

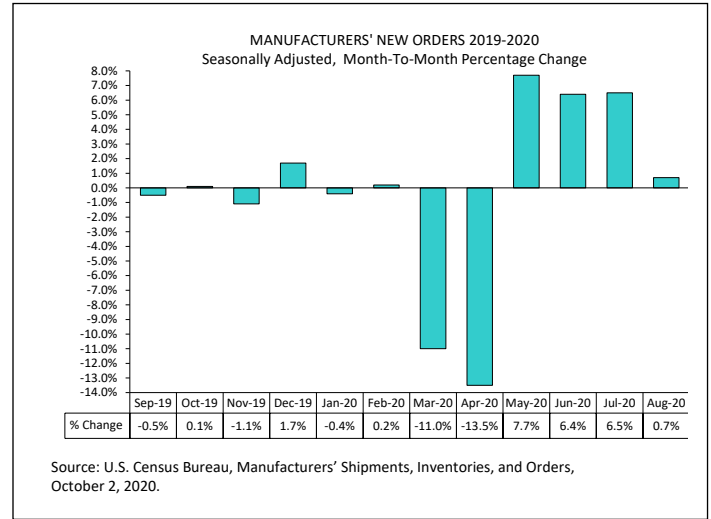
MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS AUGUST 2020

Release Number: CB 20-142 M3-2 (20)-08

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](#)>.

October 2, 2020 — The U.S. Census Bureau announces the August full report on manufacturers' shipments, inventories and orders:

 MANUFACTURED GOODS – NEW ORDERS		
AUGUST 2020	\$470.1 billion	+0.7%°
JULY 2020 (revised)	\$466.9 billion	+6.5%°
Next release: November 3, 2020		
<small>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, October 2, 2020.</small>		



Summary

New orders for manufactured goods in August, up four consecutive months, increased \$3.2 billion or 0.7 percent to \$470.1 billion, the U.S. Census Bureau reported today. This followed a 6.5 percent July increase. Shipments, also up four consecutive months, increased \$1.4 billion or 0.3 percent to \$481.3 billion. This followed a 4.7 percent July increase. Unfilled orders, down five of the last six months, decreased \$6.2 billion or 0.6 percent to \$1,078.6 billion. This followed a 0.7 percent July decrease. The unfilled orders-to-shipments ratio was 6.60, down from 6.69 in July. Inventories, up three of the last four months, increased \$0.2 billion or virtually unchanged to \$686.6 billion. This followed a 0.6 percent July decrease. The inventories-to-shipments ratio was 1.43, unchanged from July.

New Orders

New orders for manufactured durable goods in August, up four consecutive months, increased \$1.3 billion or 0.5 percent to \$233.2 billion, up from the previously published 0.4 percent increase. This followed an

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11.8 percent July increase. Machinery, also up four consecutive months, led the increase, \$0.5 billion or 1.5 percent to \$31.2 billion. New orders for manufactured nondurable goods increased \$1.9 billion or 0.8 percent to \$236.9 billion.

Shipments

Shipments of manufactured durable goods in August, down following three consecutive monthly increases, decreased \$0.5 billion or 0.2 percent to \$244.3 billion, up from the previously published 0.3 percent decrease. This followed a 7.6 percent July increase. Transportation equipment, also down following three consecutive monthly increases, drove the decrease, \$1.4 billion or 1.7 percent to \$81.6 billion. Shipments of manufactured nondurable goods, up four consecutive months, increased \$1.9 billion or 0.8 percent to \$236.9 billion. This followed a 1.8 percent July increase. Petroleum and coal products, also up four consecutive months, led the increase, \$1.6 billion or 4.2 percent to \$39.6 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in August, down five of the last six months, decreased \$6.2 billion or 0.6 percent to \$1,078.6 billion, unchanged from the previously published decrease. This followed a 0.7 percent July decrease. Transportation equipment, down six consecutive months, drove the decrease, \$6.8 billion or 0.9 percent to \$728.1 billion.

Inventories

Inventories of manufactured durable goods in August, down three consecutive months, decreased \$0.6 billion or 0.1 percent to \$420.4 billion, unchanged from the previously published decrease. This followed a 0.8 percent July decrease. Machinery, down seven of the last eight months, led the decrease, \$0.4 billion or 0.6 percent to \$69.1 billion. Inventories of manufactured nondurable goods, up three of the last four months, increased \$0.8 billion or 0.3 percent to \$266.2 billion. This followed a 0.2 percent July decrease. Chemical products, up two of the last three months, led the increase, \$0.5 billion or 0.5 percent to \$96.9 billion. By stage of fabrication, August materials and supplies decreased 0.4 percent in durable goods and were virtually unchanged in nondurable goods. Work in process increased 0.4 percent in durable goods and 0.3 percent in nondurable goods. Finished goods decreased 0.6 percent in durable goods and increased 0.5 percent in nondurable goods.

The Advance Report on durable goods for September is scheduled for release on October 27, 2020 at 8:30 a.m. EDT and the Full Report on November 3, 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>.

