8 -4.1	-1.1 -3.4	87,805 8,667	88,282 8,305	89,502 9,121	92,245 10,212	869,225 87,504	853,285 91,714	1.9 -4.6
Light trucks and utility vehicles	20,561	21,247	22,080	-3.2	-3.8	-1.9	22,641	22,346	23,812	23,044	214,973	198,657	8.2
Heavy duty trucks	2,831	2,881	2,894	-1.7	-0.4	-1.1	2,979	2,933	2,994	3,047	30,586	27,454	11.4
Motor vehicle bodies, parts, and trailers	27,416	27,741	28,171	-1.2	-1.5	-0.7	29,381	27,995	30,027	29,958	285,180	273,706	4.2
Nondefense aircraft and parts	10,061	9,331	9,170	7.8	1.8	-2.2	9,142	10,789	8,706	11,820	106,394	128,730	-17.4
Defense aircraft and parts	4,373	4,225	4,358	3.5	-3.1	-4.1	4,304	4,815	4,360	4,620	44,409	44,310	0.2
Ships and boats Furniture and related products	2,835 6,855	2,692 6,777	2,677 6,684	5.3 1.2	0.6 1.4	1.8 -2.4	2,882 7,026	2,745 6,734	2,526 7,217	2,809 6,664	27,914 67,992	27,716 65,286	0.7 4.1
Miscellaneous durable goods	14,015	13,882	13,844	1.0	0.3	0.5	14,468	14,430	13,600	14,216	136,833	137,129	-0.2
Nondurable goods industries	248,596	248,515	248,852	0.0	-0.1	-0.4	257,626	251,648	257,023	261,687	2,498,868	2,500,803	-0.1
Food products	67,898	68,024	68,098	-0.2	-0.1	0.2	71,513	69,275	69,706	70,232	674,397	671,805	0.4
Grain and oilseed milling	7,205	7,371	7,454	-0.2	-0.1 -1.1	1.1	71,513	7,251	7,722	8,249	74,061	78,164	-5.2
Dairy products	9,573	9,473	9,484	1.1	-0.1	-0.6	9,983	9,448	9,741	9,607	93,908	94,134	-0.2
Meat, poultry, and seafood products  Beverage and tobacco products	19,323 12,633	19,372 12,916	19,335 13,174	-0.3 -2.2	0.2 -2.0	0.5 1.2	19,706 12,683	19,399 13,249	19,966 13,657	19,473 12,717	194,006 126,830	194,142 125,984	-0.1 0.7
Beverages	8,879	8,815	8,670	0.7	1.7	-0.2	8,929	9,148	9,153	8,801	87,505	87,466	0.0
Tobacco	3,754	4,101	4,504	-8.5	-8.9	3.9	3,754	4,101	4,504	3,916	39,325	38,518	2.1
Textile mills Textile products	2,438 2,237	2,432 2,258	2,433 2,267	0.2 -0.9	0.0 -0.4	-0.8 -0.6	2,529 2,275	2,446 2,235	2,602 2,384	2,590 2,420	25,014 23,023	25,398 22,995	-1.5 0.1
Apparel	959	949	946	1.1	0.3	-0.4	1,114	992	1,051	1,148	9,484	9,591	-1.1
Leather and allied products	413	409	409	1.0	0.0	-3.8	421	388	413	417	4,208	4,149	1.4
Paper products  Pulp, paper, and paperboard mills	16,122 6,542	16,134 6,547	16,263 6,565	-0.1 -0.1	-0.8 -0.3	0.1 -0.2	16,956 6,778	16,309 6,689	16,943 6,872	17,038 6,844	162,665 65,408	161,944 66,230	0.4 -1.2
Paperboard containers	5,667	5,636	5,741	-0.1	-0.3 -1.8	-0.2 0.7	6,778	5,690	6,039	6,022	55,408 57,508	56,304	-1.2 2.1
Printing	6,952	6,917	6,916	0.5	0.0	0.0	7,647	7,138	7,091	7,376	68,181	65,822	3.6
Petroleum and coal products  Petroleum refineries	51,658 47,393	51,316 46,934	51,085 46,756	0.7 1.0	0.5 0.4	-3.4 -3.9	53,516 48,678	52,266 47,338	54,321 49,142	60,173 55,498	531,766 487,310	557,207 515,705	-4.6 -5.5
Chemical products	47,393 67,568	46,934 67,413	46,756 67,437	0.2	0.4	-3.9	48,678 68,326	47,338 67,456	49,142 68,206	55,498 66,823	487,310 672,557	655,200	-5.5 2.6
Pesticides, fertilizers, and other													
agricultural chemicals Pharmaceuticals and medicines	2,554 23,846	2,615 23,633	2,559 23,456	-2.3 0.9	2.2 0.8	2.9 2.6	2,063 24,679	2,502 23,988	2,197 23,476	2,253 22,600	26,970 228,998	27,363 211,844	-1.4 8.1
Paints, coatings, and adhesives	3,843	3,843	3,876	0.9	-0.9	0.0	3,964	3,745	4,144	3,920	39,855	39,129	1.9
Plastics and rubber products	19,718	19,747	19,824	-0.1	-0.4	0.0	20,646	19,894	20,649	20,753	200,743	200,708	0.0
		-					-			-		-	

