

# MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS OCTOBER 2020

Release Number: CB 20-175 M3-2 (20)-10

**Statement Regarding COVID-19 Impact:** The Census Bureau continues to monitor response and data quality and has determined that estimates in this release meet publication standards. For more information, see < [M3 COVID-19 FAQs](#)>.

**December 4, 2020** — The U.S. Census Bureau announces the October full report on manufacturers' shipments, inventories and orders:

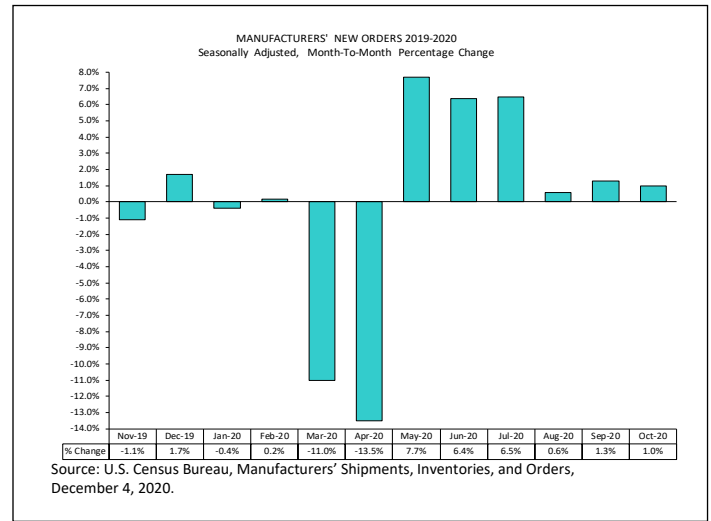


## MANUFACTURED GOODS – NEW ORDERS

<b>OCTOBER 2020</b>	<b>\$480.8 billion</b>	<b>+1.0%°</b>
<b>SEPTEMBER 2020 (revised)</b>	<b>\$475.9 billion</b>	<b>+1.3%°</b>

**Next release: January 6, 2021**

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, December 4, 2020.



## Summary

New orders for manufactured goods in October, up six consecutive months, increased \$4.9 billion or 1.0 percent to \$480.8 billion, the U.S. Census Bureau reported today. This followed a 1.3 percent September increase. Shipments, also up six consecutive months, increased \$4.9 billion or 1.0 percent to \$488.6 billion. This followed a 0.5 percent September increase. Unfilled orders, down seven of the last eight months, decreased \$2.6 billion or 0.2 percent to \$1,073.3 billion. This followed a 0.2 percent September decrease. The unfilled orders-to-shipments ratio was 6.38, down from 6.57 in September. Inventories, up two of the last three months, increased \$1.2 billion or 0.2 percent to \$687.3 billion. This followed a 0.1 percent September decrease. The inventories-to-shipments ratio was 1.41, down from 1.42 in September.

### Data Inquiries

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## **New Orders**

New orders for manufactured durable goods in October, up six consecutive months, increased \$3.2 billion or 1.3 percent to \$241.0 billion, unchanged from the previously published increase. This followed a 2.1 percent September increase. Transportation equipment, up five of the last six months, led the increase, \$1.1 billion or 1.4 percent to \$77.3 billion. New orders for manufactured nondurable goods increased \$1.7 billion or 0.7 percent to \$239.8 billion.

## **Shipments**

Shipments of manufactured durable goods in October, up five of the last six months, increased \$3.2 billion or 1.3 percent to \$248.8 billion, unchanged from the previously published increase. This followed a 0.5 percent September increase. Fabricated metal products, also up five of the last six months, led the increase, \$0.7 billion or 2.4 percent to \$30.9 billion. Shipments of manufactured nondurable goods, up six consecutive months, increased \$1.7 billion or 0.7 percent to \$239.8 billion. This followed a 0.5 percent September increase. Chemical products, up seven of the last eight months, led the increase, \$0.8 billion or 1.1 percent to \$69.4 billion.

## **Unfilled Orders**

Unfilled orders for manufactured durable goods in October, down seven of the last eight months, decreased \$2.6 billion or 0.2 percent to \$1,073.3 billion, up from the previously published 0.3 percent decrease. This followed a 0.2 percent September decrease. Transportation equipment, down eight consecutive months, drove the decrease, \$4.5 billion or 0.6 percent to \$717.1 billion.

## **Inventories**

Inventories of manufactured durable goods in October, up two consecutive months, increased \$1.0 billion or 0.2 percent to \$422.5 billion, down from the previously published 0.3 percent increase. This followed a 0.3 percent September increase. Transportation equipment, up twenty-five of the last twenty-six months, led the increase, \$0.6 billion or 0.4 percent to \$148.1 billion. Inventories of manufactured nondurable goods, up two of the last three months, increased \$0.1 billion or 0.1 percent to \$264.8 billion. This followed a 0.5 percent September decrease. Chemical products, up four of the last five months, drove the increase, \$0.6 billion or 0.6 percent to \$98.4 billion. By stage of fabrication, October materials and supplies increased 0.6 percent in durable goods and decreased 0.2 percent in nondurable goods. Work in process decreased 0.2 percent in durable goods and 1.4 percent in nondurable goods. Finished goods increased 0.4 percent in durable goods and 0.8 percent in nondurable goods.

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The Advance Report on durable goods for November is scheduled for release on December 24, 2020 at 8:30 a.m. EST and the Full Report on January 6, 2021 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)>.

## 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 60 percent of the total value of shipments for manufacturing establishments in the 2017 Economic Census, and these companies include roughly 61 percent of the manufacturing companies with \$500 million or more in shipments in the 2017 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 51 percent of the total value of shipments for manufacturing establishments in the 2017 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

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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 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).

### 2021 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-20	Thu 12/24/2020	Wed 1/6/2021
Dec-20	Wed 1/27/2021	Thu 2/4/2021
Jan-21	Thu 2/25/2021	Thu 3/4/2021
Feb-21	Wed 3/24/2021	Mon 4/5/2021
Mar-21	Mon 4/26/2021	Tue 5/4/2021
Apr-21	Thu 5/27/2021	Fri 6/4/2021
May-21	Thu 6/24/2021	Fri 7/2/2021
Jun-21	Tue 7/27/2021	Tue 8/3/2021
Jul-21	Wed 8/25/2021	Thu 9/2/2021
Aug-21	Mon 9/27/2021	Mon 10/4/2021
Sep-21	Wed 10/27/2021	Wed 11/3/2021
Oct-21	Wed 11/24/2021	Fri 12/3/2021
Nov-21	Thu 12/23/2021	Not available at this time

[https://www.whitehouse.gov/wp-content/uploads/2020/09/pfei\\_schedule\\_release\\_dates\\_2021.pdf](https://www.whitehouse.gov/wp-content/uploads/2020/09/pfei_schedule_release_dates_2021.pdf)

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## 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/)>.