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EXPLANATORY NOTES

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

“Virtually unchanged” indicates that the change is less than 0.05 percent for a percent increase or decrease.

Description of the survey

This report is compiled from results of the U.S. Census Bureau’s Manufacturers’ Shipments, Inventories, and Orders (M3) survey, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). Data published from the M3 survey are based on a panel of approximately 5,000 reporting units that represent approximately 3,100 companies and provide an indication of month-to-month change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-month movements of all establishments that make up the category. The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 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 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

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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.

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.

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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		
	Aug. 2020 ^p	July 2020 ^r	June 2020	July - Aug.	June - July	May - June	Aug. 2020 ^p	July 2020 ^f	June 2020	Aug. 2019	2020 ^p	2019	% Change 2020/2019
All manufacturing industries ²	470,135	466,927	438,247	0.7	6.5	6.4	474,232	452,865	463,716	508,829	3,592,427	3,955,838	-9.2
Excluding transportation ²	395,335	392,448	383,203	0.7	2.4	4.8	400,629	389,763	402,201	421,212	3,106,806	3,288,260	-5.5
Excluding defense ²	455,056	451,279	426,502	0.8	5.8	7.3	461,958	441,840	448,788	494,933	3,481,702	3,850,211	-9.6
With unfilled orders ²	157,327	154,253	140,648	2.0	9.7	-4.0	154,691	144,815	153,363	172,235	1,211,517	1,365,765	-11.3
Durable goods industries ²	233,187	231,914	207,474	0.5	11.8	7.7	232,626	216,865	225,274	247,935	1,716,370	1,935,536	-11.3
Primary metals.....	18,482	18,189	17,897	1.6	1.6	4.6	18,514	17,519	18,636	19,892	147,700	164,246	-10.1
Iron and steel mills.....	9,258	9,195	8,979	0.7	2.4	0.8	9,297	8,984	9,332	10,255	75,156	86,985	-13.6
Aluminum and nonferrous metals.....	7,986	7,632	7,611	4.6	0.3	8.6	7,958	7,160	7,912	8,099	62,142	65,017	-4.4
Ferrous metal foundries.....	1,238	1,362	1,307	-9.1	4.2	10.1	1,259	1,375	1,392	1,538	10,402	12,244	-15.0
Fabricated metal products.....	30,114	30,491	29,364	-1.2	3.8	5.7	31,190	30,321	31,366	33,406	241,986	258,131	-6.3
Machinery.....	31,227	30,761	29,916	1.5	2.8	3.8	30,381	29,842	32,088	31,320	245,611	258,138	-4.9
Construction machinery.....	2,679	2,644	2,596	1.3	1.8	11.8	2,517	2,600	2,480	2,649	20,434	22,385	-8.7
Mining, oil field, and gas field machinery.....	1,090	1,049	1,030	3.9	1.8	0.5	1,064	980	1,065	1,446	9,316	11,179	-16.7
Industrial machinery.....	3,196	3,068	3,018	4.2	1.7	-5.4	3,185	2,799	3,300	3,015	24,745	22,932	7.9
Photographic equipment.....	559	540	505	3.5	6.9	-10.3	509	565	572	488	4,139	3,839	7.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,157	4,192	3,836	-0.8	9.3	11.4	4,176	4,514	4,810	4,063	31,296	32,419	-3.5
Metalworking machinery.....	2,478	2,487	2,595	-0.4	-4.2	9.5	2,410	2,388	2,687	2,379	19,827	20,789	-4.6
Turbines, generators, and other power transmission equipment.....	3,677	3,740	3,647	-1.7	2.6	1.5	3,725	3,612	3,780	4,204	30,105	32,781	-8.2
Material handling equipment.....	2,704	2,565	2,571	5.4	-0.2	3.9	2,595	2,410	2,917	2,803	21,277	23,054	-7.7
Computers and electronic products ²	24,884	24,577	23,879	1.2	2.9	-0.1	23,936	22,465	26,538	22,574	186,957	183,503	1.9
Computers.....	536	545	531	-1.7	2.6	-1.5	605	509	645	614	4,240	4,835	-12.3
Nondefense communications equipment.....	3,981	3,829	3,472	4.0	10.3	-1.1	3,494	3,391	4,240	2,948	27,370	25,465	7.5
Defense communications equipment.....	263	257	233	2.3	10.3	-1.7	258	247	223	229	1,805	1,766	2.2
Electronic components.....	4,209	4,198	4,109	0.3	2.2	-0.5	4,426	4,255	4,294	4,269	33,416	31,096	7.5
Nondefense search and navigation equipment.....	1,662	1,662	1,656	0.0	0.4	2.0	1,608	1,457	1,837	1,537	12,772	13,178	-3.1
Defense search and navigation equipment.....	2,935	3,005	3,126	-2.3	-3.9	2.1	2,630	2,439	3,488	2,706	23,130	23,809	-2.9
Electromedical, measuring, and control instruments.....	9,110	8,930	8,810	2.0	1.4	0.4	8,808	8,245	9,578	8,583	69,062	70,568	-2.1
Electrical equipment, appliances, and components.....	10,757	10,840	10,313	-0.8	5.1	2.0	10,924	10,514	11,030	11,459	85,431	87,831	-2.7
Electric lighting equipment.....	943	983	965	-4.1	1.9	8.1	971	961	1,018	1,102	7,612	8,241	-7.6
Household appliances.....	2,156	2,225	2,034	-3.1	9.4	7.1	2,120	2,068	2,133	2,053	15,192	14,835	2.4
Electrical equipment.....	2,922	2,901	2,899	0.7	0.1	-1.2	2,925	2,830	3,326	3,470	25,318	27,555	-8.1
Transportation equipment.....	74,800	74,479	55,044	0.4	35.3	19.5	73,603	63,102	61,515	87,617	485,621	667,578	-27.3
Motor vehicle bodies, parts, and trailers.....	28,701	29,043	26,703	-1.2	8.8	26.7	29,663	26,270	27,919	30,200	209,864	227,014	-7.6
Nondefense aircraft and parts ³	-2,784	-5,970	-10,507	(NA)	(NA)	-467.6	-3,795	-4,074	-9,905	7,295	-27,309	72,288	-137.8
Defense aircraft and parts.....	4,325	4,616	2,634	-6.3	75.2	-29.2	2,994	3,764	3,689	3,801	29,568	34,444	-14.2
Ships and boats.....	3,188	3,724	2,097	-14.4	77.6	-17.7	2,283	1,522	3,821	3,941	25,125	24,381	3.1
Furniture and related products.....	6,617	6,692	6,532	-1.1	2.4	7.9	6,734	6,545	6,594	6,733	52,314	53,356	-2.0
Nondurable goods industries.....	236,948	235,013	230,773	0.8	1.8	5.3	241,606	236,000	238,442	260,894	1,876,057	2,020,302	-7.1

