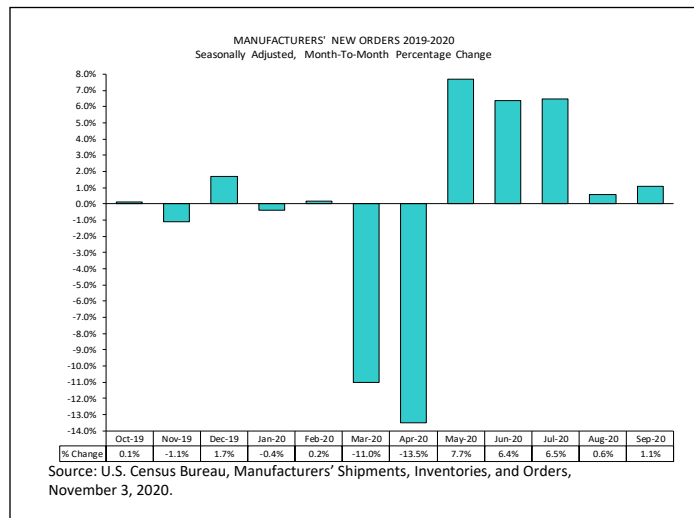


MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS SEPTEMBER 2020

Release Number: CB 20-158 M3-2 (20)-09

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](#)>.

November 3, 2020 — The U.S. Census Bureau announces the September full report on manufacturers' shipments, inventories and orders:



Summary

New orders for manufactured goods in September, up five consecutive months, increased \$5.2 billion or 1.1 percent to \$475.0 billion, the U.S. Census Bureau reported today. This followed a 0.6 percent August increase. Shipments, also up five consecutive months, increased \$1.6 billion or 0.3 percent to \$482.8 billion. This followed a 0.3 percent August increase. Unfilled orders, down six of the last seven months, decreased \$2.5 billion or 0.2 percent to \$1,075.9 billion. This followed a 0.6 percent August decrease. The unfilled orders-to-shipments ratio was 6.59, down from 6.60 in August. Inventories, up four of the last five months, increased \$0.2 billion or virtually unchanged to \$686.7 billion. This followed a virtually unchanged August increase. The inventories-to-shipments ratio was 1.42, down from 1.43 in August.

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



U.S. Department of Commerce
U.S. CENSUS BUREAU
[census.gov](https://www.census.gov)

New Orders

New orders for manufactured durable goods in September, up five consecutive months, increased \$4.4 billion or 1.9 percent to \$237.4 billion, unchanged from the previously published increase. This followed a 0.4 percent August increase. Transportation equipment, up four of the last five months, led the increase, \$3.1 billion or 4.1 percent to \$76.8 billion. New orders for manufactured nondurable goods increased \$0.7 billion or 0.3 percent to \$237.6 billion.

Shipments

Shipments of manufactured durable goods in September, up four of the last five months, increased \$0.9 billion or 0.4 percent to \$245.2 billion, up from the previously published 0.3 percent increase. This followed a 0.2 percent August decrease. Transportation equipment, also up four of the last five months, led the increase, \$0.5 billion or 0.6 percent to \$82.0 billion. Shipments of manufactured nondurable goods, up five consecutive months, increased \$0.7 billion or 0.3 percent to \$237.6 billion. This followed a 0.8 percent August increase. Beverage and Tobacco products, up six of the last seven months, led the increase, \$0.3 billion or 2.0 percent to \$13.8 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in September, down six of the last seven months, decreased \$2.5 billion or 0.2 percent to \$1,075.9 billion, unchanged from the previously published decrease. This followed a 0.6 percent August decrease. Transportation equipment, down seven consecutive months, drove the decrease, \$5.2 billion or 0.7 percent to \$722.0 billion.

Inventories

Inventories of manufactured durable goods in September, up following three consecutive monthly decreases, increased \$1.4 billion or 0.3 percent to \$421.8 billion, down from the previously published 0.4 percent increase. This followed a 0.1 percent August decrease. Transportation equipment, up twenty-four of the last twenty-five months, led the increase, \$0.9 billion or 0.6 percent to \$147.8 billion. Inventories of manufactured nondurable goods, down two of the last three months, decreased \$1.3 billion or 0.5 percent to \$264.9 billion. This followed a 0.3 percent August increase. Petroleum and coal products, also down two of the last three months, drove the decrease, \$1.7 billion or 5.1 percent to \$30.9 billion. By stage of fabrication, September materials and supplies decreased 0.6 percent in durable goods and 1.0 percent in nondurable goods. Work in process increased 1.8 percent in durable goods and decreased 0.8 percent in nondurable goods. Finished goods decreased 0.5 percent in durable goods and were virtually unchanged in nondurable goods.

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



U.S. Department of Commerce
U.S. CENSUS BUREAU
[census.gov](https://www.census.gov)

The Advance Report on durable goods for October is scheduled for release on November 25, 2020 at 8:30 a.m. EST and the Full Report on December 4, 2020 at 10:00 a.m. EST. View the full schedule in the Economic Briefing Room: <www.census.gov/economic-indicators/>. The full text and tables of this release can be found at <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

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



U.S. Department of Commerce
U.S. CENSUS BUREAU
census.gov

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.

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

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



U.S. Department of Commerce
U.S. CENSUS BUREAU
census.gov

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/>.

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.

