


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

Release Number: CB 20-83 M3-2 (20)-04

Statement Regarding COVID-19 Impact: Due to recent events surrounding COVID-19, many businesses are operating on a limited capacity or have ceased operations completely. The Census Bureau has monitored response and data quality and determined estimates in this release meet publication standards. For more information on the compilation of this month's reports, see < [M3 COVID-19 FAQs](#)>.

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

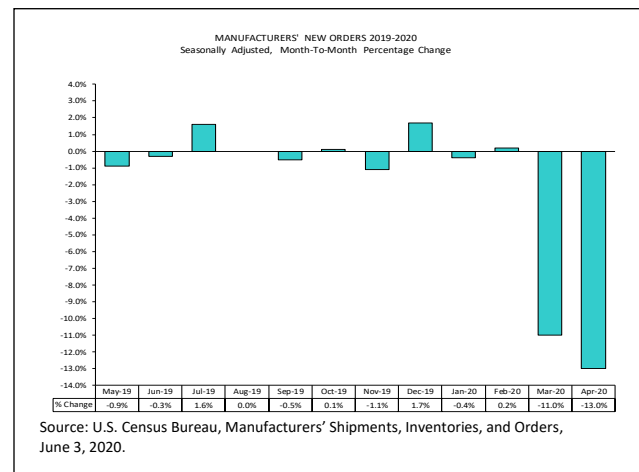


MANUFACTURED GOODS – NEW ORDERS

APRIL 2020	\$384.3 billion	-13.0%°
MARCH 2020 (revised)	\$441.8 billion	-11.0%°

Next release: July 2, 2020

Data adjusted for seasonal variation but not for price changes. Statistical significance is not measurable for this survey. The Manufacturers' Shipments, Inventories, and Orders estimates are not based on a probability sample, so the sampling error of these estimates cannot be measured nor can the confidence intervals be computed. Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories and Orders, June 3, 2020.



Summary

New orders for manufactured goods in April, down three of the last four months, decreased \$57.5 billion or 13.0 percent to \$384.3 billion, the U.S. Census Bureau reported today. This followed an 11.0 percent March decrease. Shipments, down four consecutive months, decreased \$63.6 billion or 13.5 percent to \$406.8 billion. This followed a 5.5 percent March decrease. Unfilled orders, down two consecutive months, decreased \$17.6 billion or 1.6 percent to \$1,107.6 billion. This followed a 2.1 percent March decrease. The unfilled orders-to-shipments ratio was 7.62, up from 6.70 in March. Inventories, down four consecutive months, decreased \$2.6 billion or 0.4 percent to \$686.5 billion. This followed a 1.1 percent March decrease. The inventories-to-shipments ratio was 1.69, up from 1.46 in March.

Data Inquiries

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New Orders

New orders for manufactured durable goods in April, down three of the last four months, decreased \$36.3 billion or 17.7 percent to \$168.7 billion, down from the previously published 17.2 percent decrease. This followed a 16.7 percent March decrease. Transportation equipment, also down three of the last four months, led the decrease, \$24.3 billion or 48.3 percent to \$26.1 billion. New orders for manufactured nondurable goods decreased \$21.2 billion or 9.0 percent to \$215.6 billion.

Shipments

Shipments of manufactured durable goods in April, down three of the last four months, decreased \$42.4 billion or 18.2 percent to \$191.2 billion, down from the previously published 17.7 percent decrease. This followed a 5.5 percent March decrease. Transportation equipment, also down three of the last four months, led the decrease, \$31.7 billion or 43.1 percent to \$41.8 billion. Shipments of manufactured nondurable goods, down four consecutive months, decreased \$21.2 billion or 9.0 percent to \$215.6 billion. This followed a 5.4 percent March decrease. Petroleum and coal products, also down four consecutive months, led the decrease, \$11.9 billion or 32.0 percent to \$25.4 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in April, down two consecutive months, decreased \$17.6 billion or 1.6 percent to \$1,107.6 billion, unchanged from the previously published decrease. This followed a 2.1 percent March decrease. Transportation equipment, also down two consecutive months, led the decrease, \$15.7 billion or 2.0 percent to \$759.6 billion.