^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, August Full Report, October 2, 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 August 2020/ 2019
	Aug. 2020 ^p	July 2020 ^r	June 2020	July - Aug.	June - July	May - June	Aug. 2020 ^p	July 2020 ^r	June 2020	Aug. 2019	
All manufacturing industries ²	1,078,631	1,084,809	1,092,630	-0.6	-0.7	-1.4	1,074,691	1,085,963	1,095,100	1,145,026	-6.1
Excluding transportation ²	350,578	349,908	349,111	0.2	0.2	0.1	349,945	351,601	351,493	349,792	0.0
Excluding defense ²	856,508	863,886	873,389	-0.9	-1.1	-1.5	855,653	865,594	873,301	942,016	-9.2
Durable goods industries ²	1,078,631	1,084,809	1,092,630	-0.6	-0.7	-1.4	1,074,691	1,085,963	1,095,100	1,145,026	-6.1
Primary metals.....	30,791	30,654	30,584	0.4	0.2	0.1	30,500	30,613	30,779	31,035	-1.7
Iron and steel mills.....	12,873	12,779	12,771	0.7	0.1	-0.7	12,925	12,957	12,989	13,913	-7.1
Aluminum and nonferrous metals.....	12,462	12,414	12,474	0.4	-0.5	-0.2	12,096	12,194	12,512	12,212	-0.9
Ferrous metal foundries.....	5,456	5,461	5,339	-0.1	2.3	2.7	5,479	5,462	5,278	4,910	11.6
Fabricated metal products.....	73,049	72,996	72,692	0.1	0.4	0.3	73,959	74,163	73,616	76,333	-3.1
Machinery.....	97,396	97,237	97,024	0.2	0.2	0.1	97,162	97,486	97,165	96,403	0.8
Construction machinery.....	5,296	5,226	5,166	1.3	1.2	1.8	5,007	5,042	4,992	5,709	-12.3
Mining, oil field, and gas field machinery.....	3,665	3,639	3,677	0.7	-1.0	-2.9	3,665	3,639	3,677	4,169	-12.1
Industrial machinery.....	8,586	8,597	8,627	-0.1	-0.3	-1.0	8,476	8,501	8,589	8,722	-2.8
Photographic equipment.....	950	977	1,024	-2.8	-4.6	-2.7	884	926	954	999	-11.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,336	7,201	7,050	1.9	2.1	2.3	7,256	7,272	7,208	6,723	7.9
Metalworking machinery.....	8,302	8,289	8,217	0.2	0.9	2.2	8,398	8,407	8,263	8,081	3.9
Turbines, generators, and other power transmission equipment.....	23,357	23,500	23,447	-0.6	0.2	-0.6	23,357	23,500	23,447	23,914	-2.3
Material handling equipment.....	11,058	11,006	11,032	0.5	-0.2	-0.1	11,098	11,186	11,253	10,810	2.7
Computers and electronic products ²	118,737	118,648	118,708	0.1	-0.1	0.1	117,861	118,663	119,135	116,914	0.8
Computers.....	1,835	1,853	1,864	-1.0	-0.6	-2.2	1,835	1,853	1,864	1,908	-3.8
Nondefense communications equipment.....	24,989	24,868	24,836	0.5	0.1	0.0	24,840	24,860	24,806	24,544	1.2
Defense communications equipment.....	668	698	716	-4.3	-2.5	-6.9	671	697	707	975	-31.2
Electronic components.....	14,390	14,523	14,694	-0.9	-1.2	-0.5	14,184	14,415	14,525	14,068	0.8
Nondefense search and navigation equipment.....	22,247	22,098	21,959	0.7	0.6	0.7	22,206	22,111	22,001	21,227	4.6
Defense search and navigation equipment.....	30,757	30,784	30,840	-0.1	-0.2	0.4	30,535	30,867	31,228	30,877	-1.1
Electromedical, measuring, and control instruments.....	23,851	23,824	23,799	0.1	0.1	0.0	23,590	23,860	24,004	23,315	1.2
Electrical equipment, appliances, and components.....	22,041	21,859	21,621	0.8	1.1	0.0	22,025	22,032	21,885	20,953	5.1
Electric lighting equipment.....	1,654	1,680	1,675	-1.5	0.3	0.7	1,653	1,696	1,703	1,587	4.2
Household appliances.....	2,115	2,007	1,866	5.4	7.6	8.6	2,060	2,033	1,892	1,436	43.5
Electrical equipment.....	8,642	8,588	8,561	0.6	0.3	-0.4	8,641	8,677	8,622	8,710	-0.8
Transportation equipment.....	728,053	734,901	743,519	-0.9	-1.2	-2.0	724,746	734,362	743,607	795,234	-8.9
Motor vehicle bodies, parts, and trailers.....	21,129	21,021	21,133	0.5	-0.5	3.7	20,671	20,447	20,754	20,434	1.2
Nondefense aircraft and parts.....	484,883	492,998	502,915	-1.6	-2.0	-2.8	484,946	493,699	501,203	572,430	-15.3
Defense aircraft and parts.....	84,279	84,078	83,737	0.2	0.4	-1.6	82,678	83,756	83,812	78,021	6.0
Ships and boats.....	49,907	49,455	48,344	0.9	2.3	-0.6	49,243	49,633	50,470	42,238	16.6
Furniture and related products.....	7,993	7,941	7,913	0.7	0.4	-0.6	7,867	8,071	8,344	7,579	3.8