###

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



U.S. Department of Commerce
U.S. CENSUS BUREAU
census.gov

Table 1. Value of Manufacturers' Shipments for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Aug. - Sep.	July - Aug.	June - July	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Sep. 2019	2020 ^p	2019	% Change 2020/ 2019
All manufacturing industries.....	482,818	481,216	479,889	0.3	0.3	4.7	502,373	491,215	467,059	512,116	4,200,312	4,525,024	-7.2
Excluding transportation.....	400,819	399,708	396,792	0.3	0.7	2.3	415,580	408,024	394,712	424,063	3,555,655	3,744,381	-5.0
Excluding defense.....	469,086	467,353	465,923	0.4	0.3	4.8	487,198	477,608	454,604	496,945	4,076,600	4,400,729	-7.4
With unfilled orders.....	163,279	163,503	162,074	-0.1	0.9	4.0	172,618	166,043	153,952	178,549	1,451,666	1,563,548	-7.2
Durable goods industries.....	245,224	244,347	244,876	0.4	-0.2	7.6	259,418	249,382	231,059	256,891	2,081,073	2,249,497	-7.5
Wood products.....	10,041	9,740	9,464	3.1	2.9	5.9	10,434	10,263	9,873	9,338	84,061	81,790	2.8
Nonmetallic mineral products.....	11,742	11,737	11,819	0.0	-0.7	1.3	12,603	12,716	12,702	12,101	104,996	103,514	1.4
Primary metals.....	18,270	18,350	18,119	-0.4	1.3	1.3	18,560	18,621	17,685	19,550	167,213	183,697	-9.0
Iron and steel mills.....	9,263	9,189	9,187	0.8	0.0	1.3	9,311	9,335	9,016	10,005	85,215	96,709	-11.9
Aluminum and nonferrous metals.....	7,885	7,918	7,692	-0.4	2.9	0.7	8,063	8,044	7,478	8,085	70,631	73,136	-3.4
Ferrous metal foundries.....	1,122	1,243	1,240	-9.7	0.2	6.4	1,186	1,242	1,191	1,460	11,367	13,852	-17.9
Fabricated metal products.....	30,086	30,031	30,187	0.2	-0.5	3.5	31,499	31,332	29,774	32,756	271,914	287,470	-5.4
Machinery.....	30,875	31,146	30,548	-0.9	2.0	2.4	31,734	30,799	29,521	32,084	275,005	290,881	-5.5
Farm machinery.....	2,112	2,153	1,989	-1.9	8.2	12.4	1,966	1,969	1,859	1,798	17,115	18,541	-7.7
Construction machinery.....	2,526	2,564	2,584	-1.5	-0.8	3.2	2,496	2,536	2,550	2,916	23,284	27,867	-16.4
Mining, oil field, and gas field machinery.....	1,054	1,069	1,087	-1.4	-1.7	-4.6	1,121	1,045	1,018	1,383	10,801	13,059	-17.3
Industrial machinery.....	3,170	3,195	3,098	-0.8	3.1	-0.3	3,598	3,191	2,887	3,526	28,339	26,420	7.3
Photographic equipment.....	577	583	587	-1.0	-0.7	10.1	664	551	593	606	4,989	4,811	3.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,920	4,056	4,041	-3.4	0.4	9.8	4,105	4,246	4,450	3,914	34,695	35,753	-3.0
Metalworking machinery.....	2,443	2,466	2,415	-0.9	2.1	-0.1	2,594	2,422	2,244	2,741	21,640	23,896	-9.4
Turbines, generators, and other power transmission equipment.....	3,803	3,819	3,687	-0.4	3.6	-2.9	3,798	3,869	3,559	4,064	34,153	36,918	-7.5
Material handling equipment.....	2,711	2,669	2,591	1.6	3.0	0.3	2,760	2,683	2,477	2,723	23,975	25,719	-6.8
Computers and electronic products ²	30,274	29,917	29,778	1.2	0.5	4.1	34,008	30,316	27,994	31,440	258,774	251,488	2.9
Computers.....	570	552	556	3.3	-0.7	-2.8	624	623	520	685	5,037	5,603	-10.1
Computer storage devices.....	424	458	464	-7.4	-1.3	2.9	478	411	363	491	3,979	2,959	34.5
Other peripheral equipment.....	785	865	840	-9.2	3.0	23.7	910	852	791	894	6,765	6,231	8.6
Nondefense communications equipment.....	3,970	3,862	3,797	2.8	1.7	9.2	4,892	3,514	3,337	4,202	32,054	29,297	9.4
Defense communications equipment....	277	292	275	-5.1	6.2	-3.8	323	284	257	267	2,414	2,322	4.0
Audio and video equipment.....	362	352	363	2.8	-3.0	10.7	337	341	313	323	2,518	2,776	-9.3
Electronic components.....	4,368	4,398	4,369	-0.7	0.7	4.5	4,494	4,741	4,365	4,031	38,475	35,139	9.5
Nondefense search and navigation equipment.....	1,494	1,511	1,523	-1.1	-0.8	1.2	1,661	1,512	1,347	1,715	13,574	14,421	-5.9
Defense search and navigation equipment.....	3,039	2,962	3,061	2.6	-3.2	1.7	3,269	2,972	2,800	3,277	26,595	25,948	2.5
Electromedical, measuring, and control instruments.....	9,201	9,155	8,905	0.5	2.8	1.2	10,546	9,111	8,389	10,116	79,462	80,989	-1.9
Electrical equipment, appliances, and components.....	10,516	10,600	10,602	-0.8	0.0	2.9	11,401	10,931	10,367	11,793	95,590	98,477	-2.9
Electric lighting equipment.....	980	971	978	0.9	-0.7	2.6	1,006	1,014	968	1,040	8,712	9,027	-3.5
Household appliances.....	1,921	2,050	2,084	-6.3	-1.6	10.5	2,170	2,083	1,927	2,091	16,848	16,836	0.1
Electrical equipment.....	2,857	2,871	2,874	-0.5	-0.1	-2.1	3,127	2,964	2,775	3,741	28,224	30,918	-8.7
Batteries.....	755	772	741	-2.2	4.2	-1.5	845	812	693	852	6,440	6,540	-1.5
Transportation equipment.....	81,999	81,508	83,097	0.6	-1.9	17.7	86,793	83,191	72,347	88,053	644,657	780,643	-17.4
Automobiles.....	8,254	7,572	9,220	9.0	-17.9	50.7	8,458	7,856	7,400	8,519	55,662	80,873	-31.2
Light trucks and utility vehicles.....	22,662	22,820	23,463	-0.7	-2.7	32.9	24,577	23,886	19,631	21,491	143,701	184,973	-22.3
Heavy duty trucks	2,531	2,344	2,314	8.0	1.3	7.9	2,647	2,350	2,342	2,571	19,417	24,193	-19.7
Motor vehicle bodies, parts, and trailers.....	28,885	28,554	29,155	1.2	-2.1	12.3	29,365	29,438	26,577	28,128	239,305	256,611	-6.7
Nondefense aircraft and parts.....	4,978	5,271	3,947	-5.6	33.5	-5.6	5,734	4,933	3,430	11,306	53,428	101,468	-47.3
Defense aircraft and parts.....	3,745	4,095	4,275	-8.5	-4.2	8.0	4,229	4,074	3,820	4,965	36,158	41,566	-13.0
Ships and boats.....	2,704	2,740	2,613	-1.3	4.9	9.1	2,744	2,672	2,359	2,839	23,774	27,275	-12.8
Furniture and related products.....	6,506	6,556	6,664	-0.8	-1.6	1.2	6,549	6,934	6,818	6,571	58,388	59,495	-1.9
Miscellaneous durable goods.....	14,915	14,762	14,598	1.0	1.1	4.9	15,837	14,279	13,978	13,205	120,475	112,042	7.5
Nondurable goods industries.....	237,594	236,869	235,013	0.3	0.8	1.8	242,955	241,833	236,000	255,225	2,119,239	2,275,527	-6.9
Food products.....	67,534	67,316	67,773	0.3	-0.7	0.8	69,500	68,314	65,808	68,372	604,596	597,255	1.2
Grain and oilseed milling.....	7,116	7,125	7,131	-0.1	-0.1	-0.2	7,244	7,314	6,965	6,762	62,993	61,580	2.3
Dairy products.....	10,461	10,507	10,696	-0.4	-1.8	0.1	10,523	10,601	10,747	10,321	94,065	91,817	2.4
Meat, poultry, and seafood products...	18,032	17,957	18,171	0.4	-1.2	1.3	18,057	18,303	18,046	19,389	166,695	176,062	-5.3
Beverage and tobacco products.....	13,767	13,499	13,317	2.0	1.4	0.9	14,198	13,967	13,531	14,115	119,121	121,339	-1.8
Beverages.....	9,414	9,304	9,447	1.2	-1.5	1.6	9,845	9,772	9,661	9,766	84,119	83,620	0.6
Tobacco.....	4,353	4,195	3,870	3.8	8.4	-0.8	4,353	4,195	3,870	4,349	35,002	37,719	-7.2
Textile mills.....	2,199	2,165	2,108	1.6	2.7	2.6	2,216	2,290	2,095	2,317	19,375	21,306	-9.1
Textile products.....	1,884	1,835	1,763	2.7	4.1	-2.3	1,870	1,913	1,793	1,985	16,482	18,427	-10.6
Apparel.....	880	839	870	4.9	-3.6	1.2	931	910	895	945	7,619	7,972	-4.4
Leather and allied products.....	439	438	417	0.2	5.0	8.0	429	433	421	374	3,468	3,641	-4.8
Paper products.....	16,432	16,411	16,261	0.1	0.9	1.5	16,899	16,896	16,465	16,336	146,993	145,938	0.7
Pulp, paper, and paperboard mills.....	6,563	6,560	6,457	0.0	1.6	-0.1	6,812	6,847	6,617	6,737	59,093	59,044	0.1
Paperboard containers.....	6,084	6,052	5,979	0.5	1.2	3.3	6,293	6,225	6,088	5,798	53,203	52,377	1.6
Printing.....	6,914	6,846	7,030	1.0	-2.6	4.0	7,256	6,888	6,774	7,471	61,713	63,366	-2.6
Petroleum and coal products.....	39,489	39,531	38,014	-0.1	4.0	5.6	39,273	41,717	40,838	54,636	349,767	500,467	-30.1
Petroleum refineries.....	35,371	35,418	33,971	-0.1	4.3	6.4	34,596	36,872	36,200	49,737	311,821	461,419	-32.4
Chemical products.....	68,302	68,210	67,859	0.1	0.5	1.3	70,061	68,278	67,413	67,996	611,345	608,904	0.4
Pesticides, fertilizers, and other agricultural chemicals.....	2,625	2,702	2,753	-2.8	-1.9	0.3	2,564	2,298	2,335	2,755	25,808	27,399	-5.8
Pharmaceuticals and medicines.....	25,410	25,408	25,262	0.0	0.6	0.3	26,867	25,320	24,934	23,195	221,042	198,493	11.4
Paints, coatings, and adhesives.....	4,724	4,609	4,426	2.5	4.1	3.6	4,775	4,803	4,703	4,333	40,856	39,594	3.2
Plastics and rubber products.....	19,754	19,779	19,601	-0.1	0.9	1.0	20,322	20,227	19,967	20,678	178,760	186,912	-4.4