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Oct. 2020 <sup>p</sup>	Sep. 2020 <sup>r</sup>	Aug. 2020	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2020 <sup>p</sup>	Sep. 2020 <sup>f</sup>	Aug. 2020	Oct. 2019	2020 <sup>p</sup>	2019	% Change 2020/2019
All manufacturing industries <sup>2</sup> .....	480,816	475,929	469,802	1.0	1.3	0.6	489,725	492,188	474,787	508,532	4,574,895	4,969,032	-7.9
Excluding transportation <sup>2</sup> .....	403,558	399,721	396,026	1.0	0.9	0.9	411,511	411,736	401,214	422,590	3,930,638	4,128,022	-4.8
Excluding defense <sup>2</sup> .....	467,089	464,859	455,300	0.5	2.1	0.9	478,230	478,177	462,528	492,631	4,438,679	4,828,192	-8.1
With unfilled orders <sup>2</sup> .....	165,564	161,227	157,125	2.7	2.6	1.9	164,404	168,273	155,078	172,301	1,544,581	1,714,228	-9.9
Durable goods industries <sup>2</sup> .....	240,978	237,786	232,933	1.3	2.1	0.4	244,691	249,077	232,954	247,231	2,210,466	2,432,204	-9.1
Primary metals.....	19,442	19,362	18,526	0.4	4.5	1.9	19,474	19,016	18,505	19,486	186,181	202,601	-8.1
Iron and steel mills.....	10,168	10,170	9,278	0.0	9.6	0.9	9,900	9,723	9,300	9,890	94,782	106,454	-11.0
Aluminum and nonferrous metals.....	8,002	8,025	8,008	-0.3	0.2	4.9	8,320	8,170	7,946	8,212	78,620	81,224	-3.2
Ferrous metal foundries.....	1,272	1,167	1,240	9.0	-5.9	-9.0	1,254	1,123	1,259	1,384	12,779	14,923	-14.4
Fabricated metal products.....	31,861	31,137	30,438	2.3	2.3	-0.2	32,254	31,748	31,239	32,646	306,037	322,174	-5.0
Machinery.....	31,683	31,782	31,570	-0.3	0.7	2.6	32,043	32,075	30,673	32,425	310,021	322,218	-3.8
Construction machinery.....	2,676	2,625	2,726	1.9	-3.7	3.1	2,903	2,662	2,573	3,049	26,055	28,204	-7.6
Mining, oil field, and gas field machinery.....	1,087	1,181	1,170	-8.0	0.9	11.5	1,093	1,241	1,146	1,494	11,732	14,053	-16.5
Industrial machinery.....	3,059	3,135	3,148	-2.4	-0.4	2.6	3,174	3,491	3,127	3,164	31,352	29,592	5.9
Photographic equipment.....	528	530	546	-0.4	-2.9	1.1	555	667	509	567	5,361	5,113	4.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,945	4,001	4,179	-1.4	-4.3	-0.3	3,774	4,094	4,225	3,655	39,213	39,916	-1.8
Metalworking machinery.....	2,517	2,606	2,533	-3.4	2.9	1.8	2,585	2,699	2,447	2,838	25,148	26,226	-4.1
Turbines, generators, and other power transmission equipment.....	3,794	3,866	3,670	-1.9	5.3	-1.9	3,942	3,839	3,720	4,428	37,881	41,233	-8.1
Material handling equipment.....	2,922	2,830	2,726	3.3	3.8	6.3	2,929	2,793	2,595	2,875	26,999	28,674	-5.8
Computers and electronic products <sup>2</sup> .....	25,998	25,196	24,864	3.2	1.3	1.2	25,302	28,624	24,022	22,913	240,969	233,645	3.1
Computers.....	593	597	534	-0.7	11.8	-2.0	591	645	605	569	5,476	6,127	-10.6
Nondefense communications equipment.....	4,378	4,008	3,933	9.2	1.9	2.7	3,941	4,881	3,494	2,946	36,192	32,631	10.9
Defense communications equipment.....	246	260	264	-5.4	-1.5	2.7	248	317	258	156	2,370	2,204	7.5
Electronic components.....	4,456	4,432	4,302	0.5	3.0	2.5	4,477	4,627	4,508	4,105	42,602	39,404	8.1
Nondefense search and navigation equipment.....	1,661	1,590	1,617	4.5	-1.7	-2.7	1,700	1,777	1,610	1,756	16,251	16,793	-3.2
Defense search and navigation equipment.....	3,024	2,965	2,875	2.0	3.1	-4.3	2,765	3,392	2,609	2,682	29,266	30,066	-2.7
Electromedical, measuring, and control instruments.....	9,475	9,274	9,190	2.2	0.9	2.9	9,299	10,726	8,842	8,823	89,121	89,678	-0.6
Electrical equipment, appliances, and components.....	10,879	10,784	10,868	0.9	-0.8	0.3	11,238	11,595	10,913	11,407	108,253	110,795	-2.3
Electric lighting equipment.....	940	980	943	-4.1	3.9	-4.1	1,004	1,016	971	1,162	9,632	10,491	-8.2
Household appliances.....	2,174	1,979	2,188	9.9	-9.6	-1.7	2,284	2,379	2,132	2,015	19,867	18,976	4.7
Electrical equipment.....	2,886	2,859	2,927	0.9	-2.3	0.9	2,810	2,935	2,933	3,301	31,071	34,376	-9.6
Transportation equipment.....	77,258	76,208	73,776	1.4	3.3	-0.9	78,214	80,452	73,573	85,942	644,257	841,010	-23.4
Motor vehicle bodies, parts, and trailers.....	28,912	28,868	28,696	0.2	0.6	-1.2	29,912	29,456	29,662	28,675	269,231	283,652	-5.1
Nondefense aircraft and parts <sup>3</sup> .....	2,639	1,902	-3,248	38.7	(NA)	(NA)	1,608	561	-3,820	6,884	-25,165	86,295	-129.2
Defense aircraft and parts.....	2,957	1,649	3,979	79.3	-58.6	-13.8	2,005	2,716	2,994	7,188	34,289	48,917	-29.9
Ships and boats.....	2,644	2,738	3,123	-3.4	-12.3	-16.1	2,089	2,288	2,282	2,754	29,501	29,227	0.9
Furniture and related products.....	6,610	6,637	6,654	-0.4	-0.3	-0.6	6,832	6,723	6,773	6,902	65,908	66,829	-1.4
Nondurable goods industries.....	239,838	238,143	236,869	0.7	0.5	0.8	245,034	243,111	241,833	261,301	2,364,429	2,536,828	-6.8

<sup>p</sup> Preliminary

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

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

<sup>2</sup> Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

<sup>3</sup> (NA) - New Orders month-to-month percent change is not provided for Nondefense aircraft and parts because the denominator has a negative value.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting.

Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 4, 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 October 2020/ 2019
	Oct. 2020 <sup>p</sup>	Sep. 2020 <sup>r</sup>	Aug. 2020	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2020 <sup>p</sup>	Sep. 2020 <sup>r</sup>	Aug. 2020	Oct. 2019	
All manufacturing industries <sup>2</sup> .....	1,073,292	1,075,902	1,078,431	-0.2	-0.2	-0.6	1,064,235	1,070,616	1,074,998	1,140,226	-6.7
Excluding transportation <sup>2</sup> .....	356,205	354,358	351,262	0.5	0.9	0.4	353,044	352,023	350,254	347,142	1.7
Excluding defense <sup>2</sup> .....	855,172	857,061	856,869	-0.2	0.0	-0.8	849,321	852,774	855,977	930,943	-8.8
Durable goods industries <sup>2</sup> .....	1,073,292	1,075,902	1,078,431	-0.2	-0.2	-0.6	1,064,235	1,070,616	1,074,998	1,140,226	-6.7
Primary metals.....	32,524	31,832	30,830	2.2	3.3	0.6	31,473	30,953	30,497	30,035	4.8
Iron and steel mills.....	14,293	13,691	12,868	4.4	6.4	0.7	13,539	13,335	12,922	13,171	2.8
Aluminum and nonferrous metals.....	12,666	12,636	12,504	0.2	1.1	0.7	12,451	12,199	12,096	12,187	2.2
Ferrous metal foundries.....	5,565	5,505	5,458	1.1	0.9	-0.1	5,483	5,419	5,479	4,677	17.2
Fabricated metal products.....	75,401	74,404	73,403	1.3	1.4	0.6	74,617	74,328	74,070	74,093	0.7
Machinery.....	98,617	98,409	97,661	0.2	0.8	0.4	97,803	97,670	97,360	95,843	2.0
Construction machinery.....	5,489	5,458	5,388	0.6	1.3	3.1	5,271	5,245	5,079	5,476	-3.7
Mining, oil field, and gas field machinery.....	3,850	3,860	3,740	-0.3	3.2	2.8	3,850	3,860	3,740	4,171	-7.7
Industrial machinery.....	8,452	8,546	8,550	-1.1	0.0	-0.5	8,394	8,373	8,437	8,728	-3.8
Photographic equipment.....	862	893	940	-3.5	-5.0	-3.8	883	879	884	1,132	-22.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,265	7,351	7,324	-1.2	0.4	1.7	7,112	7,205	7,251	6,671	6.6
Metalworking machinery.....	8,487	8,479	8,356	0.1	1.5	0.8	8,400	8,488	8,432	7,976	5.3
Turbines, generators, and other power transmission equipment.....	23,363	23,413	23,351	-0.2	0.3	-0.6	23,363	23,413	23,351	23,875	-2.1
Material handling equipment.....	11,347	11,172	11,063	1.6	1.0	0.5	11,200	11,124	11,098	10,751	4.2
Computers and electronic products <sup>2</sup> .....	118,798	118,704	118,631	0.1	0.1	0.0	118,438	118,297	117,832	117,957	0.4
Computers.....	1,863	1,856	1,835	0.4	1.1	-1.0	1,863	1,856	1,835	1,973	-5.6
Nondefense communications equipment.....	24,963	24,976	24,939	-0.1	0.1	0.3	24,996	24,829	24,840	24,620	1.5
Defense communications equipment.....	623	653	670	-4.6	-2.5	-4.0	621	665	671	913	-32.0
Electronic components.....	14,455	14,448	14,427	0.0	0.1	-0.7	14,340	14,230	14,182	14,474	-0.9
Nondefense search and navigation equipment.....	22,393	22,283	22,204	0.5	0.4	0.5	22,532	22,317	22,209	21,571	4.5
Defense search and navigation equipment.....	30,567	30,615	30,697	-0.2	-0.3	-0.3	30,392	30,627	30,504	30,924	-1.7
Electromedical, measuring, and control instruments.....	23,934	23,873	23,859	0.3	0.1	0.1	23,694	23,773	23,591	23,482	0.9
Electrical equipment, appliances, and components.....	22,222	22,352	22,127	-0.6	1.0	1.2	22,086	22,179	22,014	20,974	5.3
Electric lighting equipment.....	1,646	1,656	1,652	-0.6	0.2	-1.7	1,663	1,663	1,653	1,720	-3.3
Household appliances.....	2,135	2,203	2,145	-3.1	2.7	6.9	2,266	2,291	2,082	1,544	46.8
Electrical equipment.....	8,656	8,648	8,644	0.1	0.0	0.7	8,487	8,458	8,646	8,480	0.1
Transportation equipment.....	717,087	721,544	727,169	-0.6	-0.8	-1.1	711,191	718,593	724,744	793,084	-10.3
Motor vehicle bodies, parts, and trailers.....	21,207	21,217	21,163	0.0	0.3	0.7	20,277	20,852	20,671	19,447	4.3
Nondefense aircraft and parts.....	477,602	481,274	484,479	-0.8	-0.7	-1.7	475,684	479,754	484,946	565,709	-15.9
Defense aircraft and parts.....	80,620	81,869	83,962	-1.5	-2.5	-0.1	78,985	81,157	82,676	83,053	-4.9
Ships and boats.....	49,874	49,881	49,838	0.0	0.1	0.8	48,214	48,789	49,243	41,259	16.9
Furniture and related products.....	8,144	8,145	8,039	0.0	1.3	1.2	8,128	8,084	7,910	7,657	6.2