^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, August Full Report, October 2, 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 August 2020/ 2019
	Aug. 2020 ^p	July 2020 ^r	June 2020	July - Aug.	June - July	May - June	Aug. 2020 ^p	July 2020 ^r	June 2020	Aug. 2019	
All manufacturing industries.....	686,554	686,399	690,353	0.0	-0.6	0.5	690,229	690,088	687,081	697,929	-1.1
Excluding transportation.....	539,983	540,375	543,971	-0.1	-0.7	0.2	542,495	542,648	542,085	562,257	-3.5
Excluding defense.....	661,077	661,107	664,949	0.0	-0.6	0.5	664,636	664,717	661,636	673,045	-1.2
With unfilled orders.....	343,237	343,741	346,587	-0.1	-0.8	-0.1	346,106	346,790	345,768	341,739	1.3
Durable goods industries.....	420,390	420,990	424,468	-0.1	-0.8	-0.1	423,653	424,360	422,750	421,244	0.6
Wood products.....	11,745	11,638	11,619	0.9	0.2	0.4	11,588	11,356	11,352	11,959	-3.1
Nonmetallic mineral products.....	14,010	14,128	14,303	-0.8	-1.2	-0.7	13,964	14,152	14,438	14,459	-3.4
Primary metals.....	33,020	33,310	33,935	-0.9	-1.8	-2.2	33,189	33,527	33,839	35,981	-7.8
Iron and steel mills.....	18,185	18,551	18,998	-2.0	-2.4	-2.3	18,319	18,683	18,934	20,370	-10.1
Aluminum and nonferrous metals.....	12,759	12,673	12,806	0.7	-1.0	-2.2	12,818	12,767	12,789	13,392	-4.3
Ferrous metal foundries.....	2,076	2,086	2,131	-0.5	-2.1	-1.3	2,052	2,077	2,116	2,219	-7.5
Fabricated metal products.....	51,190	51,434	52,530	-0.5	-2.1	-1.6	51,419	52,072	52,655	53,960	-4.7
Machinery.....	69,056	69,488	70,398	-0.6	-1.3	-0.8	69,818	69,869	70,143	73,202	-4.6
Farm machinery.....	3,648	3,674	3,729	-0.7	-1.5	-2.7	3,531	3,595	3,668	3,875	-8.9
Construction machinery.....	5,997	6,060	6,136	-1.0	-1.2	-0.6	6,018	6,056	6,138	6,604	-8.9
Mining, oil field, and gas field machinery.....	4,799	4,863	4,682	-1.3	3.9	-3.5	4,858	4,823	4,631	5,590	-13.1
Industrial machinery.....	9,796	9,793	9,903	0.0	-1.1	1.1	10,021	9,733	10,032	9,348	7.2
Photographic equipment.....	1,414	1,427	1,437	-0.9	-0.7	-0.6	1,457	1,446	1,407	1,497	-2.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,858	4,971	5,351	-2.3	-7.1	-2.4	4,876	5,068	5,413	5,737	-15.0
Metalworking machinery.....	5,843	5,905	5,974	-1.0	-1.2	-1.0	5,931	5,949	5,882	6,334	-6.4
Turbines, generators, and other power transmission equipment.....	9,259	9,295	9,430	-0.4	-1.4	-1.0	9,452	9,516	9,397	9,934	-4.9
Material handling equipment.....	4,746	4,798	4,793	-1.1	0.1	-1.3	4,843	4,893	4,803	5,328	-9.1
Computers and electronic products ²	43,819	43,976	44,203	-0.4	-0.5	0.0	44,360	44,450	44,129	44,431	-0.2
Computers.....	1,851	1,849	1,861	0.1	-0.6	-2.6	1,929	1,914	1,910	1,882	2.5
Computer storage devices.....	966	956	964	1.0	-0.8	1.0	1,007	1,027	956	1,050	-4.1
Other peripheral equipment.....	1,039	1,050	1,072	-1.0	-2.1	0.1	1,063	1,063	1,064	1,044	1.8
Nondefense communications equipment.....	4,572	4,576	4,540	-0.1	0.8	-0.2	4,734	4,593	4,554	4,666	1.5
Defense communications equipment.....	666	670	660	-0.6	1.5	-0.3	666	670	660	678	-1.8
Audio and video equipment.....	489	517	604	-5.4	-14.4	-14.0	520	522	588	676	-23.1
Electronic components.....	7,648	7,787	7,885	-1.8	-1.2	-0.9	7,499	7,862	7,824	7,713	-2.8
Nondefense search and navigation equipment.....	2,929	2,932	2,959	-0.1	-0.9	0.3	2,970	2,967	2,934	2,858	3.9
Defense search and navigation equipment.....	2,681	2,675	2,665	0.2	0.4	0.2	2,708	2,711	2,670	2,738	-1.1
Electromedical, measuring and control instruments.....	15,487	15,468	15,493	0.1	-0.2	1.4	15,720	15,635	15,471	15,271	2.9