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

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

			Seasonally	Adjusted					Not	Seasonally A	djusted		
		Monthly		Pe	rcent Chang	ge		Mor	Monthly			Year to date	
Industry	Oct. 2019 <sup>p</sup>	Sep. 2019 <sup>r</sup>	Aug. 2019	Sep Oct.	Aug Sep.	July - Aug.	Oct. 2019 <sup>p</sup>	Sep. 2019 <sup>r</sup>	Aug. 2019	Oct. 2018	2019 <sup>p</sup>	2018	% Change 2019/ 2018
All manufacturing industries <sup>2</sup>	496,962	495,574	499,585	0.3	-0.8	-0.1	510,571	507,103	511,110	517,515	4,988,342	5,010,839	-0.4
Excluding transportation <sup>2</sup>	412,360	411,537	412,814	0.2	-0.3	-0.2	424,685	419,329	423,344	430,230	4,146,086	4,138,644	0.2
Excluding defense <sup>2</sup>	478,506	478,368	483,182	0.0	-1.0	-0.7	493,602	486,553	496,948	505,061	4,839,768	4,864,249	-0.5
With unfilled orders <sup>2</sup>	175,601	173,464	175,862	1.2	-1.4	0.5	175,153	179,282	175,547	176,640	1,742,187	1,783,976	
Durable goods industries <sup>2</sup>	248,366	247,059	250,733	0.5	-1.5	0.2	252,945	255,455	254,087	255,828	2,489,474	2,510,036	-0.8
Primary metals	20,202	20,483	20,582	-1.4	-0.5	1.6	20,122	19,602	20,790	21,997	208,669	217,978	-4.3
Iron and steel mills	10,116	10,292	10,440	-1.7	-1.4	1.8	9,692	9,494	10,508	10,819	105,373	109,376	-3.7
Aluminum and nonferrous metals	8,619	8,781	8,623	-1.8	1.8	0.9	8,961	8,716	8,688	9,763	88,146	94,362	-6.6
Ferrous metal foundries	1,467	1,410	1,519	4.0	-7.2	4.1	1,469	1,392	1,594	1,415	15,150	14,240	6.4
Fabricated metal products	33,797	33,316	34,101	1.4	-2.3	0.6	34,588	33,467	35,704	34,401	342,823	336,877	1.8
Machinery	33,033	32,651	32,681	1.2	-0.1	-0.3	33,368	32,343	32,559	34,047	330,716	331,700	-0.3
Construction machinery Mining, oil field, and	2,809	2,698	2,756	4.1	-2.1	0.9	2,994	2,670	2,698	3,154	28,260	30,057	-6.0
gas field machinery	1,435	1,305	1,403	10.0	-7.0		,	1,353	1,401	1,556	13,740	15,000	
Industrial machinery	3,023	3,016	2,934	0.2	2.8	7.6	3,155	3,408	2,942	2,818	27,735	26,584	
Photographic equipment Ventilation, heating, air-conditioning,	514	626	536	-17.9	16.8	16.5	579	743	500	659	5,248	5,144	
and refrigeration equipment Metalworking machinery	4,146 2,512	4,087 2,545	4,093 2,512	1.4 -1.3	-0.1 1.3	2.5 -7.9	3,855 2,711	4,031 2,523	4,199 2,458	3,823 2,846	42,201 25,259	40,192 26,952	
Turbines, generators, and other	2,512	2,3 .3	2,512	1.5	1.0	7.3	2,711	2,323	2, .50	2,0 .0	23,233	20,552	0.5
power transmission equipment	4,496	4,398	4,305	2.2	2.2	-3.9	4,655	4,274	4,500	4,430	44,072	41,771	5.5
Material handling equipment	2,889	2,742	2,764	5.4	-0.8	-4.0	2,816	2,644	2,795	2,777	28,270		
Computers and electronic products <sup>2</sup>	23,662	23,510	23,618	0.6	-0.5			27,227	22,033	23,064	232,932	227,654	
Computers	573	578	545	-0.9	6.1	-6.0		702	590	812	5,987	8,107	-26.2
Nondefense communications	3/3	378	343	-0.3	0.1	-0.0	332	702	330	012	3,367	0,107	-20.2
equipment	3,526	3,470	3,429	1.6	1.2	-3.8	3,119	4,381	2,943	3,055	33,802	32,332	4.5
Defense communications equipment	191	240	225	-20.4	6.7	-0.9	171	306	250	305	2,408	2,862	-15.9
Electronic components	3,791	3,818	3,791	-0.7	0.7	4.7	3,807	3,930	3,974	3,511	36,640	35,623	
Nondefense search and navigation		,	,				,	,		,	,		
equipment Defense search and navigation	1,577	1,630	1,716	-3.3	-5.0	6.5	1,719	1,830	1,543	1,765	16,557	16,019	3.4
equipment Electromedical, measuring,	2,836	2,906	2,929	-2.4	-0.8	1.0	2,608	3,452	2,616	2,798	29,043	26,982	7.6
and control instruments	9,197	8,982	9,076	2.4	-1.0	-1.8	8,891	10,444	8,333	9,048	90,256	90,789	-0.6
Electrical equipment, appliances,													
and components	11,630	11,841	11,737	-1.8	0.9	-2.1	12,189	12,356	12,253	12,075	118,348	113,873	
Electric lighting equipment	1,139	1,134	1,116	0.4	1.6	-0.6	1,214	1,137	1,151	1,100	11,002	10,579	
Household appliances	1,697	1,760	1,816	-3.6	-3.1	2.8	1,851	1,962	1,894	1,944	17,493	17,371	
Electrical equipment	3,031	3,103	3,083	-2.3	0.6	-4.9		3,257	3,203	3,096	31,745	30,978	
Transportation equipment	84,602	84,037	86,771	0.7	-3.2	0.2	85,886	87,774	87,766	87,285	842,256	872,195	-3.4
Motor vehicle bodies, parts,													_
and trailers	27,075	27,304	27,914	-0.8	-2.2			27,498	30,207	29,024	282,463	273,085	3.4
Nondefense aircraft and parts	8,122	7,340	9,059	10.7	-19.0	-17.2	6,541	6,646	7,027	9,006	81,662	132,745	-38.5
Defense aircraft and parts	7,335	6,197	5,404	18.4	14.7	52.7	7,096	7,202	3,652	4,287	47,409	50,613	
Ships and boats	2,931	2,222	3,468	31.9	-35.9	77.6	2,761	2,251	3,187	2,136	27,026	30,032	
Furniture and related products	6,892	6,676	6,756	3.2	-1.2	-1.8	7,093	6,749	6,882	6,718	68,591	66,318	3.4
Nondurable goods industries	248,596	248,515	248,852	0.0	-0.1	-0.4	257,626	251,648	257,023	261,687	2,498,868	2,500,803	-0.1

<sup>&</sup>lt;sup>p</sup> Preliminary

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <a href="http://www.census.gov/manufacturing/m3/">http://www.census.gov/manufacturing/m3/</a>. Survey, October Full Report, December 5, 2019. Information on data sources and methodology can be found on our website at <a href="http://www.census.gov/manufacturing/m3/">www.census.gov/manufacturing/m3/</a>how the data\_are\_collected/index.html>.

Revised data due to late receipts and concurrent seasonal adjustment.

<sup>&</sup>lt;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 destimates 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>&</sup>lt;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.