^p Preliminary

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

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

² Estimates and percent changes of shipments for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>. Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 3, 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>.

Table 2. Value of Manufacturers' New Orders for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Aug. - Sep.	July - Aug.	June - July	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Sep. 2019	2020 ^p	2019	% Change 2020/ 2019
All manufacturing industries ²	474,974	469,802	466,927	1.1	0.6	6.5	491,635	474,787	452,865	504,662	4,084,617	4,460,500	-8.4
Excluding transportation ²	398,143	396,026	392,448	0.5	0.9	2.4	411,004	401,214	389,763	417,172	3,518,395	3,705,432	-5.0
Excluding defense ²	463,551	455,300	451,279	1.8	0.9	5.8	477,646	462,528	441,840	485,350	3,959,918	4,335,561	-8.7
With unfilled orders ²	160,745	157,125	154,253	2.3	1.9	9.7	167,846	155,078	144,815	176,162	1,379,750	1,541,927	-10.5
Durable goods industries ²	237,380	232,933	231,914	1.9	0.4	11.8	248,680	232,954	216,865	249,437	1,965,378	2,184,973	-10.1
Primary metals.....	19,266	18,526	18,189	4.0	1.9	1.6	18,988	18,505	17,519	18,869	166,679	183,115	-9.0
Iron and steel mills.....	10,086	9,278	9,195	8.7	0.9	2.4	9,724	9,300	8,984	9,579	84,883	96,564	-12.1
Aluminum and nonferrous metals.....	8,020	8,008	7,632	0.1	4.9	0.3	8,134	7,946	7,160	7,995	70,264	73,012	-3.8
Ferrous metal foundries.....	1,160	1,240	1,362	-6.5	-9.0	4.2	1,130	1,259	1,375	1,295	11,532	13,539	-14.8
Fabricated metal products.....	30,790	30,438	30,491	1.2	-0.2	3.8	31,544	31,239	30,321	31,397	273,579	289,528	-5.5
Machinery.....	31,464	31,570	30,761	-0.3	2.6	2.8	31,874	30,673	29,842	31,655	277,777	289,793	-4.1
Construction machinery.....	2,610	2,726	2,644	-4.3	3.1	1.8	2,662	2,573	2,600	2,770	23,152	25,155	-8.0
Mining, oil field, and gas field machinery.....	1,174	1,170	1,049	0.3	11.5	1.8	1,241	1,146	980	1,380	10,639	12,559	-15.3
Industrial machinery.....	3,124	3,148	3,068	-0.8	2.6	1.7	3,490	3,127	2,799	3,496	28,177	26,428	6.6
Photographic equipment.....	537	546	540	-1.6	1.1	6.9	659	509	565	707	4,798	4,546	5.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,975	4,179	4,192	-4.9	-0.3	9.3	4,064	4,225	4,514	3,842	35,409	36,261	-2.3
Metalworking machinery.....	2,545	2,533	2,487	0.5	1.8	-4.2	2,619	2,447	2,388	2,599	22,483	23,388	-3.9
Turbines, generators, and other power transmission equipment.....	3,865	3,670	3,740	5.3	-1.9	2.6	3,860	3,720	3,612	4,024	33,960	36,805	-7.7
Material handling equipment.....	2,757	2,726	2,565	1.1	6.3	-0.2	2,767	2,595	2,410	2,745	24,044	25,799	-6.8
Computers and electronic products ²	25,013	24,864	24,577	0.6	1.2	2.9	28,579	24,022	22,465	27,229	215,622	210,732	2.3
Computers.....	591	534	545	10.7	-2.0	2.6	645	605	509	723	4,885	5,558	-12.1
Nondefense communications equipment.....	3,994	3,933	3,829	1.6	2.7	10.3	4,886	3,494	3,391	4,220	32,256	29,685	8.7
Defense communications equipment.....	260	264	257	-1.5	2.7	10.3	317	258	247	282	2,122	2,048	3.6
Electronic components.....	4,378	4,302	4,198	1.8	2.5	2.2	4,554	4,508	4,255	4,203	38,052	35,299	7.8
Nondefense search and navigation equipment.....	1,554	1,617	1,662	-3.9	-2.7	0.4	1,769	1,610	1,457	1,859	14,543	15,037	-3.3
Defense search and navigation equipment.....	2,945	2,875	3,005	2.4	-4.3	-3.9	3,392	2,609	2,439	3,575	26,501	27,384	-3.2
Electromedical, measuring, and control instruments.....	9,246	9,190	8,930	0.6	2.9	1.4	10,783	8,842	8,245	10,287	79,879	80,855	-1.2
Electrical equipment, appliances, and components.....	10,790	10,868	10,840	-0.7	0.3	5.1	11,566	10,913	10,514	11,557	96,986	99,388	-2.4
Electric lighting equipment.....	983	943	983	4.2	-4.1	1.9	1,016	971	961	1,088	8,628	9,329	-7.5
Household appliances.....	2,002	2,188	2,225	-8.5	-1.7	9.4	2,379	2,132	2,068	2,126	17,583	16,961	3.7
Electrical equipment.....	2,864	2,927	2,901	-2.2	0.9	0.1	2,939	2,933	2,830	3,520	28,265	31,075	-9.0
Transportation equipment.....	76,831	73,776	74,479	4.1	-0.9	35.3	80,631	73,573	63,102	87,490	566,222	755,068	-25.0
Motor vehicle bodies, parts, and trailers.....	28,947	28,696	29,043	0.9	-1.2	8.8	29,538	29,662	26,270	27,963	239,401	254,977	-6.1
Nondefense aircraft and parts ³	1,799	-3,248	-5,970	(NA)	(NA)	(NA)	570	-3,820	-4,074	7,123	-26,764	79,411	-133.7
Defense aircraft and parts.....	2,143	3,979	4,616	-46.1	-13.8	75.2	2,701	2,994	3,764	7,285	32,269	41,729	-22.7
Ships and boats.....	2,776	3,123	3,724	-11.1	-16.1	77.6	2,290	2,282	1,522	2,092	27,414	26,473	3.6
Furniture and related products.....	6,590	6,654	6,692	-1.0	-0.6	2.4	6,686	6,773	6,545	6,571	59,039	59,927	-1.5
Nondurable goods industries.....	237,594	236,869	235,013	0.3	0.8	1.8	242,955	241,833	236,000	255,225	2,119,239	2,275,527	-6.9

^p Preliminary

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

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

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

³ (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, September Full Report, November 3, 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>.