Electrical equipment, appliances, and components.....	19,699	19,746	19,795	-0.2	-0.2	-0.1	19,903	20,057	19,936	20,118	-1.1
Electric lighting equipment.....	2,002	2,018	2,026	-0.8	-0.4	-0.1	2,015	2,048	2,029	2,107	-4.4
Household appliances.....	2,354	2,362	2,382	-0.3	-0.8	1.0	2,436	2,415	2,381	2,824	-13.7
Electrical equipment.....	6,481	6,472	6,504	0.1	-0.5	0.0	6,469	6,536	6,508	6,398	1.1
Batteries.....	1,837	1,844	1,854	-0.4	-0.5	-0.1	1,952	1,963	1,958	1,985	-1.7
Transportation equipment.....	146,571	146,024	146,382	0.4	-0.2	1.4	147,734	147,440	144,996	135,672	8.9
Automobiles.....	5,593	5,681	5,805	-1.5	-2.1	-1.4	5,690	5,841	5,620	5,959	-4.5
Light trucks and utility vehicles.....	5,080	5,128	5,217	-0.9	-1.7	11.0	5,260	5,359	4,848	5,566	-5.5
Heavy duty trucks.....	1,951	1,837	1,880	6.2	-2.3	-3.0	1,936	1,946	1,923	1,949	-0.7
Motor vehicle bodies, parts, and trailers.....	26,414	26,489	27,226	-0.3	-2.7	-1.4	26,576	26,783	26,831	26,784	-0.8
Nondefense aircraft and parts.....	78,066	77,726	76,923	0.4	1.0	2.4	78,376	78,058	76,664	67,262	16.5
Defense aircraft and parts.....	12,440	12,327	12,476	0.9	-1.2	1.3	12,461	12,372	12,422	12,040	3.5
Ships and boats.....	4,241	4,151	4,084	2.2	1.6	-2.3	4,333	4,177	4,133	4,136	4.8
Furniture and related products.....	7,116	7,120	7,214	-0.1	-1.3	-0.7	7,201	7,229	7,376	7,610	-5.4
Miscellaneous durable goods.....	24,164	24,126	24,089	0.2	0.2	-0.3	24,477	24,208	23,886	23,852	2.6
Nondurable goods industries.....	266,164	265,409	265,885	0.3	-0.2	1.4	266,576	265,728	264,331	276,685	-3.7
Food products.....	54,614	54,597	54,441	0.0	0.3	0.0	54,959	54,224	53,240	55,628	-1.2
Grain and oilseed milling.....	5,240	5,273	5,203	-0.6	1.3	-0.5	5,169	5,139	5,048	5,230	-1.2
Dairy products.....	8,498	8,487	8,322	0.1	2.0	0.8	8,599	8,747	8,531	8,471	1.5
Meat, poultry, and seafood products.....	9,303	9,210	9,286	1.0	-0.8	-0.5	9,386	9,295	9,147	10,103	-7.1
Beverage and tobacco products.....	25,547	25,684	25,710	-0.5	-0.1	0.2	24,834	24,997	25,191	24,951	-0.5
Beverages.....	21,691	21,782	21,798	-0.4	-0.1	0.1	21,268	21,365	21,453	21,176	0.4
Tobacco.....	3,856	3,902	3,912	-1.2	-0.3	0.4	3,566	3,632	3,738	3,775	-5.5
Textile mills.....	3,052	3,061	3,105	-0.3	-1.4	-2.0	3,072	3,083	3,112	3,263	-5.9
Textile products.....	3,719	3,737	3,763	-0.5	-0.7	-0.7	3,722	3,737	3,741	3,979	-6.5
Apparel.....	1,802	1,821	1,838	-1.0	-0.9	-0.1	1,901	1,901	1,856	1,966	-3.3
Leather and allied products.....	828	844	853	-1.9	-1.1	-0.5	830	853	855	868	-4.4
Paper products.....	15,188	15,162	15,313	0.2	-1.0	0.4	15,329	15,293	15,274	15,455	-0.8
Pulp, paper, and paperboard mills.....	5,665	5,652	5,688	0.2	-0.6	0.3	5,670	5,660	5,672	5,811	-2.4
Paperboard containers.....	5,401	5,374	5,494	0.5	-2.2	0.4	5,474	5,438	5,471	5,460	0.3
Printing.....	5,710	5,672	5,679	0.7	-0.1	0.0	5,740	5,619	5,603	5,677	1.1
Petroleum and coal products.....	32,668	32,214	32,274	1.4	-0.2	11.5	32,836	32,780	32,212	39,317	-16.5
Petroleum refineries.....	27,302	26,713	26,696	2.2	0.1	14.9	27,435	27,204	26,575	33,429	-17.9
Chemical products.....	96,902	96,414	96,559	0.5	-0.2	0.7	97,313	97,077	96,949	97,996	-0.7
Pesticides, fertilizers, and other agricultural chemicals.....	5,499	5,474	5,526	0.5	-0.9	0.7	5,239	5,200	5,235	5,332	-1.7
Pharmaceuticals and medicines.....	46,008	45,604	45,540	0.9	0.1	1.0	46,377	46,171	46,503	45,038	3.0
Paints, coatings, and adhesives.....	3,858	3,832	3,841	0.7	-0.2	-1.1	3,777	3,839	3,891	3,986	-5.2
Plastics and rubber products.....	26,134	26,203	26,350	-0.3	-0.6	-0.8	26,040	26,164	26,298	27,585	-5.6