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

Industry				Seasonally Ad	djusted			Not Seasonally Adjusted					
Oct.   Sep.   Aug.   2019'   2019'   2019'   2019   2018   2018   2019   2019   2019   2019   2018   2019   2019   2019   2018   2019   2019   2019   2018   2019   2019   2019   2018   2019   2019   2019   2018   2019   2019   2019   2018   2019   2019   2019   2018   2019   2019   2019   2019   2018   2019   2018   2019			Monthly		P	ercent Chang	e		Mor	nthly		% Change	
Excluding transportation	Industry			-		-	,			-		October 2019/ 2018	
Excluding defense	All manufacturing industries <sup>2</sup>	1,164,278	1,163,245	1,163,471	0.1	0.0	0.1	1,154,422	1,157,425	1,159,992	1,173,580	-1.6	
Durable goods industries	Excluding transportation <sup>2</sup>	368,770	368,630	368,882	0.0	-0.1	0.1	364,814	365,898	367,957	364,831	0.0	
Primary metals	Excluding defense <sup>2</sup>	959,507	962,006	964,623	-0.3	-0.3	0.0	950,529	955,784	962,736	979,094	-2.9	
Indicate   Indicate	Durable goods industries <sup>2</sup>	1,164,278	1,163,245	1,163,471	0.1	0.0	0.1	1,154,422	1,157,425	1,159,992	1,173,580	-1.6	
Aluminum and nonferrous metals	Primary metals	32,095	31,955	31,712	0.4	0.8	1.3	30,586	30,956	31,567	30,339	0.8	
Ferrous metal foundries	Iron and steel mills	16,993	16,745	16,469	1.5	1.7	2.1	15,809	16,200	16,606	15,776	0.2	
Fabricated metal products		11,701	11,781	11,753	-0.7	0.2	0.2	11,447	11,394	11,486	11,201	2.2	
Machinery	Ferrous metal foundries	3,401	3,429	3,490	-0.8	-1.7	1.5	3,330	3,362	3,475	3,362	-1.0	
Construction machinery	Fabricated metal products	86,340	86,477	87,022	-0.2	-0.6	0.5	85,250		87,772	83,954	1.5	
Mining, oil field, and gas field machinery	Machinery	102,162				-0.1			101,427	102,023	105,567	-3.9	
Industrial machinery		4,445	4,514	4,719	-1.5		-7.4	4,216	4,276	4,436	6,281	-32.9	
Photographic equipment							_	-,				-18.0	
Ventilation, heating, air-conditioning, and refrigeration equipment										,		-9.6	
Metalworking machinery		1,302	1,325	1,263	-1.7	4.9	-1.3	1,329	1,294	1,175	1,529	-13.1	
Metalworking machinery		0.013	7.004	7.004	0.3	0.1	0.5	7 754	7 74 4	7 700	7 400	7.8	
Turbines, generators, and other power transmission equipment	- · · · · · · · · · · · · · · · · · · ·		,			_		,	,	,	,	-	
Description		6,/36	6,760	6,782	-0.4	-0.3	-1.6	6,658	6,648	6,785	7,751	-14.1	
Material handling equipment		20,620	20.647	20.000	0.4	0.1	0.1	20.620	20.647	20.600	20.200	-2.3	
Computers and electronic products 2		,	-,-	,	-	-	-	-,	-,-	,	,	-	
Computers	- · · · · · · · · · · · · · · · · · · ·	1		,				,	,		,	0.8	
Nondefense communications equipment	·											1.8	
equipment         24,128         24,206         24,351         -0.3         -0.6         -0.7         24,036         24,007         24,130         24,842           Defense communications equipment         968         1,016         1,036         -4.7         -1.9         -3.4         972         1,055         1,039         1,434           Electronic components         13,242         13,074         12,893         1.3         1.4         0.8         13,126         12,925         12,783         12,610           Nondefense search and navigation equipment         20,761         20,731         20,579         0.1         0.7         0.7         20,901         20,693         20,528         19,953           Defense search and navigation equipment         29,439         29,472         29,431         -0.1         0.1         0.4         29,222         29,448         29,163         27,183           Electronic decia, measuring, and control instruments         27,916         27,943         28,071         -0.1         -0.5         0.0         27,714         27,724         27,527         27,915           Electrical equipments         20,299         20,181         20,091         0.6         0.4         0.3         20,181         19,940		2,173	2,145	2,104	1.3	1.9	-1.5	2,173	2,145	2,104	2,132	1.9	
Defense communications equipment		24.420	24.205	24.254	0.0	0.5	0.7	24.025	24.007	24.420	24.042	2.2	
Electronic components	• •						_	,				-3.2	
Nondefense search and navigation equipment				,				-	,		,	-32.2	
Defense search and navigation equipment		13,242	13,074	12,893	1.3	1.4	0.8	13,126	12,925	12,/83	12,610	4.1	
equipment		20,761	20,731	20,579	0.1	0.7	0.7	20,901	20,693	20,528	19,953	4.8	
and control instruments	equipment	29,439	29,472	29,431	-0.1	0.1	0.4	29,222	29,448	29,163	27,183	7.5	
Electrical equipment, appliances, and components		27 916	27 0/12	28 071	-0.1	-0.5	0.0	27 714	27 724	27 527	27 015	-0.7	
and components		27,510	27,343	28,071	-0.1	-0.5	0.0	27,714	27,724	27,327	27,313	-0.7	
Electric lighting equipment		20.299	20.181	20.091	0.6	0.4	0.3	20.181	19.940	20.160	19.452	3.7	
Household appliances												32.9	
Electrical equipment	0 0 1 1		1,291				2.1	1.382				-0.9	
Transportation equipment	* *		,	,					,	,		2.3	
and trailers	Transportation equipment			794,589			0.2					-2.4	
Nondefense aircraft and parts	· · · ·	25.749	26,090	26.527	-1 3	-1 6	-1 0	24.475	25,939	26,436	25.886	-5.5	
Defense aircraft and parts												-4.0	
Ships and boats												8.1	
	· · · · · · · · · · · · · · · · · · ·		,	,			-	,		,	,	-2.6	
Furniture and related products	•		8,628	8,729			0.8	8,668	8,601	8,586	8,911	-2.7	

<sup>&</sup>lt;sup>p</sup> Preliminary

Revised data due to late receipts and concurrent seasonal adjustment.

<sup>&</sup>lt;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>&</sup>lt;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 <a href="http://www.census.gov/manufacturing/m3/">http://www.census.gov/manufacturing/m3/</a>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2019. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/how\_the\_data\_are\_collected/index.html>.