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				% Change September 2020/ 2019
	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Aug. - Sep.	July - Aug.	June - July	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Sep. 2019	
All manufacturing industries ²	1,075,897	1,078,431	1,084,809	-0.2	-0.6	-0.7	1,070,226	1,074,998	1,085,963	1,142,639	-6.3
Excluding transportation ²	353,896	351,262	349,908	0.7	0.4	0.2	351,644	350,254	351,601	347,968	1.1
Excluding defense ²	856,644	856,869	863,886	0.0	-0.8	-1.1	852,391	855,977	865,594	935,488	-8.9
Durable goods industries ²	1,075,897	1,078,431	1,084,809	-0.2	-0.6	-0.7	1,070,226	1,074,998	1,085,963	1,142,639	-6.3
Primary metals.....	31,826	30,830	30,654	3.2	0.6	0.2	30,925	30,497	30,613	30,354	1.9
Iron and steel mills.....	13,691	12,868	12,779	6.4	0.7	0.1	13,335	12,922	12,957	13,487	-1.1
Aluminum and nonferrous metals.....	12,639	12,504	12,414	1.1	0.7	-0.5	12,167	12,096	12,194	12,122	0.4
Ferrous metal foundries.....	5,496	5,458	5,461	0.7	-0.1	2.3	5,423	5,479	5,462	4,745	14.3
Fabricated metal products.....	74,107	73,403	72,996	1.0	0.6	0.4	74,115	74,070	74,163	74,974	-1.1
Machinery.....	98,250	97,661	97,237	0.6	0.4	0.2	97,500	97,360	97,486	95,974	1.6
Construction machinery.....	5,472	5,388	5,226	1.6	3.1	1.2	5,245	5,079	5,042	5,563	-5.7
Mining, oil field, and gas field machinery.....	3,860	3,740	3,639	3.2	2.8	-1.0	3,860	3,740	3,639	4,166	-7.3
Industrial machinery.....	8,504	8,550	8,597	-0.5	-0.5	-0.3	8,329	8,437	8,501	8,692	-4.2
Photographic equipment.....	900	940	977	-4.3	-3.8	-4.6	879	884	926	1,100	-20.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,379	7,324	7,201	0.8	1.7	2.1	7,210	7,251	7,272	6,651	8.4
Metalworking machinery.....	8,458	8,356	8,289	1.2	0.8	0.9	8,457	8,432	8,407	7,939	6.5
Turbines, generators, and other power transmission equipment.....	23,413	23,351	23,500	0.3	-0.6	0.2	23,413	23,351	23,500	23,874	-1.9
Material handling equipment.....	11,109	11,063	11,006	0.4	0.5	-0.2	11,105	11,098	11,186	10,832	2.5
Computers and electronic products ²	118,680	118,631	118,648	0.0	0.0	-0.1	118,369	117,832	118,663	117,770	0.5
Computers.....	1,856	1,835	1,853	1.1	-1.0	-0.6	1,856	1,835	1,853	1,946	-4.6
Nondefense communications equipment.....	24,963	24,939	24,868	0.1	0.3	0.1	24,834	24,840	24,860	24,562	1.1
Defense communications equipment.....	653	670	698	-2.5	-4.0	-2.5	665	671	697	990	-32.8
Electronic components.....	14,437	14,427	14,523	0.1	-0.7	-1.2	14,242	14,182	14,415	14,240	0.0
Nondefense search and navigation equipment.....	22,264	22,204	22,098	0.3	0.5	0.6	22,317	22,209	22,111	21,371	4.4
Defense search and navigation equipment.....	30,603	30,697	30,784	-0.3	-0.3	-0.2	30,627	30,504	30,867	31,175	-1.8
Electromedical, measuring, and control instruments.....	23,904	23,859	23,824	0.2	0.1	0.1	23,828	23,591	23,860	23,486	1.5
Electrical equipment, appliances, and components.....	22,401	22,127	21,859	1.2	1.2	1.1	22,179	22,014	22,032	20,717	7.1
Electric lighting equipment.....	1,655	1,652	1,680	0.2	-1.7	0.3	1,663	1,653	1,696	1,635	1.7
Household appliances.....	2,226	2,145	2,007	3.8	6.9	7.6	2,291	2,082	2,033	1,471	55.7
Electrical equipment.....	8,651	8,644	8,588	0.1	0.7	0.3	8,458	8,646	8,677	8,489	-0.4
Transportation equipment.....	722,001	727,169	734,901	-0.7	-1.1	-1.2	718,582	724,744	734,362	794,671	-9.6
Motor vehicle bodies, parts, and trailers.....	21,225	21,163	21,021	0.3	0.7	-0.5	20,844	20,671	20,447	20,269	2.8
Nondefense aircraft and parts.....	481,300	484,479	492,998	-0.7	-1.7	-2.0	479,782	484,946	493,699	568,247	-15.6
Defense aircraft and parts.....	82,360	83,962	84,078	-1.9	-0.1	0.4	81,148	82,676	83,756	80,341	1.0
Ships and boats.....	49,910	49,838	49,455	0.1	0.8	2.3	48,789	49,243	49,633	41,491	17.6
Furniture and related products.....	8,123	8,039	7,941	1.0	1.2	0.4	8,047	7,910	8,071	7,579	6.2

^p Preliminary

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

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

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

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 3, 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>.