Inventories

Inventories of manufactured durable goods in April, up two consecutive months, increased \$0.6 billion or 0.2 percent to \$425.3 billion, unchanged from the previously published increase. This followed a 0.5 percent March increase. Transportation equipment, up twenty-one of the last twenty-two months, led the increase, \$0.4 billion or 0.3 percent to \$143.0 billion. Inventories of manufactured nondurable goods, down four consecutive months, decreased \$3.2 billion or 1.2 percent to \$261.2 billion. This followed a 3.5 percent March decrease. Petroleum and coal products, also down four consecutive months, drove the decrease, \$3.7 billion or 12.1 percent to \$27.1 billion. By stage of fabrication, April materials and supplies increased 2.3 percent in durable goods and decreased 1.2 percent in nondurable goods. Work in process decreased 0.7 percent in durable goods and 1.5 percent in nondurable goods. Finished goods decreased 1.2 percent in durable goods and 1.1 percent in nondurable goods.

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The Advance Report on durable goods for May is scheduled for release on June 25, 2020 at 8:30 a.m. EDT and the Full Report on July 2, 2020 at 10:00 a.m. EDT. 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 64 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census, and these companies include almost two-thirds of the manufacturing companies with \$500 million or more in shipments in the 2012 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 57 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many

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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>.

BENCHMARK NOTICE

Revised historical data from the Manufacturers' Shipments, Inventories, and Orders (M3) Survey were issued on May 15, 2020. These revisions result from

- benchmarking the M3 shipments and inventories data to the 2017 Economic Census data on a 2017 NAICS basis;
- incorporating the unfilled orders to shipments ratios obtained for 2017 and 2016 from the Manufacturers' Unfilled Orders (M3UFO) Survey by applying these ratios to the respective 2017 Economic Census data and 2016 ASM shipments data;
- adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- correcting the seasonal adjusted new order data derived from the monthly estimate of shipments plus the change in unfilled orders between the current and prior period for January 2002;
- correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data;
- updating the seasonally adjusted data based on the results of benchmarking and the recent annual review of the seasonal adjustment models.

These revisions spanned the seasonally adjusted data for January 2007 through March 2020 and the data not seasonally adjusted for January 2012 through March 2020. An updated Press Release contains revised monthly tables for January 2020 through March 2020. Please call M3 staff on (301) 763-4832 with any questions.

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RESOURCES

API

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

<www.census.gov/developers/>.

FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App <<https://fred.stlouisfed.org/fred-mobile/>> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St. Louis, now incorporates the Census Bureau's 13 economic indicators.