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

		Monthly	Seasonally Ac	i –	ercent Chang	e		Not:	Seasonally Adju	stea	% Change
Industry	Oct. 2019 <sup>p</sup>	Sep. 2019 <sup>r</sup>	Aug. 2019	Sep Oct.	Aug Sep.	July - Aug.	Oct. 2019 <sup>p</sup>	Sep. 2019 <sup>r</sup>	Aug. 2019	Oct. 2018	October 2019/ 2018
All manufacturing industries	698,785	697,912	695,671	0.1	0.3	-0.1	701,493	698,215	700,055	686,051	2.3
Excluding transportation	551,385	552,364	552,354	-0.2	0.0	-0.4	552,907	552,273	555,435	554,213	-0.2
Excluding defense With unfilled orders	670,052 353,029	669,568 351,382	667,556 349,208	0.1 0.5	0.3 0.6	0.0 0.3	672,810 353,575	669,896 351,496	671,888 352,576	658,968 336,135	2.1 5.2
Durable goods industries	432,151	430,595	428,293	0.4	0.5	0.3	432,413	430,331	432,002	412,470	4.8
Wood products	12,106	12,094	12,136	0.1	-0.3	0.2	11,998	11,865	11,992	12,261	-2.1
Nonmetallic mineral products Primary metals	15,133 34,759	15,077 34,910	15,053 34,972	0.4 -0.4	0.2 -0.2	0.2 -1.4	14,738 34,528	14,886 34,987	14,999 35,270	14,409 35,713	2.3 -3.3
Iron and steel mills	18,803	18,919	19,138	-0.4	-0.2	-2.9		19,023	19,315	20,300	-7.9
Aluminum and nonferrous metals	13,820	13,857	13,701	-0.3	1.1	0.3	13,688	13,891	13,826	13,339	2.6
Ferrous metal foundries Fabricated metal products	2,136 54,281	2,134 54,370	2,133 54,328	0.1 -0.2	0.0 0.1	1.2 -0.3	2,136 53,904	2,073 54,320	2,129 54,543	2,074 54,012	3.0 -0.2
Machinery	72,121	72,225	72,242	-0.1	0.0	-0.2	72,065	72,355	72,960	69,922	3.1
Farm machinery	4,331	4,285	4,190	1.1	2.3	-2.4	4,043	4,064	4,019	3,600	12.3
Construction machinery Mining, oil field,	5,860	5,895	5,980	-0.6	-1.4	0.6	5,856	5,943	5,954	5,537	5.8
and gas field machinery	5,405	5,454	5,451	-0.9	0.1	-0.6	5,391	5,404	5,489	5,482	-1.7
Industrial machinery	8,489	8,495	8,490	-0.1	0.1	0.5	8,412	8,809	8,703	8,401	0.1
Photographic equipment Ventilation, heating, air-conditioning,	1,798	1,767	1,747	1.8	1.1	-0.1	1,819	1,764	1,813	1,723	5.6
and refrigeration equipment	5,478	5,495	5,541	-0.3	-0.8	-1.1	5,372	5,331	5,530	5,015	7.1
Metalworking machinery	6,157	6,144	6,156	0.2	-0.2	0.1	6,249	6,239	6,276	6,027	3.7
Turbines, generators, and other power transmission equipment	9,570	9,543	9,585	0.3	-0.4	0.1	9,665	9,492	9,782	9,804	-1.4
Material handling equipment	5,877	5,905	5,937	-0.5	-0.4	-0.6	6,082	6,087	6,086	6,140	-0.9
Computers and electronic products <sup>2</sup>	43,405	43,559	43,406	-0.4	0.4	0.2	43,565	43,395	44,051	43,345	0.5
Computers	1,581	1,618	1,592	-2.3	1.6	0.4	1,544	1,686	1,637	1,440	7.2
Computer storage devices Other peripheral equipment	1,123 1,111	1,159 1,102	1,156 1,084	-3.1 0.8	0.3 1.7	2.1 -0.7	1,151 1,096	1,115 1,073	1,188 1,124	1,062 1,173	8.4 -6.6
Nondefense communications	_,	-,	_,			• • • • • • • • • • • • • • • • • • • •	_,	_,-,-	_,	_,	
equipment	4,858	4,874	4,865	-0.3	0.2	0.2	4,903	4,782	4,994	4,829	1.5
Defense communications equipment  Audio and video equipment	709 606	700 650	723 657	1.3 -6.8	-3.2 -1.1	0.0 1.5	709 656	700 710	723 684	649 628	9.2 4.5
Electronic components	7,272	7,256	7,234	0.2	0.3	-0.6		7,257	7,230	7,204	0.4
Nondefense search and navigation											
equipment  Defense search and navigation	2,782	2,752	2,717	1.1	1.3	0.8	2,833	2,760	2,760	2,616	8.3
equipment	2,526	2,538	2,549	-0.5	-0.4	0.9	2,507	2,469	2,572	2,588	-3.1
Electromedical, measuring	45.664	45.602	45 500	0.4	0.6	0.3	45 744	45.565	45.053	45 400	4-
and control instruments Electrical equipment, appliances,	15,661	15,682	15,588	-0.1	0.6	0.2	15,744	15,565	15,852	15,483	1.7
and components	20,435	20,271	20,285	0.8	-0.1	-0.3	20,300	19,956	20,589	19,189	5.8
Electric lighting equipment	2,272	2,276	2,277	-0.2	0.0	1.0 -0.8		2,271	2,300	2,224 2,790	1.5 5.7
Household appliances Electrical equipment	2,948 5,750	2,898 5,724	2,912 5,737	1.7 0.5	-0.5 -0.2	0.3	2,950 5,682	2,863 5,411	3,025 5,783	5,318	6.8
Batteries	1,852	1,828	1,897	1.3	-3.6	-2.1	1,829	1,894	2,009	1,791	2.1
Transportation equipment Automobiles	147,400 5,028	145,548 5,103	143,317 4,980	1.3 -1.5	1.6 2.5	1.3 1.1	148,586 5,091	145,942 5,272	144,620 5,038	131,838 4,139	12.7 23.0
Light trucks and utility vehicles	4,974	4,977	5,065	-0.1	-1.7	2.0	5,266	5,043	5,212	4,139	9.7
Heavy duty trucks	2,241	2,230	2,200	0.5	1.4	-1.0	2,184	2,148	2,236	2,180	0.2
Motor vehicle bodies, parts, and trailers	26,638	26,697	26,554	-0.2	0.5	0.3	26,646	26,671	26,668	25,811	3.2
Nondefense aircraft and parts	78,334	76,819	75,170	2.0	2.2	2.5	79,119	76,974	75,848	67,074	18.0
Defense aircraft and parts	13,537	13,502	13,409	0.3	0.7	0.1	13,571	13,487	13,437	13,217	2.7
Ships and boats Furniture and related products	3,474 8,049	3,331 8,017	3,303 8,047	4.3 0.4	0.8 -0.4	-0.6 0.7	3,421 7,973	3,395 7,951	3,323 8,171	2,921 7,885	17.1 1.1
Miscellaneous durable goods	24,462	24,524	24,507	-0.3	0.1	-0.2		24,674	24,807	23,896	3.6
Nondurable goods industries	266,634	267,317	267,378	-0.3	0.0	-0.6	269,080	267,884	268,053	273,581	-1.6
Food products	53,962	54,377	54,347	-0.8	0.1	-0.1		55,289	54,807	56,732	0.0
Grain and oilseed milling	5,225	5,372	5,397	-0.8	-0.5	0.0		5,235	5,258	5,460	0.6
Dairy products	7,855	7,861	7,822	-0.1	0.5	-0.2	7,780	7,920	7,968	7,490	3.9
Meat, poultry, and seafood products  Beverage and tobacco products	9,633 24,883	9,604 24,951	9,555 25,137	0.3 -0.3	0.5 -0.7	0.4 -0.5	9,811 25,410	9,698 24,815	9,789 24,318	9,417 25,125	4.2 1.1
Beverages	20,443	20,530	20,693	-0.3	-0.7	-0.3	20,867	20,559	20,204	20,474	1.1
Tobacco	4,440	4,421	4,444	0.4	-0.5	-1.0	4,543	4,256	4,114	4,651	-2.3
Textile mills  Textile products	3,314 3,513	3,334 3,505	3,365 3,489	-0.6 0.2	-0.9 0.5	-0.3 -1.8	3,308 3,503	3,330 3,522	3,370 3,499	3,331 3,494	-0.7 0.3
Apparel	1,930	1,919	1,919	0.2	0.0	-0.2	1,976	1,987	2,023	2,022	-2.3
Leather and allied products	782	778	775	0.5	0.4	0.6	776	781	785	796	-2.5
Paper products Pulp, paper, and paperboard mills	16,229 6,808	16,259 6,822	16,333 6,844	-0.2 -0.2	-0.5 -0.3	0.4 0.5	15,966 6,645	16,284 6,761	16,397 6,838	15,838 6,399	0.8 3.8
Paperboard containers	5,026	5,037	5,078	-0.2	-0.3	0.5	4,968	5,078	5,103	4,995	-0.5
Printing	5,541	5,548	5,525	-0.1	0.4	0.0	5,682	5,615	5,558	5,661	0.4
Petroleum and coal products  Petroleum refineries	38,721 32,967	38,650 32,918	38,908 33,151	0.2 0.1	-0.7 -0.7	-2.7 -3.2	38,988 33,394	39,405 33,733	39,496 33,681	43,795 38,029	-11.0 -12.2
Chemical products	90,996	32,918 91,137	90,639	-0.2	-0.7	-3.2 -0.1		90,082	90,905	38,029 89,840	-12.2
Pesticides, fertilizers, and other											
agricultural chemicals Pharmaceuticals and medicines	5,081 37,340	5,128 37,753	5,115 37,227	-0.9 -1.1	0.3 1.4	0.3 0.4	4,775 37,223	4,745 37,337	4,837 37,301	4,238 36,892	12.7 0.9
Paints, coatings, and adhesives	37,340	3,7,753	3,866	-0.3	0.0	0.4		37,337	37,301	36,892	-3.3
Plastics and rubber products	26,763	26,859	26,941	-0.4	-0.3	-0.9	26,544	26,774	26,895	26,947	-1.5