Table 4. Value of Manufacturers' Inventories for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				% Change September 2020/ 2019
	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Aug. - Sep.	July - Aug.	June - July	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Sep. 2019	
All manufacturing industries.....	686,652	686,479	686,399	0.0	0.0	-0.6	686,835	689,884	690,088	696,253	-1.4
Excluding transportation.....	538,853	539,610	540,375	-0.1	-0.1	-0.7	538,280	541,889	542,648	559,218	-3.7
Excluding defense.....	660,932	660,994	661,107	0.0	0.0	-0.6	661,101	664,290	664,717	671,137	-1.5
With unfilled orders.....	344,953	343,267	343,741	0.5	-0.1	-0.8	345,144	346,021	346,790	340,576	1.3
Durable goods industries.....	421,799	420,373	420,990	0.3	-0.1	-0.8	421,891	423,444	424,360	419,563	0.6
Wood products.....	11,878	11,780	11,638	0.8	1.2	0.2	11,660	11,593	11,356	11,840	-1.5
Nonmetallic mineral products.....	14,017	14,031	14,128	-0.1	-0.7	-1.2	13,824	13,964	14,152	14,351	-3.7
Primary metals.....	33,524	33,120	33,310	1.2	-0.6	-1.8	33,338	33,210	33,527	35,508	-6.1
Iron and steel mills.....	18,381	18,227	18,551	0.8	-1.7	-2.4	18,321	18,317	18,683	20,010	-8.4
Aluminum and nonferrous metals.....	13,067	12,816	12,673	2.0	1.1	-1.0	13,015	12,840	12,767	13,350	-2.5
Ferrous metal foundries.....	2,076	2,077	2,086	0.0	-0.4	-2.1	2,002	2,053	2,077	2,148	-6.8
Fabricated metal products.....	51,080	51,174	51,434	-0.2	-0.5	-2.1	51,088	51,382	52,072	53,726	-4.9
Machinery.....	69,050	68,916	69,488	0.2	-0.8	-1.3	69,432	69,655	69,869	72,657	-4.4
Farm machinery.....	3,620	3,645	3,674	-0.7	-0.8	-1.5	3,507	3,526	3,595	3,891	-9.9
Construction machinery.....	5,916	5,994	6,060	-1.3	-1.1	-1.2	6,007	6,030	6,056	6,588	-8.8
Mining, oil field, and gas field machinery.....	4,700	4,727	4,863	-0.6	-2.8	3.9	4,712	4,785	4,823	5,507	-14.4
Industrial machinery.....	9,796	9,760	9,793	0.4	-0.3	-1.1	10,174	9,998	9,733	9,538	6.7
Photographic equipment.....	1,418	1,414	1,427	0.3	-0.9	-0.7	1,419	1,457	1,446	1,456	-2.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,979	4,857	4,971	2.5	-2.3	-7.1	4,829	4,875	5,068	5,532	-12.7
Metalworking machinery.....	5,770	5,790	5,905	-0.3	-1.9	-1.2	5,820	5,877	5,949	6,307	-7.7
Turbines, generators, and other power transmission equipment.....	9,280	9,259	9,295	0.2	-0.4	-1.4	9,242	9,450	9,516	9,627	-4.0
Material handling equipment.....	4,762	4,753	4,798	0.2	-0.9	0.1	4,899	4,843	4,893	5,312	-7.8
Computers and electronic products ²	43,572	43,598	43,976	-0.1	-0.9	-0.5	43,375	44,168	44,450	43,802	-1.0
Computers.....	1,803	1,849	1,849	-2.5	0.0	-0.6	1,895	1,938	1,914	1,939	-2.3
Computer storage devices.....	989	972	956	1.7	1.7	-0.8	1,001	1,004	1,027	985	1.6
Other peripheral equipment.....	1,059	1,044	1,050	1.4	-0.6	-2.1	1,034	1,063	1,063	1,000	3.4
Nondefense communications equipment.....	4,660	4,597	4,576	1.4	0.5	0.8	4,601	4,734	4,593	4,475	2.8
Defense communications equipment.....	673	666	670	1.1	-0.6	1.5	673	666	670	657	2.4
Audio and video equipment.....	488	490	517	-0.4	-5.2	-14.4	536	520	522	692	-22.5
Electronic components.....	7,419	7,445	7,787	-0.3	-4.4	-1.2	7,266	7,297	7,862	7,765	-6.4
Nondefense search and navigation equipment.....	2,939	2,937	2,932	0.1	0.2	-0.9	2,945	2,977	2,967	2,851	3.3
Defense search and navigation equipment.....	2,695	2,686	2,675	0.3	0.4	0.4	2,625	2,714	2,711	2,627	-0.1
Electromedical, measuring and control instruments.....	15,436	15,439	15,468	0.0	-0.2	-0.2	15,330	15,718	15,635	14,962	2.5
Electrical equipment, appliances, and components.....	19,659	19,696	19,746	-0.2	-0.3	-0.2	19,348	19,899	20,057	19,481	-0.7
Electric lighting equipment.....	2,004	2,002	2,018	0.1	-0.8	-0.4	2,001	2,015	2,048	2,089	-4.2
Household appliances.....	2,453	2,353	2,362	4.2	-0.4	-0.8	2,422	2,435	2,415	2,672	-9.4
Electrical equipment.....	6,304	6,484	6,472	-2.8	0.2	-0.5	5,980	6,473	6,536	5,994	-0.2
Batteries.....	1,825	1,830	1,844	-0.3	-0.8	-0.5	1,892	1,941	1,963	1,880	0.6
Transportation equipment.....	147,799	146,869	146,024	0.6	0.6	-0.2	148,555	147,995	147,440	137,035	8.4
Automobiles.....	5,485	5,571	5,681	-1.5	-1.9	-2.1	5,634	5,690	5,841	6,235	-9.6
Light trucks and utility vehicles.....	4,805	5,082	5,128	-5.5	-0.9	-1.7	4,990	5,260	5,359	5,386	-7.4
Heavy duty trucks	1,957	1,962	1,837	-0.3	6.8	-2.3	1,905	1,936	1,946	1,872	1.8
Motor vehicle bodies, parts, and trailers.....	26,582	26,416	26,489	0.6	-0.3	-2.7	26,611	26,559	26,783	26,771	-0.6
Nondefense aircraft and parts.....	79,247	78,381	77,726	1.1	0.8	1.0	79,538	78,660	78,058	68,271	16.5
Defense aircraft and parts.....	12,421	12,431	12,327	-0.1	0.8	-1.2	12,399	12,456	12,372	12,083	2.6
Ships and boats.....	4,361	4,253	4,151	2.5	2.5	1.6	4,478	4,333	4,177	4,320	3.7
Furniture and related products.....	7,148	7,107	7,120	0.6	-0.2	-1.3	7,086	7,190	7,229	7,427	-4.6
Miscellaneous durable goods.....	24,072	24,082	24,126	0.0	-0.2	0.2	24,185	24,388	24,208	23,736	1.9
Nondurable goods industries.....	264,853	266,106	265,409	-0.5	0.3	-0.2	264,944	266,440	265,728	276,690	-4.2
Food products.....	54,517	54,574	54,597	-0.1	0.0	0.3	55,197	54,964	54,224	56,123	-1.6
Grain and oilseed milling.....	5,354	5,269	5,273	1.6	-0.1	1.3	5,158	5,180	5,139	5,182	-0.5
Dairy products.....	8,472	8,467	8,487	0.1	-0.2	2.0	8,520	8,595	8,747	8,428	1.1
Meat, poultry, and seafood products.....	9,286	9,302	9,210	-0.2	1.0	-0.8	9,327	9,386	9,295	10,051	-7.2
Beverage and tobacco products.....	25,314	25,502	25,684	-0.7	-0.7	-0.1	25,077	24,863	24,997	25,468	-1.5
Beverages.....	21,537	21,661	21,782	-0.6	-0.6	-0.1	21,448	21,297	21,365	21,563	-0.5
Tobacco.....	3,777	3,841	3,902	-1.7	-1.6	-0.3	3,629	3,566	3,632	3,905	-7.1
Textile mills.....	3,040	3,054	3,061	-0.5	-0.2	-1.4	3,052	3,074	3,083	3,246	-6.0
Textile products.....	3,693	3,711	3,737	-0.5	-0.7	-0.7	3,715	3,713	3,737	4,005	-7.2
Apparel.....	1,788	1,798	1,821	-0.6	-1.3	-0.9	1,844	1,896	1,901	1,931	-4.5
Leather and allied products.....	810	826	844	-1.9	-2.1	-1.1	809	832	853	862	-6.1
Paper products.....	15,154	15,119	15,162	0.2	-0.3	-1.0	15,153	15,224	15,293	15,352	-1.3
Pulp, paper, and paperboard mills.....	5,564	5,574	5,652	-0.2	-1.4	-0.6	5,506	5,574	5,660	5,746	-4.2
Paperboard containers.....	5,437	5,417	5,374	0.4	0.8	-2.2	5,453	5,464	5,438	5,433	0.4
Printing.....	5,688	5,684	5,672	0.1	0.2	-0.1	5,749	5,703	5,619	5,734	0.3
Petroleum and coal products.....	30,926	32,596	32,214	-5.1	1.2	-0.2	31,337	32,822	32,780	39,272	-20.2
Petroleum refineries.....	25,601	27,279	26,713	-6.2	2.1	0.1	26,084	27,474	27,204	33,489	-22.1
Chemical products.....	97,677	97,076	96,414	0.6	0.7	-0.2	96,859	97,332	97,077	97,248	-0.4
Pesticides, fertilizers, and other agricultural chemicals.....	5,548	5,513	5,474	0.6	0.7	-0.9	5,159	5,252	5,200	5,248	-1.7
Pharmaceuticals and medicines.....	46,456	46,068	45,604	0.8	1.0	0.1	46,456	46,383	46,171	45,156	2.9
Paints, coatings, and adhesives.....	3,829	3,857	3,832	-0.7	0.7	-0.2	3,750	3,779	3,839	3,997	-6.2
Plastics and rubber products.....	26,246	26,166	26,203	0.3	-0.1	-0.6	26,152	26,017	26,164	27,449	-4.7

^p Preliminary

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

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

Estimates are not adjusted for price changes.