<sup>p</sup> Preliminary

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

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

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

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 4, 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 October 2020/ 2019
	Oct. 2020 <sup>p</sup>	Sep. 2020 <sup>r</sup>	Aug. 2020	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2020 <sup>p</sup>	Sep. 2020 <sup>r</sup>	Aug. 2020	Oct. 2019	
All manufacturing industries.....	687,258	686,099	686,479	0.2	-0.1	0.0	690,258	686,179	689,884	699,686	-1.3
Excluding transportation.....	539,181	538,599	539,610	0.1	-0.2	-0.1	540,737	537,782	541,889	560,207	-3.5
Excluding defense.....	661,608	660,373	660,994	0.2	-0.1	0.0	664,663	660,427	664,290	674,215	-1.4
With unfilled orders.....	344,713	344,582	343,267	0.0	0.4	-0.1	345,172	344,929	346,021	342,208	0.9
Durable goods industries.....	422,460	421,434	420,373	0.2	0.3	-0.1	422,909	421,540	423,444	421,189	0.4
Wood products.....	12,141	11,916	11,780	1.9	1.2	1.2	12,083	11,660	11,593	11,870	1.8
Nonmetallic mineral products.....	13,977	14,009	14,031	-0.2	-0.2	-0.7	13,626	13,816	13,964	14,198	-4.0
Primary metals.....	33,624	33,544	33,120	0.2	1.3	-0.6	33,286	33,380	33,210	35,107	-5.2
Iron and steel mills.....	18,274	18,343	18,227	-0.4	0.6	-1.7	18,079	18,321	18,317	19,657	-8.0
Aluminum and nonferrous metals.....	13,283	13,122	12,816	1.2	2.4	1.1	13,171	13,046	12,840	13,247	-0.6
Ferrous metal foundries.....	2,067	2,079	2,077	-0.6	0.1	-0.4	2,036	2,013	2,053	2,203	-7.6
Fabricated metal products.....	51,220	51,023	51,174	0.4	-0.3	-0.5	50,907	50,990	51,382	53,345	-4.6
Machinery.....	68,863	68,916	68,916	-0.1	0.0	-0.8	68,701	69,276	69,655	72,143	-4.8
Farm machinery.....	3,719	3,642	3,645	2.1	-0.1	-0.8	3,600	3,507	3,526	3,843	-6.3
Construction machinery.....	5,938	5,927	5,994	0.2	-1.1	-1.1	5,967	6,007	6,030	6,455	-7.6
Mining, oil field, and gas field machinery.....	4,610	4,680	4,727	-1.5	-1.0	-2.8	4,666	4,712	4,785	5,497	-15.1
Industrial machinery.....	9,846	9,786	9,760	0.6	0.3	-0.3	9,687	10,152	9,998	9,094	6.5
Photographic equipment.....	1,422	1,411	1,414	0.8	-0.2	-0.9	1,441	1,409	1,457	1,489	-3.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,116	5,024	4,857	1.8	3.4	-2.3	4,924	4,836	4,875	5,579	-11.7
Metalworking machinery.....	5,720	5,723	5,790	-0.1	-1.2	-1.9	5,777	5,764	5,877	6,336	-8.8
Turbines, generators, and other power transmission equipment.....	9,017	9,196	9,259	-1.9	-0.7	-0.4	9,057	9,186	9,450	9,762	-7.2
Material handling equipment.....	4,707	4,744	4,753	-0.8	-0.2	-0.9	4,811	4,893	4,843	5,297	-9.2
Computers and electronic products <sup>2</sup> .....	43,549	43,518	43,598	0.1	-0.2	-0.9	43,698	43,309	44,168	43,942	-0.6
Computers.....	1,857	1,818	1,849	2.1	-1.7	0.0	1,825	1,895	1,938	1,776	2.8
Computer storage devices.....	959	978	972	-1.9	0.6	1.7	1,018	1,001	1,004	1,014	0.4
Other peripheral equipment.....	1,053	1,054	1,044	-0.1	1.0	-0.6	1,040	1,026	1,063	1,033	0.7
Nondefense communications equipment.....	4,609	4,652	4,597	-0.9	1.2	0.5	4,668	4,601	4,734	4,583	1.9
Defense communications equipment.....	682	673	666	1.3	1.1	-0.6	682	673	666	666	2.4
Audio and video equipment.....	455	488	490	-6.8	-0.4	-5.2	497	536	520	665	-25.3
Electronic components.....	7,317	7,363	7,445	-0.6	-1.1	-4.4	7,193	7,209	7,297	7,725	-6.9
Nondefense search and navigation equipment.....	2,924	2,934	2,937	-0.3	-0.1	0.2	2,980	2,942	2,977	2,928	1.8
Defense search and navigation equipment.....	2,699	2,695	2,686	0.1	0.3	0.4	2,681	2,625	2,714	2,668	0.5