<sup>&</sup>lt;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.

Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series<sup>1, 2</sup>

•	Seasonally Adjusted						,	,	Not	Seasonally A	djusted		
		Monthly		Pei	rcent Chai	nge		Mon	thly		Year t	o date	
Industry	Oct. 2019 <sup>p</sup>	Sep. 2019 <sup>r</sup>	Aug. 2019	Sep Oct.	Aug Sep.	July - Aug.	Oct. 2019 <sup>p</sup>	Sep. 2019 <sup>r</sup>	Aug. 2019	Oct. 2018	2019 <sup>p</sup>	2018	% Change <sup>6</sup> 2019/ 2018
SHIPMENTS													
All manufacturing industries	500,158	500,121	502,177	0.0	-0.4	-0.3	518,577	514,074	520,191	527,031	5,055,884	5,013,593	0.8
Construction materials and supplies	52,322	52.425	52.399	-0.2	0.0		56,019	54.051	56.926	55,402	531.599	521.132	2.0
Information technology	25,288	25,155	25,204	0.5	-0.2	-0.7	24,577	28,414	24,796	24,704	249,797	240,006	4.1
Computers and related products  Motor vehicle and parts	1,725 58,780	1,654 60,042	1,715 61,664	4.3 -2.1	-3.6 -2.6		1,584 63,668	2,074 61,579	1,649 65,954	1,792 66,261	16,918 618,243	17,850 591,531	-5.2 4.5
Capital goods	88,132	86,938	86,943	1.4	0.0	-0.1	87,485	93,489	86,622	89,258	881,684	877,147	0.5
Nondefense capital goods <sup>3</sup>	75,133	74,092	74,302	1.4	-0.3		74,610	79,592	74,225	77,377	756,347	764,283	-1.0
Excluding aircraft  Defense capital goods <sup>4</sup>	69,350 12,999	68,786 12,846	69,355 12,641	0.8 1.2	-0.8 1.6	-0.1 0.6	69,631 12,875	72,845 13,897	69,536 12,397	69,538 11,881	692,559 125,337	676,753 112,864	2.3 11.1
Consumer goods	210,264	210,848	212,069	-0.3	-0.6		220,094	214,754	219,639	225,540	2,119,041	2,113,321	0.3
Consumer durable goods	42,467	43,241	44,474	-0.3 -1.8	-2.8	-1.4	45,804	44,729	46,852	47,598	440,172	426,843	3.1
Consumer nondurable goods	167,797	167,607	167,595	0.1	0.0	-0.6	174,290	170,025	172,787	177,942	1,678,869	1,686,478	-0.5
NEW ORDERS													
All manufacturing industries <sup>5</sup>	496,962	495,574	499,585	0.3	-0.8	-0.1	510,571	507,103	511,110	517,515	4,988,342	5,010,839	-0.4
Construction materials and supplies Information technology	51,887 25,257	52,050 25,221	52,622 25,164	-0.3 0.1	-1.1 0.2	0.2 -1.0	54,808 24,636	53,045 29,021	56,537 23,590	55,213 25,017	532,526 250,701	526,617 242,870	1.1 3.2
Computers and related products	1,753	1,695	1,682	3.4	0.8	-0.1	1,612	2,115	1,616	1,821	16,896	18,104	-6.7
Motor vehicle and parts	58,439	59,605	61,407	-2.0	-2.9	-1.6	62,204	61,082	66,134	65,327	615,526	590,910	4.2
Capital goods  Nondefense capital goods <sup>3</sup>	89,433 73,196	84,952 71,028	87,404 73,584	5.3 3.1	-2.8 -3.5	-0.5 -3.2	87,149 72,623	89,713 72,894	83,185 70,673	85,308 75,150	857,985 730,109	891,327 771,858	-3.7 -5.4
Excluding aircraft	69,267	68,533	68,901	1.1	-0.5	-0.8	69,832	72,131	67,579	70,215	690,005	684,209	0.8
Defense capital goods <sup>4</sup>	16,237	13,924	13,820	16.6	0.8	16.9	14,526	16,819	12,512	10,158	127,876	119,469	7.0
Consumer goods	210,273	210,840	212,171	-0.3	-0.6	-0.7	220,154	214,872	219,658	225,536	2,119,488	2,113,444	0.3
Consumer durable goods  Consumer nondurable goods	42,476 167,797	43,233 167,607	44,576 167,595	-1.8 0.1	-3.0 0.0	-1.3 -0.6	45,864 174,290	44,847 170,025	46,871 172,787	47,594 177,942	440,619 1,678,869	426,966 1,686,478	3.2 -0.5
UNFILLED ORDERS		, , , ,	,,,,,				,	.,.	,	,-	, ,	,,	
All manufacturing industries <sup>5</sup>	1,164,278	1,163,245	1,163,471	0.1	0.0	0.1	1,154,422	1,157,425	1,159,992	1,173,580	(X)	(X)	-1.6
Construction materials and supplies	59,725	60,160	60,535	-0.7	-0.6		58,732	59,943	60,949	58,056	(X)	(X)	1.2
Information technology Computers and related products	115,967 2,173	115,998 2,145	115,932 2,104	0.0 1.3	0.1 1.9	0.0 -1.5	115,476 2,173	115,417 2,145	114,810 2,104	114,010 2,132	(X) (X)	(X) (X)	1.3 1.9
Motor vehicle and parts	25,749	26,090	26,527	-1.3	-1.6	-1.0	24,475	25,939	26,436	25,886	(X)	(X)	-5.5
Capital goods	849,425	848,124	850,110	0.2	-0.2	0.1	843,498	843,834	847,610	863,273	(X)	(X)	-2.3
Nondefense capital goods <sup>3</sup>	688,007	689,944	693,008	-0.3	-0.4	-0.1	683,182	685,169	691,867	710,387	(X)	(X)	-3.8
Excluding aircraft  Defense capital goods <sup>4</sup>	217,800 161,418	217,883 158,180	218,136 157,102	0.0 2.0	-0.1 0.7	-0.2 0.8	216,791 160,316	216,590 158,665	217,304 155,743	221,946 152,886	(X) (X)	(X) (X)	-2.3 4.9
Consumer goods	4,879	4,870	4,878	0.2	-0.2	2.1	4,933	4,873	4,755	4,934	(X)	(X)	0.0
Consumer durable goods	4,879	4,870	4,878	0.2	-0.2	2.1	4,933	4,873	4,755	4,934	(X)	(x)	0.0
TOTAL INVENTORIES													
All manufacturing industries	698,785	697,912	695,671	0.1	0.3		701,493	698,215	700,055	686,051	(X)	(X)	2.3
Construction materials and supplies Information technology	73,134 40,605	73,110 40,626	73,264 40,383	0.0 -0.1	-0.2 0.6	-0.2 0.2	72,110 40,784	72,585 40,382	73,171 41,068	72,626 39,504	(X) (X)	(X) (X)	-0.7 3.2
Computers and related products	3,815	3,879	3,832	-1.6	1.2	0.6	3,791	3,874	3,949	3,675	(X)	(X)	3.2
Motor vehicle and parts	38,881	39,007	38,799	-0.3	0.5	0.5	39,187	39,134	39,154	36,929	(X)	(X)	6.1
Capital goods	220,186	218,351	216,402	0.8	0.9	0.7	221,036	218,174	218,978	204,092	(X)	(X)	8.3
Nondefense capital goods <sup>3</sup> Excluding aircraft	195,911 130,001	194,441 130,110	192,686 129,881	0.8 -0.1	0.9 0.2	1.0 -0.1	196,845 130,280	194,274 129,927	195,238 131,617	181,341 126,509	(X) (X)	(X) (X)	8.5 3.0
Defense capital goods <sup>4</sup>	24,275	23,910	23,716	1.5	0.8	-1.2	24,191	23,900	23,740	22,751	(X)	(X)	6.3
Consumer goods	201,847	202,736	202,615	-0.4	0.1	-0.5	205,847	204,310	203,675	207,946	(X)	(X)	-1.0
Consumer durable goods  Consumer nondurable goods	32,251 169,596	32,314 170,422	32,294 170,321	-0.2 -0.5	0.1 0.1	0.6 -0.7	32,747 173,100	32,572 171,738	32,873 170,802	30,777 177,169	(X) (X)	(X) (X)	6.4 -2.3
consumer mondarable goods	109,390	1,0,422	170,321	-0.5	0.1	-0.7	1/3,100	1/1,/30	170,002	1//,109	(^)	(^)	-2.5