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Table 1. Value of Manufacturers' Shipments for Industry 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			
	Apr. 2020 ²	Mar. 2020 ²	Feb. 2020	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2020 ²	Mar. 2020 ²	Feb. 2020	Apr. 2019	2020 ²	2019	% Change 2020/2019
All manufacturing industries.....	406,763	470,383	497,544	-13.5	-5.5	-0.4	406,579	493,599	473,087	504,187	1,839,240	1,963,113	-6.3
Excluding transportation.....	364,967	396,919	412,722	-8.1	-3.8	-1.0	364,954	412,146	389,737	420,060	1,559,034	1,615,121	-3.5
Excluding defense.....	392,475	456,685	483,343	-14.1	-5.5	-0.4	393,178	478,586	459,193	491,283	1,784,888	1,909,705	-6.5
With unfilled orders.....	145,411	168,051	172,283	-13.5	-2.5	0.4	143,873	181,330	164,505	171,181	645,788	682,423	-5.4
Durable goods industries.....	191,180	233,588	247,276	-18.2	-5.5	0.8	190,052	250,002	237,057	246,801	900,582	980,365	-8.1
Wood products.....	8,288	9,111	9,170	-9.0	-0.6	-0.3	8,866	9,075	8,500	9,223	34,428	33,940	1.4
Nonmetallic mineral products.....	10,984	11,427	11,486	-3.9	-0.5	-0.3	11,238	11,290	9,974	11,571	42,731	42,090	1.5
Primary metals.....	16,623	18,963	19,505	-12.3	-2.8	-0.5	17,360	20,235	19,376	21,186	76,493	83,170	-8.0
Iron and steel mills.....	8,504	9,788	9,965	-13.1	-1.8	-2.2	9,006	10,380	9,875	11,402	39,443	44,354	-11.1
Aluminum and nonferrous metals.....	7,003	7,828	8,164	-10.5	-4.1	1.8	7,185	8,401	8,150	8,182	31,736	32,565	-2.5
Ferrous metal foundries.....	1,116	1,347	1,376	-17.1	-2.1	-1.2	1,169	1,454	1,351	1,602	5,314	6,251	-15.0
Fabricated metal products.....	27,878	30,848	31,864	-9.6	-3.2	0.3	28,173	31,797	30,457	31,882	120,401	123,700	-2.7
Machinery.....	28,501	30,824	31,367	-7.5	-1.7	-1.7	28,579	33,874	30,363	32,729	121,485	126,881	-4.3
Farm machinery.....	1,570	1,693	1,786	-7.3	-5.2	-5.9	1,913	2,201	2,052	2,494	7,841	9,010	-13.0
Construction machinery.....	2,316	2,651	2,829	-12.6	-6.3	-4.5	2,432	2,928	2,798	3,231	10,768	12,256	-12.1
Mining, oil field, and gas field machinery.....	1,266	1,379	1,421	-8.2	-3.0	-4.0	1,170	1,454	1,356	1,441	5,363	5,605	-4.3
Industrial machinery.....	3,052	3,254	3,214	-6.2	1.2	-5.3	2,805	3,706	2,776	2,727	12,033	10,618	13.3
Photographic equipment.....	533	541	558	-1.5	-3.0	0.0	491	606	506	514	2,063	2,038	1.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,330	3,810	3,770	-12.6	1.1	2.9	3,347	4,042	3,106	3,872	13,470	14,193	-5.1
Metalworking machinery.....	2,394	2,476	2,587	-3.3	-4.3	1.7	2,271	2,620	2,392	2,660	9,606	10,491	-8.4
Turbines, generators, and other power transmission equipment.....	3,476	3,936	3,911	-11.7	0.6	-3.0	3,479	3,995	4,021	4,182	15,332	16,289	-5.9