Electromedical, measuring and control instruments.....	15,406	15,430	15,439	-0.2	-0.1	-0.2	15,494	15,336	15,718	15,148	2.3
Electrical equipment, appliances, and components.....	19,677	19,755	19,696	-0.4	0.3	-0.3	19,596	19,422	19,899	19,833	-1.2
Electric lighting equipment.....	2,007	2,005	2,002	0.1	0.1	-0.8	1,996	2,002	2,015	2,077	-3.9
Household appliances.....	2,400	2,462	2,353	-2.5	4.6	-0.4	2,437	2,422	2,435	2,750	-11.4
Electrical equipment.....	6,289	6,362	6,484	-1.1	-1.9	0.2	6,210	6,034	6,473	6,292	-1.3
Batteries.....	1,879	1,852	1,830	1.5	1.2	-0.8	1,869	1,914	1,941	1,824	2.5
Transportation equipment.....	148,077	147,500	146,869	0.4	0.4	0.6	149,521	148,397	147,995	139,479	7.2
Automobiles.....	5,491	5,376	5,571	2.1	-3.5	-1.9	5,636	5,500	5,690	6,116	-7.8
Light trucks and utility vehicles.....	5,087	4,796	5,082	6.1	-5.6	-0.9	5,289	4,982	5,260	5,624	-6.0
Heavy duty trucks.....	2,016	1,984	1,962	1.6	1.1	6.8	1,963	1,905	1,936	1,907	2.9
Motor vehicle bodies, parts, and trailers.....	26,541	26,522	26,416	0.1	0.4	-0.3	26,544	26,528	26,559	26,753	-0.8
Nondefense aircraft and parts.....	79,151	79,070	78,381	0.1	0.9	0.8	80,162	79,565	78,660	70,152	14.3
Defense aircraft and parts.....	12,446	12,436	12,431	0.1	0.0	0.8	12,462	12,418	12,456	12,160	2.5
Ships and boats.....	4,293	4,362	4,253	-1.6	2.6	2.5	4,247	4,479	4,333	4,411	-3.7
Furniture and related products.....	7,137	7,161	7,107	-0.3	0.8	-0.2	7,082	7,101	7,190	7,448	-4.9
Miscellaneous durable goods.....	24,195	24,092	24,082	0.4	0.0	-0.2	24,409	24,189	24,388	23,824	2.5
Nondurable goods industries.....	264,798	264,665	266,106	0.1	-0.5	0.3	267,349	264,639	266,440	278,497	-4.0
Food products.....	54,785	54,576	54,574	0.4	0.0	0.0	57,820	55,226	54,964	58,231	-0.7
Grain and oilseed milling.....	5,313	5,338	5,269	-0.5	1.3	-0.1	5,649	5,158	5,180	5,462	3.4
Dairy products.....	8,589	8,490	8,467	1.2	0.3	-0.2	8,492	8,523	8,595	8,270	2.7
Meat, poultry, and seafood products.....	9,354	9,306	9,302	0.5	0.0	1.0	9,549	9,327	9,386	10,181	-6.2
Beverage and tobacco products.....	25,134	25,263	25,502	-0.5	-0.9	-0.7	25,482	25,077	24,863	26,164	-2.6
Beverages.....	21,409	21,503	21,661	-0.4	-0.7	-0.6	21,675	21,464	21,297	21,998	-1.5
Tobacco.....	3,725	3,760	3,841	-0.9	-2.1	-1.6	3,807	3,613	3,566	4,166	-8.6
Textile mills.....	3,029	3,032	3,054	-0.1	-0.7	-0.2	3,025	3,043	3,074	3,210	-5.8
Textile products.....	3,701	3,703	3,711	-0.1	-0.2	-0.7	3,687	3,717	3,713	3,949	-6.6
Apparel.....	1,790	1,793	1,798	-0.2	-0.3	-1.3	1,846	1,845	1,896	1,925	-4.1
Leather and allied products.....	807	810	826	-0.4	-1.9	-2.1	797	809	832	858	-7.1
Paper products.....	15,034	15,056	15,119	-0.1	-0.4	-0.3	14,830	15,027	15,224	15,061	-1.5
Pulp, paper, and paperboard mills.....	5,458	5,497	5,574	-0.7	-1.4	-1.4	5,329	5,437	5,574	5,648	-5.6
Paperboard containers.....	5,409	5,405	5,417	0.1	-0.2	0.8	5,365	5,400	5,464	5,313	1.0
Printing.....	5,641	5,637	5,684	0.1	-0.8	0.2	5,772	5,686	5,703	5,803	-0.5
Petroleum and coal products.....	30,175	30,753	32,596	-1.9	-5.7	1.2	30,074	31,206	32,822	38,890	-22.7
Petroleum refineries.....	24,919	25,494	27,279	-2.3	-6.5	2.1	24,970	26,007	27,474	33,169	-24.7
Chemical products.....	98,399	97,796	97,076	0.6	0.7	0.7	97,910	96,854	97,332	97,176	0.8
Pesticides, fertilizers, and other agricultural chemicals.....	5,687	5,593	5,513	1.7	1.5	0.7	5,389	5,194	5,252	5,285	2.0
Pharmaceuticals and medicines.....	46,911	46,540	46,068	0.8	1.0	1.0	47,047	46,456	46,383	45,012	4.5
Paints, coatings, and adhesives.....	3,853	3,835	3,857	0.5	-0.6	0.7	3,747	3,750	3,779	3,939	-4.9
Plastics and rubber products.....	26,303	26,246	26,166	0.2	0.3	-0.1	26,106	26,149	26,017	27,230	-4.1