^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, August Full Report, October 2, 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						% Change ⁶ 2020/ 2019
	Monthly			Percent Change			Monthly				Year to date		
	Aug. 2020 ^p	July 2020 ^r	June 2020	July - Aug.	June - July	May - June	Aug. 2020 ^p	July 2020 ^r	June 2020	Aug. 2019	2020 ^p	2019	
SHIPMENTS													
All manufacturing industries.....	481,280	479,889	458,275	0.3	4.7	10.0	490,971	467,059	483,749	518,607	3,697,695	4,012,908	-7.9
Construction materials and supplies.....	52,270	51,887	50,010	0.7	3.8	5.0	55,748	54,517	55,314	56,671	409,419	417,822	-2.0
Information technology.....	24,963	24,780	23,902	0.7	3.7	0.2	24,691	23,169	26,649	23,564	188,380	186,396	1.1
Computers and related products.....	1,909	1,860	1,702	2.6	9.3	-7.4	1,887	1,674	2,167	1,660	13,770	12,723	8.2
Motor vehicle and parts.....	61,319	64,152	51,876	-4.4	23.7	82.9	63,531	55,950	55,343	65,019	393,039	485,941	-19.1
Capital goods.....	82,317	80,146	78,420	2.7	2.2	3.7	81,139	75,401	85,810	83,989	633,793	678,478	-6.6
Nondefense capital goods ³	70,128	67,900	66,248	3.3	2.5	4.8	69,209	64,543	73,193	71,853	538,652	583,672	-7.7
Excluding aircraft.....	67,231	66,255	64,351	1.5	3.0	3.7	66,529	63,228	70,671	66,564	512,740	524,933	-2.3
Defense capital goods ⁴	12,189	12,246	12,172	-0.5	0.6	-1.6	11,930	10,858	12,617	12,136	95,141	94,806	0.4
Consumer goods.....	201,134	202,058	189,647	-0.5	6.5	17.4	205,346	195,781	194,741	220,061	1,504,095	1,690,800	-11.0
Consumer durable goods.....	44,135	46,656	36,986	-5.4	26.1	103.5	45,333	40,017	38,835	45,838	270,460	342,821	-21.1
Consumer nondurable goods.....	156,999	155,402	152,661	1.0	1.8	6.5	160,013	155,764	155,906	174,223	1,233,635	1,347,979	-8.5
NEW ORDERS													
All manufacturing industries ⁵	470,135	466,927	438,247	0.7	6.5	6.4	474,232	452,865	463,716	508,829	3,592,427	3,955,838	-9.2
Construction materials and supplies.....	52,464	51,977	50,167	0.9	3.6	5.6	55,568	54,512	55,588	56,285	409,665	420,495	-2.6
Information technology.....	25,204	24,909	23,938	1.2	4.1	-0.2	24,123	22,737	26,579	22,816	189,402	187,758	0.9
Computers and related products.....	1,891	1,849	1,661	2.3	11.3	-8.1	1,869	1,663	2,126	1,629	13,597	12,640	7.6
Motor vehicle and parts.....	61,427	64,040	52,624	-4.1	21.7	85.4	63,755	55,643	55,393	65,082	392,962	484,472	-18.9
Capital goods.....	76,706	72,596	63,458	5.7	14.4	-15.7	72,309	67,732	71,505	80,737	569,646	661,024	-13.8
Nondefense capital goods ³	63,058	58,475	52,665	7.8	11.0	-15.5	60,830	57,750	58,383	68,345	468,661	568,705	-17.6
Excluding aircraft.....	67,834	66,585	64,885	1.9	2.6	4.3	65,941	63,272	70,067	64,641	518,124	525,473	-1.4
Defense capital goods ⁴	13,648	14,121	10,793	-3.3	30.8	-16.7	11,479	9,982	13,122	12,392	100,985	92,319	9.4
Consumer goods.....	201,290	202,290	189,822	-0.5	6.6	17.3	205,440	196,027	194,793	220,081	1,504,874	1,691,062	-11.0
Consumer durable goods.....	44,291	46,888	37,161	-5.5	26.2	102.3	45,427	40,263	38,887	45,858	271,239	343,083	-20.9
Consumer nondurable goods.....	156,999	155,402	152,661	1.0	1.8	6.5	160,013	155,764	155,906	174,223	1,233,635	1,347,979	-8.5
UNFILLED ORDERS													
All manufacturing industries ⁵	1,078,631	1,084,809	1,092,630	-0.6	-0.7	-1.4	1,074,691	1,085,963	1,095,100	1,145,026	(X)	(X)	-6.1
Construction materials and supplies.....	50,762	50,568	50,478	0.4	0.2	0.3	51,363	51,543	51,548	54,368	(X)	(X)	-5.5
Information technology.....	114,927	114,686	114,557	0.2	0.1	0.0	114,232	114,800	115,232	113,065	(X)	(X)	1.0
Computers and related products.....	1,835	1,853	1,864	-1.0	-0.6	-2.2	1,835	1,853	1,864	1,908	(X)	(X)	-3.8
Motor vehicle and parts.....	21,129	21,021	21,133	0.5	-0.5	3.7	20,671	20,447	20,754	20,434	(X)	(X)	1.2
Capital goods.....	775,429	781,040	788,590	-0.7	-1.0	-1.9	774,126	782,956	790,625	848,564	(X)	(X)	-8.8
Nondefense capital goods ³	593,802	600,872	610,297	-1.2	-1.5	-2.2	594,673	603,052	609,845	685,331	(X)	(X)	-13.2
Excluding aircraft.....	218,043	217,440	217,110	0.3	0.2	0.2	217,518	218,106	218,062	213,955	(X)	(X)	1.7
Defense capital goods ⁴	181,627	180,168	178,293	0.8	1.1	-0.8	179,453	179,904	180,780	163,233	(X)	(X)	9.9
Consumer goods.....	5,576	5,420	5,188	2.9	4.5	3.5	5,469	5,375	5,129	4,481	(X)	(X)	22.0
Consumer durable goods.....	5,576	5,420	5,188	2.9	4.5	3.5	5,469	5,375	5,129	4,481	(X)	(X)	22.0
TOTAL INVENTORIES													
All manufacturing industries.....	686,554	686,399	690,353	0.0	-0.6	0.5	690,229	690,088	687,081	697,929	(X)	(X)	-1.1
Construction materials and supplies.....	68,579	68,866	70,287	-0.4	-2.0	-1.4	68,521	69,176	70,314	72,305	(X)	(X)	-5.2
Information technology.....	39,270	39,321	39,434	-0.1	-0.3	0.1	39,958	39,791	39,417	39,330	(X)	(X)	1.6
Computers and related products.....	3,856	3,855	3,897	0.0	-1.1	-1.0	3,999	4,004	3,930	3,976	(X)	(X)	0.6
Motor vehicle and parts.....	39,038	39,135	40,128	-0.2	-2.5	0.0	39,462	39,929	39,222	40,258	(X)	(X)	-2.0
Capital goods.....	214,143	213,905	213,903	0.1	0.0	0.6	216,354	215,727	213,750	207,050	(X)	(X)	4.5
Nondefense capital goods ³	192,900	192,838	192,762	0.0	0.0	0.6	195,016	194,626	192,514	186,287	(X)	(X)	4.7
Excluding aircraft.....	127,552	127,671	128,443	-0.1	-0.6	-0.4	129,198	128,967	128,403	130,365	(X)	(X)	-0.9
Defense capital goods ⁴	21,243	21,067	21,141	0.8	-0.4	0.5	21,338	21,101	21,236	20,763	(X)	(X)	2.8
Consumer goods.....	203,212	202,734	202,994	0.2	-0.1	2.1	204,189	203,203	201,193	212,249	(X)	(X)	-3.8
Consumer durable goods.....	30,901	31,120	31,499	-0.7	-1.2	1.1	31,515	31,424	30,632	33,203	(X)	(X)	-5.1
Consumer nondurable goods.....	172,311	171,614	171,495	0.4	0.1	2.3	172,674	171,779	170,561	179,046	(X)	(X)	-3.6