² 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, September Full Report, November 3, 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>.

Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series^{1, 2}

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		% Change ⁶
	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Aug. - Sep.	July - Aug.	June - July	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Sep. 2019	2020 ^p	2019	
SHIPMENTS													
All manufacturing industries.....	482,818	481,216	479,889	0.3	0.3	4.7	502,373	491,215	467,059	512,116	4,200,312	4,525,024	-7.2
Construction materials and supplies.....	52,667	52,270	51,887	0.8	0.7	3.8	55,311	55,742	54,517	53,986	464,724	471,808	-1.5
Information technology.....	25,176	25,002	24,780	0.7	0.9	3.7	28,465	24,721	23,169	27,017	216,875	213,413	1.6
Computers and related products.....	1,779	1,875	1,860	-5.1	0.8	9.3	2,012	1,886	1,674	2,070	15,781	14,793	6.7
Motor vehicle and parts.....	62,332	61,290	64,152	1.7	-4.5	23.7	65,047	63,530	55,950	60,709	458,085	546,650	-16.2
Capital goods.....	82,371	82,340	80,146	0.0	2.7	2.2	89,120	81,203	75,401	90,426	722,977	768,904	-6.0
Nondefense capital goods ³	70,296	70,170	67,900	0.2	3.3	2.5	75,883	69,273	64,543	77,344	614,599	661,016	-7.0
Excluding aircraft.....	67,617	67,308	66,255	0.5	1.6	3.0	72,534	66,593	63,228	69,732	585,338	594,665	-1.6
Defense capital goods ⁴	12,075	12,170	12,246	-0.8	-0.6	0.6	13,237	11,930	10,858	13,082	108,378	107,888	0.5
Consumer goods.....	201,895	201,059	202,058	0.4	-0.5	6.5	207,871	205,508	195,781	214,888	1,712,128	1,905,688	-10.2
Consumer durable goods.....	44,474	44,147	46,656	0.7	-5.4	26.1	47,080	45,308	40,017	43,728	317,515	386,549	-17.9
Consumer nondurable goods.....	157,421	156,912	155,402	0.3	1.0	1.8	160,791	160,200	155,764	171,160	1,394,613	1,519,139	-8.2
NEW ORDERS													
All manufacturing industries ⁵	474,974	469,802	466,927	1.1	0.6	6.5	491,635	474,787	452,865	504,662	4,084,617	4,460,500	-8.4
Construction materials and supplies.....	53,194	52,719	51,977	0.9	1.4	3.6	55,352	55,612	54,512	53,029	465,061	473,524	-1.8
Information technology.....	25,358	25,146	24,909	0.8	1.0	4.1	29,071	24,088	22,737	27,704	218,438	215,462	1.4
Computers and related products.....	1,800	1,857	1,849	-3.1	0.4	11.3	2,033	1,868	1,663	2,108	15,629	14,748	6.0
Motor vehicle and parts.....	62,394	61,432	64,040	1.6	-4.1	21.7	65,220	63,754	55,643	60,544	458,181	545,016	-15.9
Capital goods.....	80,192	76,601	72,596	4.7	5.5	14.4	85,268	72,575	67,732	86,587	655,180	747,611	-12.4
Nondefense capital goods ³	69,892	63,333	58,475	10.4	8.3	11.0	72,742	61,111	57,750	70,766	541,684	639,471	-15.3
Excluding aircraft.....	68,865	68,184	66,585	1.0	2.4	2.6	73,315	66,222	63,272	69,098	591,720	594,571	-0.5
Defense capital goods ⁴	10,300	13,268	14,121	-22.4	-6.0	30.8	12,526	11,464	9,982	15,821	113,496	108,140	5.0
Consumer goods.....	201,973	201,259	202,290	0.4	-0.5	6.6	208,141	205,624	196,027	215,000	1,713,199	1,906,062	-10.1
Consumer durable goods.....	44,552	44,347	46,888	0.5	-5.4	26.2	47,350	45,424	40,263	43,840	318,586	386,923	-17.7
Consumer nondurable goods.....	157,421	156,912	155,402	0.3	1.0	1.8	160,791	160,200	155,764	171,160	1,394,613	1,519,139	-8.2
UNFILLED ORDERS													
All manufacturing industries ⁵	1,075,897	1,078,431	1,084,809	-0.2	-0.6	-0.7	1,070,226	1,074,998	1,085,963	1,142,639	(X)	(X)	-6.3
Construction materials and supplies.....	51,544	51,017	50,568	1.0	0.9	0.2	51,454	51,413	51,543	53,411	(X)	(X)	-3.7
Information technology.....	115,012	114,830	114,686	0.2	0.1	0.1	114,773	114,167	114,800	113,752	(X)	(X)	0.9
Computers and related products.....	1,856	1,835	1,853	1.1	-1.0	-0.6	1,856	1,835	1,853	1,946	(X)	(X)	-4.6
Motor vehicle and parts.....	21,225	21,163	21,021	0.3	0.7	-0.5	20,844	20,671	20,447	20,269	(X)	(X)	2.8
Capital goods.....	773,122	775,301	781,040	-0.3	-0.7	-1.0	770,476	774,328	782,956	844,725	(X)	(X)	-8.8
Nondefense capital goods ³	593,631	594,035	600,872	-0.1	-1.1	-1.5	591,749	594,890	603,052	678,753	(X)	(X)	-12.8
Excluding aircraft.....	219,564	218,316	217,440	0.6	0.4	0.2	218,516	217,735	218,106	213,321	(X)	(X)	2.4
Defense capital goods ⁴	179,491	181,266	180,168	-1.0	0.6	1.1	178,727	179,438	179,904	165,972	(X)	(X)	7.7
Consumer goods.....	5,698	5,620	5,420	1.4	3.7	4.5	5,761	5,491	5,375	4,593	(X)	(X)	25.4
Consumer durable goods.....	5,698	5,620	5,420	1.4	3.7	4.5	5,761	5,491	5,375	4,593	(X)	(X)	25.4
TOTAL INVENTORIES													
All manufacturing industries.....	686,652	686,479	686,399	0.0	0.0	-0.6	686,835	689,884	690,088	696,253	(X)	(X)	-1.4
Construction materials and supplies.....	68,678	68,576	68,866	0.1	-0.4	-2.0	68,197	68,464	69,176	71,754	(X)	(X)	-5.0
Information technology.....	39,383	39,269	39,321	0.3	-0.1	-0.3	39,262	39,974	39,791	38,651	(X)	(X)	1.6
Computers and related products.....	3,851	3,865	3,855	-0.4	0.3	-1.1	3,930	4,005	4,004	3,924	(X)	(X)	0.2
Motor vehicle and parts.....	38,829	39,031	39,135	-0.5	-0.3	-2.5	39,140	39,445	39,929	40,264	(X)	(X)	-2.8
Capital goods.....	215,244	214,291	213,905	0.4	0.2	0.0	215,682	216,468	215,727	206,320	(X)	(X)	4.5
Nondefense capital goods ³	193,724	193,031	192,838	0.4	0.1	0.0	194,126	195,124	194,626	185,317	(X)	(X)	4.8
Excluding aircraft.....	127,194	127,349	127,671	-0.1	-0.3	-0.6	127,308	129,012	128,967	128,757	(X)	(X)	-1.1
Defense capital goods ⁴	21,520	21,260	21,067	1.2	0.9	-0.4	21,556	21,344	21,101	21,003	(X)	(X)	2.6
Consumer goods.....	201,280	203,023	202,734	-0.9	0.1	-0.1	202,719	204,107	203,203	213,122	(X)	(X)	-4.9
Consumer durable goods.....	30,694	30,857	31,120	-0.5	-0.8	-1.2	31,084	31,460	31,424	32,961	(X)	(X)	-5.7
Consumer nondurable goods.....	170,586	172,166	171,614	-0.9	0.3	0.1	171,635	172,647	171,779	180,161	(X)	(X)	-4.7

^x Not Applicable

^p Preliminary

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

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

² Topical series are regroupings of the separate industry categories.