<sup>p</sup> Preliminary

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

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

<sup>2</sup> Estimates of inventories for the semiconductor industry data are included in computers and electronic products, and all other applicable aggregate totals.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 4, 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>
	Oct. 2020 <sup>p</sup>	Sep. 2020 <sup>f</sup>	Aug. 2020	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2020 <sup>p</sup>	Sep. 2020 <sup>f</sup>	Aug. 2020	Oct. 2019	2020 <sup>p</sup>	2019	
<b>SHIPMENTS</b>													
All manufacturing industries.....	488,600	483,743	481,216	1.0	0.5	0.3	501,929	502,538	491,215	516,737	4,702,406	5,041,761	-6.7
Construction materials and supplies.....	53,353	52,798	52,270	1.1	1.0	0.7	56,371	55,370	55,742	55,829	521,154	527,637	-1.2
Information technology.....	26,182	25,327	25,002	3.4	1.3	0.9	25,675	28,518	24,721	23,319	242,603	236,732	2.5
Computers and related products.....	1,910	1,807	1,875	5.7	-3.6	0.8	1,826	2,038	1,886	1,588	17,633	16,381	7.6
Motor vehicle and parts.....	60,117	62,052	61,290	-3.1	1.2	-4.5	64,527	64,860	63,530	62,899	522,425	609,549	-14.3
Capital goods.....	85,804	82,758	82,340	3.7	0.5	2.7	85,639	89,155	81,203	84,437	808,651	853,341	-5.2
Nondefense capital goods <sup>3</sup> .....	73,276	70,628	70,170	3.7	0.7	3.3	73,055	75,909	69,273	72,365	687,680	733,381	-6.2
Excluding aircraft.....	69,444	67,814	67,308	2.4	0.8	1.6	69,767	72,537	66,593	66,748	655,108	661,413	-1.0
Defense capital goods <sup>4</sup> .....	12,528	12,130	12,170	3.3	-0.3	-0.6	12,584	13,246	11,930	12,072	120,971	119,960	0.8
Consumer goods.....	200,888	201,942	201,059	-0.5	0.4	-0.5	207,584	208,143	205,508	220,252	1,919,984	2,125,940	-9.7
Consumer durable goods.....	42,596	44,309	44,147	-3.9	0.4	-5.4	45,824	46,975	45,308	44,806	363,234	431,355	-15.8
Consumer nondurable goods.....	158,292	157,633	156,912	0.4	0.5	1.0	161,760	161,168	160,200	175,446	1,556,750	1,694,585	-8.1
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	480,816	475,929	469,802	1.0	1.3	0.6	489,725	492,188	474,787	508,532	4,574,895	4,969,032	-7.9
Construction materials and supplies.....	53,727	53,327	52,719	0.8	1.2	1.4	56,161	55,396	55,612	54,850	521,266	528,374	-1.3
Information technology.....	26,178	25,491	25,146	2.7	1.4	1.0	25,613	29,064	24,088	23,412	244,044	238,874	2.2
Computers and related products.....	1,917	1,828	1,857	4.9	-1.6	0.4	1,833	2,059	1,868	1,615	17,488	16,363	6.9
Motor vehicle and parts.....	60,107	62,106	61,432	-3.2	1.1	-4.1	63,952	65,041	63,754	62,077	521,954	607,093	-14.0
Capital goods.....	83,255	80,998	76,601	2.8	5.7	5.5	81,229	85,686	72,575	83,806	736,827	831,417	-11.4
Nondefense capital goods <sup>3</sup> .....	70,512	70,641	63,333	-0.2	11.5	8.3	70,426	73,153	61,111	70,138	612,521	709,609	-13.7
Excluding aircraft.....	70,064	69,507	68,184	0.8	1.9	2.4	70,407	73,718	66,222	66,694	662,530	661,265	0.2
Defense capital goods <sup>4</sup> .....	12,743	10,357	13,268	23.0	-21.9	-6.0	10,803	12,533	11,464	13,668	124,306	121,808	2.1
Consumer goods.....	200,838	201,991	201,259	-0.6	0.4	-0.5	207,611	208,396	205,624	220,330	1,921,065	2,126,392	-9.7
Consumer durable goods.....	42,546	44,358	44,347	-4.1	0.0	-5.4	45,851	47,228	45,424	44,884	364,315	431,807	-15.6
Consumer nondurable goods.....	158,292	157,633	156,912	0.4	0.5	1.0	161,760	161,168	160,200	175,446	1,556,750	1,694,585	-8.1
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	1,073,292	1,075,902	1,078,431	-0.2	-0.2	-0.6	1,064,235	1,070,616	1,074,998	1,140,226	(X)	(X)	-6.7
Construction materials and supplies.....	51,920	51,546	51,017	0.7	1.0	0.9	51,229	51,439	51,413	52,432	(X)	(X)	-2.3
Information technology.....	114,990	114,994	114,830	0.0	0.1	0.1	114,651	114,713	114,167	113,845	(X)	(X)	0.7
Computers and related products.....	1,863	1,856	1,835	0.4	1.1	-1.0	1,863	1,856	1,835	1,973	(X)	(X)	-5.6
Motor vehicle and parts.....	21,207	21,217	21,163	0.0	0.3	0.7	20,277	20,852	20,671	19,447	(X)	(X)	4.3
Capital goods.....	770,992	773,541	775,301	-0.3	-0.2	-0.7	766,449	770,859	774,328	844,094	(X)	(X)	-9.2
Nondefense capital goods <sup>3</sup> .....	591,284	594,048	594,035	-0.5	0.0	-1.1	589,505	592,134	594,890	676,526	(X)	(X)	-12.9
Excluding aircraft.....	220,629	220,009	218,316	0.3	0.8	0.4	219,556	218,916	217,735	213,267	(X)	(X)	2.9
Defense capital goods <sup>4</sup> .....	179,708	179,493	181,266	0.1	-1.0	0.6	176,944	178,725	179,438	167,568	(X)	(X)	5.6
Consumer goods.....	5,619	5,669	5,620	-0.9	0.9	3.7	5,771	5,744	5,491	4,671	(X)	(X)	23.5
Consumer durable goods.....	5,619	5,669	5,620	-0.9	0.9	3.7	5,771	5,744	5,491	4,671	(X)	(X)	23.5
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	687,258	686,099	686,479	0.2	-0.1	0.0	690,258	686,179	689,884	699,686	(X)	(X)	-1.3
Construction materials and supplies.....	69,204	68,697	68,576	0.7	0.2	-0.4	68,256	68,145	68,464	71,297	(X)	(X)	-4.3
Information technology.....	39,321	39,357	39,269	-0.1	0.2	-0.1	39,565	39,244	39,974	39,019	(X)	(X)	1.4
Computers and related products.....	3,869	3,850	3,865	0.5	-0.4	0.3	3,883	3,922	4,005	3,823	(X)	(X)	1.6
Motor vehicle and parts.....	39,135	38,678	39,031	1.2	-0.9	-0.3	39,432	38,915	39,445	40,400	(X)	(X)	-2.4
Capital goods.....	214,967	215,026	214,291	0.0	0.3	0.2	216,279	215,619	216,468	208,653	(X)	(X)	3.7
Nondefense capital goods <sup>3</sup> .....	193,514	193,515	193,031	0.0	0.3	0.1	194,897	194,064	195,124	187,363	(X)	(X)	4.0
Excluding aircraft.....	127,002	127,130	127,349	-0.1	-0.2	-0.3	127,177	127,218	129,012	128,853	(X)	(X)	-1.3
Defense capital goods <sup>4</sup> .....	21,453	21,511	21,260	-0.3	1.2	0.9	21,382	21,555	21,344	21,290	(X)	(X)	0.4
Consumer goods.....	201,291	201,042	203,023	0.1	-1.0	0.1	205,357	202,397	204,107	215,431	(X)	(X)	-4.7
Consumer durable goods.....	30,960	30,575	30,857	1.3	-0.9	-0.8	31,528	30,934	31,460	33,161	(X)	(X)	-4.9
Consumer nondurable goods.....	170,331	170,467	172,166	-0.1	-1.0	0.3	173,829	171,463	172,647	182,270	(X)	(X)	-4.6