X Not Applicable

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 <a href="https://www.census.gov/manufacturing/m3/">https://www.census.gov/manufacturing/m3/</a>>. Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2019. Information on data sources and methodology can be found on our website at <a href="https://www.census.gov/manufacturing/m3/how\_the\_data\_are\_collected/index.html">https://www.census.gov/manufacturing/m3/how\_the\_data\_are\_collected/index.html</a>.

P Preliminary

Revised data due to late receipts and concurrent seasonal adjustment.

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

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

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

<sup>&</sup>lt;sup>6</sup> Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group<sup>1</sup>

Estimates are shown in millions of dollar	s allu ale base	eu on uata ne	Seasonally Ac		iipineiits, ii	ilventories	and Orders 3	Not Seasonally Adjusted				
		Monthly		P	ercent Chang	е		Mor	nthly		% Change	
Industry	Oct. 2019 <sup>p</sup>	Sep. 2019 <sup>r</sup>	Aug. 2019	Sep Oct.	Aug Sep.	July - Aug.	Oct. 2019 <sup>p</sup>	Sep. 2019 <sup>r</sup>	Aug. 2019	Oct. 2018	October 2019/ 2018	
MATERIALS AND SUPPLIES											,	
All manufacturing industries	237,356	237,043	237,317	0.1	-0.1	-0.2	238,206	237,609	238,247	238,254	0.0	
Durable goods industries	145,997	145,685	145,419	0.2	0.2	-0.3	146,412	146,451	146,525	144,646	1.2	
Wood products Nonmetallic mineral products	5,229 6,156	5,213 6,186	5,177 6,208	0.3 -0.5	0.7 -0.4	0.3 0.0	5,322 6,117	5,233 6,177	5,192 6,213	5,221 5,908	1.9 3.5	
Primary metals	12,652	12,408	12,547	2.0	-1.1	-1.8	12,762	12,525	12,709	13,171	-3.1	
Fabricated metal products Machinery	20,209 29,162	20,291 29,215	20,326 29,265	-0.4 -0.2	-0.2 -0.2	-0.3 -0.6	20,209 29,277	20,540 29,382	20,488 29,511	20,674 28,536	-2.2 2.6	
Computers and electronic products Electrical equipment, appliances,	19,409	19,411	19,354	0.0	0.3	0.2	19,528	19,354	19,471	19,142	2.0	
and components	8,486	8,499	8,527	-0.2	-0.3	-0.4	8,474	8,379	8,612	8,269	2.5	
Transportation equipment Furniture and related products	32,831 3,776	32,581 3,800	32,180 3,823	0.8 -0.6	1.2 -0.6	0.1 -0.4	32,872 3,747	32,961 3,770	32,315 3,861	31,921 3,896	3.0 -3.8	
Miscellaneous products	8,087	8,081	8,012	0.1	0.9	0.0		8,130	8,153	7,908	2.5	
Nondurable goods industries	91,359 18,353	91,358 18,374	91,898 18,307	0.0 -0.1	-0.6 0.4	0.0 1.4	91,794 19,153	91,158 18,428	91,722 18,184	93,608 18,448	-1.9 3.8	
Food products  Beverage and tobacco products	5,899	5,901	5,935	0.0	-0.6	-1.0	6,006	5,788	5,643	6,053	-0.8	
Textiles Textile products	1,128 1,364	1,127 1,353	1,137 1,354	0.1 0.8	-0.9 -0.1	-0.4 -0.1	1,113 1,346	1,117 1,357	1,147 1,357	1,153 1,301	-3.5 3.5	
Apparel	460 267	461	473 277	-0.2	-2.5	0.2		461 274	477	516	-10.5	
Leather and allied products Paper products	7,985	272 8,024	8,090	-1.8 -0.5	-1.8 -0.8	0.7 0.9	267 7,920	8,065	280 8,116	273 8,085	-2.2 -2.0	
Printing  Petroleum and coal products	2,780 10,062	2,784 10,179	2,798 10,512	-0.1 -1.1	-0.5 -3.2	0.5 -2.0	2,813 10,027	2,807 10,254	2,807 10,368	2,903 12,646	-3.1 -20.7	
Chemical products	31,837	31,621	31,677	0.7	-0.2	0.0	31,494	31,279	31,913	30,776	2.3	
Plastics and rubber products	11,224	11,262	11,338	-0.3	-0.7	-0.7	11,193	11,328	11,430	11,454	-2.3	
WORK IN PROCESS	240.454	247.544	245 202				240 522	245 400	245 242	240.007	4.5	
All manufacturing industries	218,161	217,544	215,293	0.3	1.0	0.2		216,490	216,343	210,097	4.5	
Durable goods industries Wood products	165,409 2,145	164,115 2,135	161,998 2,223	0.8 0.5	1.3 -4.0	0.8 -0.1	165,546 2,120	163,706 2,105	163,643 2,201	152,231 2,249	8.7 -5.7	
Nonmetallic mineral products	1,574 10,028	1,568 10,125	1,560 10,076	0.4 -1.0	0.5 0.5	-1.1 -2.2	1,503 9,971	1,537 10,143	1,550 10,313	1,509 10,659	-0.4 -6.5	