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

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 3, 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>.

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				% Change September 2020/ 2019
	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Aug. - Sep.	July - Aug.	June - July	Sep. 2020 ^p	Aug. 2020 ^r	July 2020	Sep. 2019	
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries.....	234,427	236,195	236,862	-0.7	-0.3	-0.6	234,828	236,618	238,588	237,697	-1.2
Durable goods industries.....	143,935	144,807	145,483	-0.6	-0.5	-1.1	145,001	145,869	146,857	145,643	-0.4
Wood products.....	5,418	5,403	5,343	0.3	1.1	-0.2	5,485	5,428	5,246	5,440	0.8
Nonmetallic mineral products.....	5,715	5,742	5,801	-0.5	-1.0	-0.7	5,701	5,748	5,825	5,683	0.3
Primary metals.....	12,224	12,565	12,459	-2.7	0.9	-1.4	12,329	12,624	12,536	12,963	-4.9
Fabricated metal products.....	18,985	19,133	19,270	-0.8	-0.7	-1.5	19,287	19,328	19,574	20,503	-5.9
Machinery.....	27,209	27,357	27,598	-0.5	-0.9	-0.9	27,478	27,600	27,796	28,674	-4.2
Computers and electronic products.....	19,870	19,967	19,862	-0.5	0.5	0.0	19,873	20,115	20,110	19,352	2.7
Electrical equipment, appliances, and components.....	8,726	8,742	8,831	-0.2	-1.0	-0.1	8,586	8,818	8,980	8,350	2.8
Transportation equipment.....	34,343	34,462	34,837	-0.3	-1.1	-2.2	34,789	34,590	35,160	33,296	4.5
Furniture and related products.....	3,459	3,445	3,478	0.4	-0.9	-1.2	3,437	3,476	3,531	3,577	-3.9
Miscellaneous products.....	7,986	7,991	8,004	-0.1	-0.2	0.4	8,036	8,142	8,099	7,805	3.0
Nondurable goods industries.....	90,492	91,388	91,379	-1.0	0.0	0.3	89,827	90,749	91,731	92,054	-2.4
Food products.....	19,527	19,745	19,828	-1.1	-0.4	1.0	19,420	19,519	19,761	19,715	-1.5
Beverage and tobacco products.....	5,598	5,663	5,765	-1.1	-1.8	-0.8	5,452	5,371	5,500	5,710	-4.5
Textiles.....	1,127	1,131	1,141	-0.4	-0.9	-1.9	1,129	1,143	1,156	1,167	-3.3
Textile products.....	1,183	1,185	1,192	-0.2	-0.6	-0.2	1,192	1,188	1,196	1,244	-4.2
Apparel.....	555	554	556	0.2	-0.4	1.1	557	567	565	568	-1.9
Leather and allied products.....	274	279	279	-1.8	0.0	-1.4	275	284	288	282	-2.5
Paper products.....	7,586	7,600	7,598	-0.2	0.0	-1.7	7,621	7,640	7,671	7,658	-0.5
Printing	2,693	2,692	2,697	0.0	-0.2	-0.4	2,712	2,701	2,701	2,720	-0.3
Petroleum and coal products.....	9,656	10,598	10,293	-8.9	3.0	2.3	9,529	10,387	10,410	11,067	-13.9
Chemical products.....	31,576	31,157	31,218	1.3	-0.2	0.2	31,206	31,187	31,566	31,185	0.1
Plastics and rubber products.....	10,717	10,784	10,812	-0.6	-0.3	-0.5	10,734	10,762	10,917	10,738	0.0
<u>WORK IN PROCESS</u>											
All manufacturing industries.....	208,871	206,401	205,445	1.2	0.5	-0.5	208,167	207,151	206,660	202,520	2.8
Durable goods industries.....	162,409	159,587	158,675	1.8	0.6	-0.5	162,155	160,785	160,119	152,160	6.6
Wood products.....	1,987	1,978	1,980	0.5	-0.1	19.4	1,955	1,964	1,947	1,719	13.7
Nonmetallic mineral products.....	1,396	1,384	1,371	0.9	0.9	-1.8	1,367	1,368	1,382	1,426	-4.1
Primary metals.....	9,317	8,984	8,859	3.7	1.4	-4.3	9,252	9,130	9,024	10,378	-10.8
Fabricated metal products.....	12,765	12,823	12,925	-0.5	-0.8	-3.0	12,796	12,862	13,103	13,617	-6.0
Machinery.....	19,719	19,337	19,370	2.0	-0.2	-2.1	19,906	19,872	19,542	19,930	-0.1
Computers and electronic products.....	12,463	12,316	12,578	1.2	-2.1	-1.4	12,152	12,310	12,704	12,238	-0.7
Electrical equipment, appliances, and components.....	4,177	4,197	4,172	-0.5	0.6	-0.9	4,090	4,235	4,233	4,059	0.8
Transportation equipment.....	95,634	93,663	92,478	2.1	1.3	0.4	95,680	94,072	93,212	83,941	14.0
Furniture and related products.....	1,137	1,110	1,119	2.4	-0.8	-0.1	1,131	1,117	1,120	1,163	-2.8
Miscellaneous products.....	3,814	3,795	3,823	0.5	-0.7	1.2	3,826	3,855	3,852	3,689	3.7
Nondurable goods industries.....	46,462	46,814	46,770	-0.8	0.1	-0.5	46,012	46,366	46,541	50,360	-8.6
Food products.....	4,889	4,956	4,897	-1.4	1.2	0.3	4,550	4,543	4,539	4,207	8.2
Beverage and tobacco products.....	8,966	9,060	9,136	-1.0	-0.8	-0.2	8,846	8,645	8,640	9,165	-3.5
Textiles.....	580	574	590	1.0	-2.7	-0.5	587	582	597	650	-9.7
Textile products.....	327	332	334	-1.5	-0.6	-0.6	333	332	333	385	-13.5
Apparel.....	290	289	290	0.3	-0.3	-2.7	296	302	301	327	-9.5
Leather and allied products.....	83	83	88	0.0	-5.7	0.0	85	85	88	99	-14.1
Paper products.....	1,434	1,411	1,405	1.6	0.4	-0.6	1,447	1,444	1,437	1,474	-1.8
Printing	1,228	1,230	1,208	-0.2	1.8	0.7	1,276	1,248	1,175	1,239	3.0
Petroleum and coal products.....	6,549	6,943	7,092	-5.7	-2.1	-1.9	6,707	7,204	7,330	10,404	-35.5
Chemical products.....	18,942	18,892	18,708	0.3	1.0	-0.5	18,709	18,951	19,080	19,308	-3.1
Plastics and rubber products.....	3,174	3,044	3,022	4.3	0.7	1.3	3,176	3,030	3,021	3,102	2.4
<u>FINISHED GOODS</u>											
All manufacturing industries.....	243,354	243,883	244,092	-0.2	-0.1	-0.7	243,840	246,115	244,840	256,036	-4.8
Durable goods industries.....	115,455	115,979	116,832	-0.5	-0.7	-1.0	114,735	116,790	117,384	121,760	-5.8
Wood products.....	4,473	4,399	4,315	1.7	1.9	-6.4	4,220	4,201	4,163	4,681	-9.8
Nonmetallic mineral products.....	6,906	6,905	6,956	0.0	-0.7	-1.6	6,756	6,848	6,945	7,242	-6.7
Primary metals.....	11,983	11,571	11,992	3.6	-3.5	-0.5	11,757	11,456	11,967	12,167	-3.4
Fabricated metal products.....	19,330	19,218	19,239	0.6	-0.1	-2.0	19,005	19,192	19,395	19,606	-3.1
Machinery.....	22,122	22,222	22,520	-0.5	-1.3	-1.0	22,048	22,183	22,531	24,053	-8.3
Computers and electronic products.....	11,239	11,315	11,536	-0.7	-1.9	-0.5	11,350	11,743	11,636	12,212	-7.1
Electrical equipment, appliances, and components.....	6,756	6,757	6,743	0.0	0.2	0.0	6,672	6,846	6,844	7,072	-5.7
Transportation equipment.....	17,822	18,744	18,709	-4.9	0.2	0.6	18,086	19,333	19,068	19,798	-8.6
Furniture and related products.....	2,552	2,552	2,523	0.0	1.1	-2.0	2,518	2,597	2,578	2,687	-6.3
Miscellaneous products.....	12,272	12,296	12,299	-0.2	0.0	-0.3	12,323	12,391	12,257	12,242	0.7
Nondurable goods industries.....	127,899	127,904	127,260	0.0	0.5	-0.4	129,105	129,325	127,456	134,276	-3.9
Food products.....	30,101	29,873	29,872	0.8	0.0	-0.2	31,227	30,902	29,924	32,201	-3.0
Beverage and tobacco products.....	10,750	10,779	10,783	-0.3	0.0	0.4	10,779	10,847	10,857	10,593	1.8
Textiles.....	1,333	1,349	1,330	-1.2	1.4	-1.4	1,336	1,349	1,330	1,429	-6.5
Textile products.....	2,183	2,194	2,211	-0.5	-0.8	-1.0	2,190	2,193	2,208	2,376	-7.8
Apparel.....	943	955	975	-1.3	-2.1	-1.5	991	1,027	1,035	1,036	-4.3
Leather and allied products.....	453	464	477	-2.4	-2.7	-1.0	449	463	477	481	-6.7
Paper products.....	6,134	6,108	6,159	0.4	-0.8	-0.1	6,085	6,140	6,185	6,220	-2.2
Printing	1,767	1,762	1,767	0.3	-0.3	-0.2	1,761	1,754	1,743	1,775	-0.8
Petroleum and coal products.....	14,721	15,055	14,829	-2.2	1.5	-1.0	15,101	15,231	15,040	17,801	-15.2
Chemical products.....	47,159	47,027	46,488	0.3	1.2	-0.3	46,944	47,194	46,431	46,755	0.4
Plastics and rubber products.....	12,355	12,338	12,369	0.1	-0.3	-1.1	12,242	12,225	12,226	13,609	-10.0