<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, October Full Report, December 4, 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 October 2020/ 2019
	Oct. 2020 <sup>p</sup>	Sep. 2020 <sup>r</sup>	Aug. 2020	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2020 <sup>p</sup>	Sep. 2020 <sup>r</sup>	Aug. 2020	Oct. 2019	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	235,081	234,404	236,195	0.3	-0.8	-0.3	235,636	234,549	236,618	238,175	-1.1
Durable goods industries.....	144,703	143,854	144,807	0.6	-0.7	-0.5	145,000	144,792	145,869	145,444	-0.3
Wood products.....	5,582	5,416	5,403	3.1	0.2	1.1	5,666	5,486	5,428	5,443	4.1
Nonmetallic mineral products.....	5,661	5,707	5,742	-0.8	-0.6	-1.0	5,622	5,696	5,748	5,651	-0.5
Primary metals.....	12,300	12,259	12,565	0.3	-2.4	0.9	12,389	12,331	12,624	13,215	-6.3
Fabricated metal products.....	19,078	18,952	19,133	0.7	-0.9	-0.7	19,100	19,237	19,328	20,187	-5.4
Machinery.....	27,077	27,114	27,357	-0.1	-0.9	-0.9	27,096	27,374	27,600	28,436	-4.7
Computers and electronic products.....	19,900	19,843	19,967	0.3	-0.6	0.5	20,035	19,837	20,115	19,507	2.7
Electrical equipment, appliances, and components.....	8,741	8,773	8,742	-0.4	0.4	-1.0	8,691	8,616	8,818	8,429	3.1
Transportation equipment.....	34,796	34,313	34,462	1.4	-0.4	-1.1	34,841	34,729	34,590	33,233	4.8
Furniture and related products.....	3,482	3,472	3,445	0.3	0.8	-0.9	3,467	3,447	3,476	3,556	-2.5
Miscellaneous products.....	8,086	8,005	7,991	1.0	0.2	-0.2	8,093	8,039	8,142	7,787	3.9
Nondurable goods industries.....	90,378	90,550	91,388	-0.2	-0.9	0.0	90,636	89,757	90,749	92,731	-2.3
Food products.....	19,464	19,618	19,745	-0.8	-0.6	-0.4	20,294	19,447	19,519	20,513	-1.1
Beverage and tobacco products.....	5,525	5,594	5,663	-1.2	-1.2	-1.8	5,581	5,463	5,371	5,937	-6.0
Textiles.....	1,127	1,125	1,131	0.2	-0.5	-0.9	1,115	1,125	1,143	1,159	-3.8
Textile products.....	1,195	1,189	1,185	0.5	0.3	-0.6	1,182	1,193	1,188	1,223	-3.4
Apparel.....	557	556	554	0.2	0.4	-0.4	565	559	567	568	-0.5
Leather and allied products.....	271	273	279	-0.7	-2.2	0.0	267	275	284	275	-2.9
Paper products.....	7,604	7,605	7,600	0.0	0.1	0.0	7,522	7,629	7,640	7,516	0.1
Printing.....	2,654	2,668	2,692	-0.5	-0.9	-0.2	2,679	2,687	2,701	2,720	-1.5
Petroleum and coal products.....	9,433	9,611	10,598	-1.9	-9.3	3.0	9,141	9,493	10,387	10,801	-15.4
Chemical products.....	31,903	31,637	31,157	0.8	1.5	-0.2	31,678	31,194	31,187	31,361	1.0
Plastics and rubber products.....	10,645	10,674	10,784	-0.3	-1.0	-0.3	10,612	10,692	10,762	10,658	-0.4
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	207,532	208,438	206,401	-0.4	1.0	0.5	209,257	208,031	207,151	205,648	1.8
Durable goods industries.....	161,900	162,145	159,587	-0.2	1.6	0.6	162,472	162,027	160,785	153,658	5.7
Wood products.....	1,986	1,986	1,978	0.0	0.4	-0.1	1,972	1,954	1,964	1,707	15.5
Nonmetallic mineral products.....	1,399	1,393	1,384	0.4	0.7	0.9	1,335	1,363	1,368	1,383	-3.5
Primary metals.....	9,527	9,329	8,984	2.1	3.8	1.4	9,486	9,250	9,130	10,247	-7.4
Fabricated metal products.....	12,759	12,773	12,823	-0.1	-0.4	-0.8	12,792	12,774	12,862	13,721	-6.8
Machinery.....	19,617	19,688	19,337	-0.4	1.8	-0.2	19,678	19,916	19,872	19,691	-0.1
Computers and electronic products.....	12,496	12,432	12,316	0.5	0.9	-2.1	12,252	12,099	12,310	12,193	0.5
Electrical equipment, appliances, and components.....	4,186	4,203	4,197	-0.4	0.1	0.6	4,139	4,115	4,235	4,105	0.8
Transportation equipment.....	94,938	95,361	93,663	-0.4	1.8	1.3	95,800	95,569	94,072	85,713	11.8
Furniture and related products.....	1,156	1,167	1,110	-0.9	5.1	-0.8	1,135	1,162	1,117	1,157	-1.9
Miscellaneous products.....	3,836	3,813	3,795	0.6	0.5	-0.7	3,883	3,825	3,855	3,741	3.8
Nondurable goods industries.....	45,632	46,293	46,814	-1.4	-1.1	0.1	46,785	46,004	46,366	51,990	-10.0
Food products.....	4,645	4,848	4,956	-4.2	-2.2	1.2	5,346	4,549	4,543	5,141	4.0
Beverage and tobacco products.....	8,841	8,943	9,060	-1.1	-1.3	-0.8	9,059	8,880	8,645	9,520	-4.8
Textiles.....	579	579	574	0.0	0.9	-2.7	584	587	582	633	-7.7
Textile products.....	328	330	332	-0.6	-0.6	-0.6	330	335	332	381	-13.4
Apparel.....	288	289	289	-0.3	0.0	-0.3	292	295	302	327	-10.7
Leather and allied products.....	85	84	83	1.2	1.2	-5.7	85	85	85	97	-12.4
Paper products.....	1,436	1,404	1,411	2.3	-0.5	0.4	1,428	1,406	1,444	1,434	-0.4
Printing.....	1,230	1,217	1,230	1.1	-1.1	1.8	1,308	1,257	1,248	1,270	3.0
Petroleum and coal products.....	6,353	6,550	6,943	-3.0	-5.7	-2.1	6,515	6,737	7,204	10,624	-38.7
Chemical products.....	18,708	18,893	18,892	-1.0	0.0	1.0	18,680	18,712	18,951	19,449	-4.0
Plastics and rubber products.....	3,139	3,156	3,044	-0.5	3.7	0.7	3,158	3,161	3,030	3,114	1.4
<b>FINISHED GOODS</b>											
All manufacturing industries.....	244,645	243,257	243,883	0.6	-0.3	-0.1	245,365	243,599	246,115	255,863	-4.1
Durable goods industries.....	115,857	115,435	115,979	0.4	-0.5	-0.7	115,437	114,721	116,790	122,087	-5.4
Wood products.....	4,573	4,514	4,399	1.3	2.6	1.9	4,445	4,220	4,201	4,720	-5.8
Nonmetallic mineral products.....	6,917	6,909	6,905	0.1	0.1	-0.7	6,669	6,757	6,848	7,164	-6.9
Primary metals.....	11,797	11,956	11,571	-1.3	3.3	-3.5	11,411	11,799	11,456	11,645	-2.0
Fabricated metal products.....	19,383	19,298	19,218	0.4	0.4	-0.1	19,015	18,979	19,192	19,437	-2.2
Machinery.....	22,169	22,114	22,222	0.2	-0.5	-1.3	21,927	21,986	22,183	24,016	-8.7
Computers and electronic products.....	11,153	11,243	11,315	-0.8	-0.6	-1.9	11,411	11,373	11,743	12,242	-6.8
Electrical equipment, appliances, and components.....	6,750	6,779	6,757	-0.4	0.3	0.2	6,766	6,691	6,846	7,299	-7.3
Transportation equipment.....	18,343	17,826	18,744	2.9	-4.9	0.2	18,880	18,099	19,333	20,533	-8.1
Furniture and related products.....	2,499	2,522	2,552	-0.9	-1.2	1.1	2,480	2,492	2,597	2,735	-9.3
Miscellaneous products.....	12,273	12,274	12,296	0.0	-0.2	0.0	12,433	12,325	12,391	12,296	1.1
Nondurable goods industries.....	128,788	127,822	127,904	0.8	-0.1	0.5	129,928	128,878	129,325	133,776	-2.9
Food products.....	30,676	30,110	29,873	1.9	0.8	0.0	32,180	31,230	30,902	32,577	-1.2
Beverage and tobacco products.....	10,768	10,726	10,779	0.4	-0.5	0.0	10,842	10,734	10,847	10,707	1.3
Textiles.....	1,323	1,328	1,349	-0.4	-1.6	1.4	1,326	1,331	1,349	1,418	-6.5
Textile products.....	2,178	2,184	2,194	-0.3	-0.5	-0.8	2,175	2,189	2,193	2,345	-7.2
Apparel.....	945	948	955	-0.3	-0.7	-2.1	989	991	1,027	1,030	-4.0
Leather and allied products.....	451	453	464	-0.4	-2.4	-2.7	445	449	463	486	-8.4
Paper products.....	5,994	6,047	6,108	-0.9	-1.0	-0.8	5,880	5,992	6,140	6,111	-3.8
Printing.....	1,757	1,752	1,762	0.3	-0.6	-0.3	1,785	1,742	1,754	1,813	-1.5
Petroleum and coal products.....	14,389	14,592	15,055	-1.4	-3.1	1.5	14,418	14,976	15,231	17,465	-17.4
Chemical products.....	47,788	47,266	47,027	1.1	0.5	1.2	47,552	46,948	47,194	46,366	2.6
Plastics and rubber products.....	12,519	12,416	12,338	0.8	0.6	-0.3	12,336	12,296	12,225	13,458	-8.3