^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, August Full Report, October 2, 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			
	Aug 2020 ⁰	Jul 2020 ¹	Jun 2020	May 2020	Aug 2020 ⁰	Jul 2020 ¹	Jun 2020	May 2020
All manufacturing industries ³	1.43	1.43	1.51	1.65	(X)	(X)	(X)	(X)
Durable goods industries ³	1.72	1.72	1.87	2.15	6.60	6.69	7.01	7.56
Wood products.....	1.21	1.23	1.30	1.33	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.19	1.20	1.23	1.28	(X)	(X)	(X)	(X)
Primary metals.....	1.80	1.84	1.90	2.07	1.68	1.69	1.71	1.82
Fabricated metal products.....	1.70	1.70	1.80	1.93	2.51	2.50	2.57	2.70
Machinery.....	2.22	2.27	2.36	2.47	3.49	3.53	3.59	3.69
Computers and electronic products ³	1.47	1.48	1.54	1.54	5.25	5.28	5.44	5.44
Electrical equipment, appliances, and components.....	1.86	1.86	1.92	1.96	2.25	2.22	2.26	2.31
Transportation equipment.....	1.80	1.76	2.07	3.10	14.88	15.28	16.65	19.31
Furniture and related products.....	1.08	1.07	1.10	1.20	1.37	1.35	1.37	1.47
Miscellaneous products.....	1.64	1.65	1.73	1.88	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.12	1.13	1.15	1.20	(X)	(X)	(X)	(X)
Food products.....	0.81	0.81	0.81	0.81	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.90	1.93	1.95	2.00	(X)	(X)	(X)	(X)
Textiles.....	1.41	1.45	1.51	1.66	(X)	(X)	(X)	(X)
Textile products.....	2.04	2.12	2.09	2.23	(X)	(X)	(X)	(X)
Apparel.....	2.14	2.09	2.14	2.16	(X)	(X)	(X)	(X)
Leather and allied products.....	1.90	2.02	2.21	2.51	(X)	(X)	(X)	(X)
Paper products.....	0.93	0.93	0.96	0.95	(X)	(X)	(X)	(X)
Printing.....	0.83	0.81	0.84	0.90	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.82	0.85	0.90	1.03	(X)	(X)	(X)	(X)
Chemical products.....	1.42	1.42	1.44	1.47	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.32	1.34	1.36	1.42	(X)	(X)	(X)	(X)