Material handling equipment.....	2,595	2,737	2,771	-5.2	-1.2	-1.4	2,603	2,926	2,702	2,865	10,912	11,394	-4.2
Computers and electronic products.....	28,630	28,465	28,659	0.6	-0.7	0.2	26,189	30,516	26,035	26,437	108,322	106,913	1.3
Computers.....	557	560	584	-0.5	-4.1	-2.3	524	568	446	587	2,026	2,321	-12.7
Computer storage devices.....	489	498	497	-1.8	0.2	-2.7	354	686	361	251	1,782	1,107	61.0
Other peripheral equipment.....	705	705	728	0.0	-3.2	-2.7	572	787	591	609	2,589	2,510	3.1
Nondefense communications equipment.....	3,481	3,492	3,395	-0.3	2.9	0.2	3,136	4,133	2,799	2,998	12,752	11,987	6.4
Defense communications equipment.....	262	255	254	2.7	0.4	4.5	269	270	255	238	997	1,046	-4.7
Audio and video equipment.....	275	263	287	4.6	-8.4	-5.6	232	240	261	296	958	1,174	-18.4
Electronic components.....	4,189	4,113	4,152	1.8	-0.9	0.7	4,082	4,328	3,896	3,720	16,060	14,729	9.0
Nondefense search and navigation equipment.....	1,515	1,520	1,540	-0.3	-1.3	-1.8	1,381	1,774	1,471	1,509	6,001	6,320	-5.0
Defense search and navigation equipment.....	3,009	3,003	3,003	0.2	0.0	0.0	2,901	3,267	2,909	2,834	11,536	11,092	4.0
Electromedical, measuring, and control instruments.....	8,813	8,876	8,955	-0.7	-0.9	0.2	8,021	9,831	8,013	8,633	33,441	34,707	-3.6
Electrical equipment, appliances, and components.....	10,054	11,158	11,118	-9.9	0.4	1.8	9,867	11,864	10,363	10,692	41,779	41,558	0.5
Electric lighting equipment.....	950	1,018	1,025	-6.7	-0.7	-1.0	939	1,050	942	1,018	3,860	3,826	0.9
Household appliances.....	1,633	1,922	1,931	-15.0	-0.5	4.2	1,607	2,020	1,755	1,854	6,913	7,108	-2.7
Electrical equipment.....	3,084	3,494	3,384	-11.7	3.3	1.6	2,967	3,922	3,198	3,208	12,999	12,914	0.7
Batteries.....	639	769	766	-16.9	0.4	4.5	616	738	654	738	2,643	2,689	-1.7
Transportation equipment.....	41,796	73,464	84,822	-43.1	-13.4	2.8	41,625	81,453	83,350	84,127	280,206	347,992	-19.5
Automobiles.....	500	6,021	8,762	-91.7	-31.3	7.4	507	6,535	8,821	8,923	23,709	36,915	-35.8
Light trucks and utility vehicles.....	1,915	13,457	19,488	-85.8	-30.9	3.4	1,962	14,894	19,635	19,562	52,931	81,531	-35.1
Heavy duty trucks.....	1,278	2,031	2,403	-37.1	-15.5	-1.4	1,325	2,245	2,244	2,826	8,036	10,726	-25.1
Motor vehicle bodies, parts, and trailers.....	18,734	26,446	28,654	-29.2	-7.7	-1.2	19,603	28,506	29,359	29,368	105,190	114,072	-7.8
Nondefense aircraft and parts.....	4,392	10,733	9,570	-59.1	12.2	17.7	3,841	13,042	7,818	9,420	30,856	48,150	-35.9
Defense aircraft and parts.....	4,244	3,833	4,397	10.7	-12.8	-7.9	3,710	4,347	3,961	4,179	15,727	17,885	-12.1
Ships and boats.....	2,381	2,662	2,952	-10.6	-9.8	-4.6	2,390	2,903	2,967	3,143	10,764	12,136	-11.3