^p Preliminary

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

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

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, September Full Report, November 3, 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>.

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group ¹

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]								
Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ²			
	Sep 2020 ⁰	Aug 2020 ¹	Jul 2020	Jun 2020	Sep 2020 ⁰	Aug 2020 ¹	Jul 2020	Jun 2020
All manufacturing industries ³	1.42	1.43	1.43	1.51	(X)	(X)	(X)	(X)
Durable goods industries ³	1.72	1.72	1.72	1.87	6.59	6.60	6.69	7.01
Wood products.....	1.18	1.21	1.23	1.30	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.19	1.20	1.20	1.23	(X)	(X)	(X)	(X)
Primary metals.....	1.83	1.80	1.84	1.90	1.74	1.68	1.69	1.71
Fabricated metal products.....	1.70	1.70	1.70	1.80	2.54	2.52	2.50	2.57
Machinery.....	2.24	2.21	2.27	2.36	3.54	3.49	3.53	3.59
Computers and electronic products ³	1.44	1.46	1.48	1.54	5.18	5.22	5.28	5.44
Electrical equipment, appliances, and components.....	1.87	1.86	1.86	1.92	2.29	2.25	2.22	2.26
Transportation equipment.....	1.80	1.80	1.76	2.07	14.87	14.91	15.28	16.65
Furniture and related products.....	1.10	1.08	1.07	1.10	1.39	1.38	1.35	1.37
Miscellaneous products.....	1.61	1.63	1.65	1.73	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.11	1.12	1.13	1.15	(X)	(X)	(X)	(X)
Food products.....	0.81	0.81	0.81	0.81	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.84	1.89	1.93	1.95	(X)	(X)	(X)	(X)
Textiles.....	1.38	1.41	1.45	1.51	(X)	(X)	(X)	(X)
Textile products.....	1.96	2.02	2.12	2.09	(X)	(X)	(X)	(X)
Apparel.....	2.03	2.14	2.09	2.14	(X)	(X)	(X)	(X)
Leather and allied products.....	1.85	1.89	2.02	2.21	(X)	(X)	(X)	(X)
Paper products.....	0.92	0.92	0.93	0.96	(X)	(X)	(X)	(X)
Printing.....	0.82	0.83	0.81	0.84	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.78	0.82	0.85	0.90	(X)	(X)	(X)	(X)
Chemical products.....	1.43	1.42	1.42	1.44	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.33	1.32	1.34	1.36	(X)	(X)	(X)	(X)

^x Not Applicable
⁰ Preliminary
¹ Revised data due to late receipts and concurrent seasonal adjustment.
² Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.
³ Unfilled orders to shipments ratio excludes semiconductor manufacturing.
Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.
Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 3, 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>.

Table 8. Revisions to Previously Published Monthly Percent Changes ¹

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]								
Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Sep ² 2020	Sep ³ 2019-Aug 2020	Sep ² 2020	Sep ³ 2019-Aug 2020	Sep ² 2020	Sep ³ 2019-Aug 2020	Sep ² 2020	Sep ³ 2019-Aug 2020
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
Durable goods industries.....	0.1	0.2	0.0	0.6	0.0	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.....	0.1	0.5	0.0	0.6	0.0	0.2	0.0	0.3
Fabricated metal products.....	0.1	0.7	0.0	1.0	-0.1	0.2	-0.2	0.2
Machinery.....	0.2	0.5	0.0	0.6	0.0	0.1	0.0	0.2
Computers and electronic products.....	0.0	0.3	0.0	0.3	0.0	0.1	-0.1	0.1
Electrical equipment, appliances, and components.....	0.4	0.4	1.3	0.5	0.4	0.2	-0.1	0.2
Transportation equipment.....	0.1	0.3	0.0	1.3	0.0	0.1	-0.1	0.1
Furniture and related products.....	(X)	0.6	(X)	0.8	(X)	0.4	(X)	0.4
Miscellaneous products.....	(X)	0.3	(X)	0.3	(X)	0.0	(X)	0.1
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Textiles.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	0.8	(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)	0.2
Petroleum and coal products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.5
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
¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.
² The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.
³ The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.
Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.
Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 3, 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>.