⁰ Not Applicable

¹ Preliminary

² Revised data due to late receipts and concurrent seasonal adjustment.

³ 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.

⁴ 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, August Full Report, October 2, 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	
	Aug ² 2020	Aug ³ 2019-Jul 2020	Aug ² 2020	Aug ³ 2019-Jul 2020	Aug ² 2020	Aug ³ 2019-Jul 2020	Aug ² 2020	Aug ³ 2019-Jul 2020
	All manufacturing industries.....	(X)	0.2	(X)	0.2	(X)	0.1	(X)
Durable goods industries.....	0.1	0.3	0.1	0.6	0.0	0.1	0.0	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.....	0.4	0.5	0.4	0.6	0.0	0.2	0.0	0.2
Fabricated metal products.....	0.0	0.7	0.1	0.9	0.1	0.2	-0.1	0.2
Machinery.....	0.0	0.5	0.0	0.6	0.1	0.1	0.0	0.2
Computers and electronic products.....	0.0	0.2	0.0	0.4	0.0	0.1	-0.1	0.1
Electrical equipment, appliances, and components.....	0.4	0.4	0.7	0.5	0.0	0.2	0.0	0.2
Transportation equipment.....	0.0	0.3	-0.1	1.2	0.0	0.1	0.1	0.1
Furniture and related products.....	(X)	0.6	(X)	0.8	(X)	0.3	(X)	0.4
Miscellaneous products.....	(X)	0.3	(X)	0.3	(X)	0.1	(X)	0.0
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)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
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)	0.6
Chemical products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.0
Plastics and rubber products.....	(X)	0.4	(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, August Full Report, October 2, 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>.