Furniture and related products.....	5,991	6,564	6,720	-8.7	-2.3	-1.1	5,974	6,556	6,654	6,576	25,585	25,584	0.0
Miscellaneous durable goods.....	12,435	12,764	12,565	-2.6	1.6	0.1	12,181	13,342	11,985	12,378	49,152	48,537	1.3
Nondurable goods industries.....	215,583	236,795	250,268	-9.0	-5.4	-1.5	216,527	243,597	236,030	257,386	938,658	982,748	-4.5
Food products.....	66,846	68,695	67,373	-2.7	2.0	-0.1	65,571	70,205	66,739	65,860	267,386	262,517	1.9
Grain and oilseed milling.....	7,051	6,871	6,721	2.6	2.2	0.1	6,875	7,083	6,710	6,841	27,280	27,572	-1.1
Dairy products.....	10,210	10,630	10,504	-4.0	1.2	-0.2	10,048	10,862	10,045	10,145	41,297	39,944	3.4
Meat, poultry, and seafood products.....	18,172	19,625	19,283	-7.4	1.8	0.0	18,209	19,870	18,989	19,557	75,291	77,699	-3.1
Beverage and tobacco products.....	12,349	13,620	12,683	-9.3	7.4	-4.2	12,333	13,745	11,802	13,345	50,010	50,156	-0.3
Beverages.....	9,068	9,318	9,289	-2.7	0.3	-1.5	9,052	9,443	8,408	9,440	35,223	34,723	1.4
Tobacco.....	3,281	4,302	3,394	-23.7	26.8	-10.9	3,281	4,302	3,394	3,905	14,787	15,433	-4.2
Textile mills.....	1,896	2,232	2,256	-15.1	-1.1	-1.2	1,941	2,333	2,249	2,378	8,636	9,279	-6.9
Textile products.....	1,682	1,871	1,909	-10.1	-2.0	1.0	1,722	1,908	1,912	2,051	7,251	8,012	-9.5
Apparel.....	862	885	897	-2.6	-1.3	-3.0	748	822	861	797	3,296	3,336	-1.2
Leather and allied products.....	311	357	385	-12.9	-7.3	-1.5	306	366	404	415	1,447	1,643	-11.9
Paper products.....	16,171	16,311	16,146	-0.9	1.0	-1.2	15,847	16,669	15,430	15,867	64,155	63,232	1.5
Pulp, paper, and paperboard mills.....	6,569	6,606	6,412	-0.6	3.0	-3.3	6,406	6,722	6,068	6,388	25,835	25,473	1.4
Paperboard containers.....	5,669	5,753	5,811	-1.5	-1.0	-0.3	5,649	5,898	5,464	5,748	22,866	22,722	0.6
Printing.....	6,477	7,164	7,328	-9.6	-2.2	-2.2	6,562	7,233	6,772	7,055	27,817	27,138	2.5
Petroleum and coal products.....	25,361	37,278	52,919	-32.0	-29.6	-4.5	25,924	36,671	45,435	59,920	160,231	211,453	-24.2
Petroleum refineries.....	21,817	32,706	48,406	-33.3	-32.4	-4.8	22,460	32,487	41,663	55,690	145,053	196,587	-26.2
Chemical products.....	65,233	68,156	68,014	-4.3	0.2	-0.5	66,672	72,723	65,194	68,564	270,069	265,103	1.9
Pesticides, fertilizers, and other agricultural chemicals.....	2,736	2,700	2,764	1.3	-2.3	-2.7	3,518	3,516	2,844	3,776	12,362	13,163	-6.1
Pharmaceuticals and medicines.....	24,308	24,057	23,246	1.0	3.5	1.1	24,309	25,186	21,757	21,780	93,561	85,917	8.9
Paints, coatings, and adhesives.....	4,185	4,449	4,402	-5.9	1.1	-1.8	4,680	4,728	4,042	4,879	17,507	15,818	10.7
Plastics and rubber products.....	18,395	20,226	20,358	-9.1	-0.6	-0.2	18,901	20,922	19,232	21,134	78,360	80,879	-3.1