Fabricated metal products	14,170	14,050	13,794	0.9	1.9	-1.9	14,150	14,059	13,832	13,922	1.6	
Machinery Computers and electronic products	18,574 11,974	18,774 12,045	18,655 12,048	-1.1 -0.6	0.6 0.0	1.1 -0.8		18,881 11,841	19,099 12,144	18,568 12,450	0.5 -5.0	
Electrical equipment, appliances,												
and components Transportation equipment	4,298 97,359	4,288 95,870	4,274 94,072	0.2 1.6	0.3 1.9	-0.4 1.8	4,243 97,762	4,200 95,680	4,335 94,802	4,033 83,650	5.2 16.9	
Furniture and related products Miscellaneous products	1,397 3,890	1,382 3,878	1,354 3,942	1.1 0.3	2.1 -1.6	2.4 0.7	1,357 3,947	1,368 3,892	1,365 4,002	1,338 3,853	1.4 2.4	
Nondurable goods industries	52,752	53,429	53,295	-1.3	0.3	-1.7		52,784	52,700	57,866	-6.7	
Food products	4,969	5,758	5,802	-13.7	-0.8	0.8	5,836	5,203	5,120	6,767	-13.8	
Beverage and tobacco products Textiles	9,532 710	9,658 717	9,804 722	-1.3 -1.0	-1.5 -0.7	-0.3 -0.7	9,850 712	9,642 725	9,223 723	9,831 733	0.2 -2.9	
Textile products Apparel	425 338	422 331	420 327	0.7 2.1	0.5 1.2	-0.2 -1.5	430 339	430 342	420 348	432 344	-0.5 -1.5	
Leather and allied products	82	80	81	2.5	-1.2	0.0	79	81	84	77	2.6	
Paper products Printing	1,368 1,189	1,381 1,190	1,402 1,142	-0.9 -0.1	-1.5 4.2	-0.4 -4.4	1,349 1,273	1,385 1,248	1,421 1,167	1,297 1,244	4.0 2.3	
Petroleum and coal products Chemical products	12,124 18,929	11,984 18,831	11,789 18,687	1.2 0.5	1.7 0.8	-3.2 -2.4	12,281 18,748	12,084 18,583	12,206 18,878	13,894 20,016	-11.6 -6.3	
Plastics and rubber products	3,086	3,077	3,119	0.3	-1.3	-0.9		3,061	3,110	3,231	-4.7	
FINISHED GOODS												
All manufacturing industries	243,268	243,325	243,061	0.0	0.1	-0.2	243,764	244,116	245,465	237,700	2.6	
Durable goods industries	120,745	120,795	120,876	0.0	-0.1	0.2		120,174	121,834	115,593	4.2	
Wood products Nonmetallic mineral products	4,732 7,403	4,746 7,323	4,736 7,285	-0.3 1.1	0.2 0.5	0.2 0.6		4,527 7,172	4,599 7,236	4,791 6,992	-4.9 1.8	
Primary metals Fabricated metal products	12,079 19,902	12,377 20,029	12,349 20,208	-2.4 -0.6	0.2 -0.9	-0.4 0.8		12,319 19,721	12,248 20,223	11,883 19,416	-0.7 0.7	
Machinery	24,385	24,236	24,322	0.6	-0.4	-0.7	24,123	24,092	24,350	22,818	5.7	
Computers and electronic products  Electrical equipment, appliances,	12,022	12,103	12,004	-0.7	0.8	1.3	12,209	12,200	12,436	11,753	3.9	
and components	7,651	7,484	7,484	2.2	0.0 0.2	-0.1		7,377	7,642	6,887	10.1 10.4	
Transportation equipment Furniture and related products	17,210 2,876	17,097 2,835	17,065 2,870	0.7 1.4	-1.2	0.8 1.3		17,301 2,813	17,503 2,945	16,267 2,651	8.2	
Miscellaneous products	12,485	12,565	12,553	-0.6	0.1	-0.5		12,652	12,652	12,135	4.7	
Nondurable goods industries Food products	122,523 30,640	122,530 30,245	122,185 30,238	0.0 1.3	0.3 0.0	-0.6 -1.2	123,309 31,758	123,942 31,658	123,631 31,503	122,107 31,517	1.0 0.8	
Beverage and tobacco products	9,452	9,392	9,398	0.6	-0.1 -1.1	-0.5	9,554	9,385	9,452	9,241	3.4	
Textiles Textile products	1,476 1,724	1,490 1,730	1,506 1,715	-0.9 -0.3	0.9	0.0 -3.5	1,727	1,488 1,735	1,500 1,722	1,445 1,761	2.6 -1.9	
Apparel Leather and allied products	1,132 433	1,127 426	1,119 417	0.4 1.6	0.7 2.2	0.0 0.7	1,175 430	1,184 426	1,198 421	1,162 446	1.1 -3.6	
Paper products	6,876	6,854	6,841	0.3	0.2	-0.1	6,697	6,834	6,860	6,456	3.7	
Printing  Petroleum and coal products	1,572 16,535	1,574 16,487	1,585 16,607	-0.1 0.3	-0.7 -0.7	2.6 -2.8		1,560 17,067	1,584 16,922	1,514 17,255	5.4 -3.3	
Chemical products Plastics and rubber products	40,230 12,453	40,685 12,520	40,275 12,484	-1.1 -0.5	1.0 0.3	1.0 -1.2	39,938	40,220 12,385	40,114 12,355	39,048 12,262	2.3 0.1	
riastics and rubber products	12,453	12,320	12,464	-0.5	0.3	-1.2	12,2/1	12,385	12,335	12,202	U.1	

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

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.]