<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.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 4, 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>			
	Oct 2020 <sup>0</sup>	Sep 2020 <sup>1</sup>	Aug 2020	Jul 2020	Oct 2020 <sup>0</sup>	Sep 2020 <sup>1</sup>	Aug 2020	Jul 2020
All manufacturing industries <sup>3</sup> .....	1.41	1.42	1.43	1.43	(X)	(X)	(X)	(X)
Durable goods industries <sup>3</sup> .....	1.70	1.72	1.72	1.72	6.38	6.57	6.60	6.69
Wood products.....	1.19	1.19	1.21	1.23	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.17	1.19	1.20	1.20	(X)	(X)	(X)	(X)
Primary metals.....	1.79	1.83	1.80	1.84	1.73	1.73	1.68	1.69
Fabricated metal products.....	1.66	1.69	1.70	1.70	2.52	2.54	2.52	2.50
Machinery.....	2.19	2.22	2.21	2.27	3.49	3.53	3.49	3.53
Computers and electronic products <sup>3</sup> .....	1.40	1.43	1.46	1.48	5.00	5.15	5.22	5.28
Electrical equipment, appliances, and components.....	1.79	1.87	1.86	1.86	2.17	2.28	2.25	2.22
Transportation equipment.....	1.81	1.80	1.80	1.76	14.19	14.85	14.91	15.28
Furniture and related products.....	1.08	1.10	1.08	1.07	1.38	1.39	1.38	1.35
Miscellaneous products.....	1.59	1.62	1.63	1.65	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.10	1.11	1.12	1.13	(X)	(X)	(X)	(X)
Food products.....	0.80	0.81	0.81	0.81	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.87	1.83	1.89	1.93	(X)	(X)	(X)	(X)
Textiles.....	1.37	1.38	1.41	1.45	(X)	(X)	(X)	(X)
Textile products.....	2.01	1.97	2.02	2.12	(X)	(X)	(X)	(X)
Apparel.....	2.06	2.04	2.14	2.09	(X)	(X)	(X)	(X)
Leather and allied products.....	1.86	1.85	1.89	2.02	(X)	(X)	(X)	(X)
Paper products.....	0.90	0.92	0.92	0.93	(X)	(X)	(X)	(X)
Printing.....	0.80	0.81	0.83	0.81	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.76	0.78	0.82	0.85	(X)	(X)	(X)	(X)
Chemical products.....	1.42	1.43	1.42	1.42	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.32	1.32	1.32	1.34	(X)	(X)	(X)	(X)

<sup>0</sup> Not Applicable

<sup>1</sup> Preliminary

<sup>2</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>3</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>4</sup> Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 4, 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	
	Oct <sup>2</sup> 2020	Oct <sup>3</sup> 2019-Sep 2020	Oct <sup>2</sup> 2020	Oct <sup>3</sup> 2019-Sep 2020	Oct <sup>2</sup> 2020	Oct <sup>3</sup> 2019-Sep 2020	Oct <sup>2</sup> 2020	Oct <sup>3</sup> 2019-Sep 2020
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
Durable goods industries.....	0.0	0.2	0.0	0.6	0.1	0.1	-0.1	0.1
Wood products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.2	0.4	0.0	0.6	0.2	0.2	0.0	0.2
Fabricated metal products.....	0.0	0.7	0.0	1.0	0.0	0.2	-0.2	0.2
Machinery.....	0.2	0.5	0.3	0.7	0.0	0.1	0.0	0.2
Computers and electronic products.....	0.1	0.3	0.1	0.3	0.0	0.1	-0.1	0.2
Electrical equipment, appliances, and components.....	0.6	0.4	-0.1	0.5	-0.4	0.2	-0.2	0.2
Transportation equipment.....	0.1	0.3	0.2	1.3	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.6	(X)	0.9	(X)	0.4	(X)	0.3
Miscellaneous products.....	(X)	0.3	(X)	0.3	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Beverage and tobacco products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Textiles.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Textile products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Paper products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Petroleum and coal products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.6
Chemical products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Plastics and rubber products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2

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/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 4, 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)>.