	Inve	entory/Ship	ments rat	io	Unfille	ed Orders/	Shipments	ratio <sup>2</sup>
Industry	Oct 2019 <sup>p</sup>	Sep 2019 <sup>r</sup>	Aug 2019	Jul 2019	Oct 2019 <sup>p</sup>	Sep 2019 <sup>r</sup>	Aug 2019	Jul 2019
All manufacturing industries <sup>3</sup>	1.40	1.40	1.39	1.38	(x)	(X)	(X)	(X)
Durable goods industries <sup>3</sup>	1.72	1.71	1.69	1.68	6.67	6.70	6.68	6.67
Wood products	1.31	1.32	1.32	1.33	(X)	(X)	(X)	(X)
Nonmetallic mineral products	1.34	1.32	1.32	1.32	(X)	(X)	(X)	(X)
Primary metals	1.73	1.72	1.73	1.76	1.60	1.58	1.57	1.55
Fabricated metal products	1.60	1.61	1.61	1.63	2.62	2.63	2.66	2.66
Machinery	2.18	2.21	2.17	2.20	3.41	3.46	3.41	3.46
Computers and electronic products <sup>3</sup>	1.56	1.57	1.56	1.55	5.48	5.52	5.48	5.46
Electrical equipment, appliances,								
and components	1.78	1.73	1.74	1.73	1.91	1.87	1.87	1.84
Transportation equipment	1.76	1.73	1.68	1.64	15.20	15.37	15.26	15.18
Furniture and related products	1.17	1.18	1.20	1.17	1.40	1.41	1.45	1.41
Miscellaneous products	1.75	1.77	1.77	1.78	(X)	(X)	(X)	(X)
Nondurable goods industries	1.07	1.08	1.07	1.08	(X)	(X)	(X)	(X)
Food products	0.79	0.80	0.80	0.80	(X)	(X)	(X)	(X)
Beverage and tobacco products	1.97	1.93	1.91	1.94	(X)	(X)	(X)	(X)
Textiles	1.36	1.37	1.38	1.38	(X)	(X)	(X)	(X)
Textile products	1.57	1.55	1.54	1.56	(X)	(X)	(X)	(X)
Apparel	2.01	2.02	2.03	2.02	(X)	(X)	(X)	(X)
Leather and allied products	1.89	1.90	1.89	1.81	(X)	(X)	(X)	(X)
Paper products	1.01	1.01	1.00	1.00	(X)	(X)	(X)	(X)
Printing	0.80	0.80	0.80	0.80	(X)	(X)	(X)	(X)
Petroleum and coal products	0.75	0.75	0.76	0.76	(X)	(X)	(X)	(X)
Chemical products	1.35	1.35	1.34	1.36	(X)	(X)	(X)	(X)
Plastics and rubber products	1.36	1.36	1.36	1.37	(X)	(X)	(X)	(X)

Not Applicable

sampling error caminor de Lacutades. Por in further declains on survey easign, memorabolity, and data immetations see (http://www.census.gov/maunfacturing/mi/>... Source: U.S. Census Bursus, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, Otober Full Report, December 5, 2019. Information on data sources and methodology can be found on our website at <a href="https://www.census.gov/manufacturing/mi/>mi/>https://www.census.gov/manufacturing/mi/>mi/>https://www.census.gov/manufacturing/mi/>mi/>https://www.census.gov/manufacturing/mi/ https://www.census.gov/mi/ https://www.census.gov/

Table 8. Revisions to Previously Published Monthly Percent Changes  $^{\scriptsize 1}$ 

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

	Ship	ments	New 0	Orders	Unfilled	Orders	Inven	tories
Industry	Oct <sup>2</sup> 2019	Oct <sup>3</sup> 2018- Sep 2019	Oct <sup>2</sup> 2019	Oct <sup>3</sup> 2018- Sep 2019	Oct <sup>2</sup> 2019	Oct <sup>3</sup> 2018- Sep 2019	Oct <sup>2</sup> 2019	Oct <sup>3</sup> 2018- Sep 2019
All manufacturing industries	(x)	0.2	(x)	0.2	(x)	0.1	(x)	0.1
Durable goods industries.  Wood products. Primary metals. Fabricated metal products. Machinery. Computers and electronic products. Electrical equipment, appliances, and components. Transportation equipment. Furniture and related products. Miscellaneous products. Nondurable goods industries.	0.0 (X) (X) 0.0 0.0 -0.3 0.0 0.0 0.0 (X) (X)	0.2 0.3 0.4 0.3 0.4 0.3 0.2 0.4 0.5 0.2	-0.1 (X) (X) 0.0 -0.4 -0.1 -0.1 -0.1 (X) (X)	0.4 (NA) (NA) 0.5 0.6 0.7 0.5 0.9 0.4 0.2	-0.3 0.0 -0.1 -0.1 0.0 (X) (X)	(NA) (NA) 0.3 0.2 0.1 0.1 0.2 0.1 0.6 0.1 (NA)	0.1 (X) (X) 0.1 0.0 0.0 0.1 0.3 0.0 (X) (X)	0.0 0.2 0.1 0.3 0.1 0.1 0.1 0.2 0.1 0.3 0.1
Food products.  Beverage and tobacco products.  Textiles.  Textile products.  Apparel.  Leather and allied products.  Paper products.  Paper products.  Printing.  Petroleum and coal products.  Chemical products.  Plastics and rubber products.	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	0.1 0.4 0.3 0.5 0.8 0.2 0.3 0.5 0.1	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	(NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	(NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	(x) (x) (x) (x) (x)	0.1 0.2 0.3 0.2 0.4 0.4 0.1 0.3 0.4 0.1

X. Not Applicable
NA Not Available

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

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

3 The twelve month revisions are the difference between the month-to-month percent change of the preliminary and final estimates. The
monthly averages are the simple averages of the absolute values of the differences 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

estimates to 38thpung error cannot be established.

Attrig/loww.census.gov/manufacturing/m3/>.

Source U.S. Census Bureau, Manufacturiers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2019. Information on data sources and methodology can be found on our website at <a href="https://www.census.gov/manufacturing/m3/how\_the\_data\_are\_collected/index.htmb">www.census.gov/manufacturing/m3/how\_the\_data\_are\_collected/index.htmb</a>.

<sup>\*</sup> Not Applicable
\*\*Pretliminary
\*\*Pr