² Preliminary

¹ Revised data due to late receipts and concurrent seasonal adjustment.

³ 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, April Full Report, June 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		
	Apr. 2020 ^p	Mar. 2020 ^f	Feb. 2020	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2020 ^p	Mar. 2020 ^f	Feb. 2020	Apr. 2019	2020 ^p	2019	% Change 2020/2019
All manufacturing industries ²	384,306	441,815	496,463	-13.0	-11.0	0.2	384,170	472,892	474,943	496,543	1,795,681	1,952,210	-8.0
Excluding transportation ²	358,238	391,413	407,719	-8.5	-4.0	-1.1	360,036	409,146	387,849	417,064	1,548,252	1,607,726	-3.7
Excluding defense ²	372,057	424,425	477,799	-12.3	-11.2	-0.8	373,398	451,062	456,160	483,388	1,734,736	1,896,108	-8.5
With unfilled orders ²	127,827	144,175	176,028	-11.3	-18.1	2.1	125,759	164,757	170,964	167,978	620,634	690,219	-10.1
Durable goods industries ²	168,723	205,020	246,195	-17.7	-16.7	2.0	167,643	229,295	238,913	239,157	857,023	969,462	-11.6
Primary metals.....	15,744	18,451	19,376	-14.7	-4.8	-1.1	16,398	19,836	19,832	21,069	76,007	84,180	-9.7
Iron and steel mills.....	7,794	9,072	9,914	-14.1	-8.5	-2.2	8,270	9,871	10,239	11,299	38,674	44,958	-14.0
Aluminum and nonferrous metals.....	6,791	8,037	8,228	-15.5	-2.3	1.9	6,934	8,617	8,370	8,216	32,090	32,873	-2.4
Ferrous metal foundries.....	1,159	1,342	1,234	-13.6	8.8	-10.6	1,194	1,348	1,223	1,554	5,243	6,349	-17.4
Fabricated metal products.....	26,624	30,341	31,455	-12.3	-3.5	-1.4	27,369	32,196	30,756	32,741	121,298	126,521	-4.1
Machinery.....	28,763	30,991	31,521	-7.2	-1.7	-0.1	29,068	33,869	31,429	32,671	124,850	130,131	-4.1
Construction machinery.....	2,201	2,422	2,648	-9.1	-8.5	-11.5	2,235	2,688	2,747	2,737	10,679	12,151	-12.1
Mining, oil field, and gas field machinery.....	1,282	1,309	1,441	-2.1	-9.2	3.0	1,186	1,384	1,376	1,386	5,248	5,456	-3.8
Industrial machinery.....	3,025	3,107	3,232	-2.6	-3.9	-3.8	2,836	3,572	2,773	2,795	12,485	11,254	10.9
Photographic equipment.....	532	533	566	-0.2	-5.8	3.5	475	563	504	469	2,001	1,801	11.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,321	3,907	3,790	-15.0	3.1	3.6	3,409	4,200	3,298	4,086	14,127	15,166	-6.9
Metalworking machinery.....	2,410	2,494	2,722	-3.4	-8.4	14.1	2,494	2,456	2,766	2,555	10,112	10,488	-3.6
Turbines, generators, and other power transmission equipment.....	3,547	4,040	3,844	-12.2	5.1	-1.9	3,550	4,099	3,954	4,204	15,328	16,215	-5.5
Material handling equipment.....	2,613	2,800	2,681	-6.7	4.4	-7.2	2,543	2,948	2,675	2,704	10,948	11,157	-1.9
Computers and electronic products ²	23,775	23,792	23,920	-0.1	-0.5	0.2	22,162	27,045	21,854	22,295	91,800	90,748	1.2
Computers.....	523	531	579	-1.5	-8.3	-2.7	490	539	441	575	1,955	2,339	-16.4
Nondefense communications equipment.....	3,487	3,475	3,388	0.3	2.6	-0.8	3,248	4,187	2,996	3,059	13,217	12,536	5.4
Defense communications equipment.....	210	164	231	28.0	-29.0	-4.5	209	215	230	177	868	970	-10.5
Electronic components.....	4,261	4,207	4,130	1.3	1.9	0.0	4,205	4,216	3,924	3,769	16,388	14,956	9.6
Nondefense search and navigation equipment.....	1,501	1,536	1,613	-2.3	-4.8	1.1	1,518	1,760	1,552	1,682	6,351	6,765	-6.1
Defense search and navigation equipment.....	3,012	2,981	2,976	1.0	0.2	0.5	2,916	3,836	2,877	3,065	11,885	12,289	-3.3
Electromedical, measuring, and control instruments.....	8,850	8,944	9,053	-1.1	-1.2	1.2	7,996	10,081	8,191	8,491	34,032	34,881	-2.4
Electrical equipment, appliances, and components.....	10,131	11,128	11,210	-9.0	-0.7	2.1	10,147	11,960	10,607	10,895	42,932	42,516	1.0
Electric lighting equipment.....	940	989	1,003	-5.0	-1.4	2.6	927	1,023	928	1,004	3,797	3,882	-2.2
Household appliances.....	1,620	1,919	1,966	-15.6	-2.4	5.2	1,692	2,076	1,614	1,923	6,999	7,039	-0.6
Electrical equipment.....	3,060	3,505	3,391	-12.7	3.4	0.9	2,996	3,960	3,268	3,264	13,359	13,441	-0.6
Transportation equipment.....	26,068	50,402	88,744	-48.3	-43.2	6.4	24,134	63,746	87,094	79,479	247,429	344,484	-28.2
Motor vehicle bodies, parts, and trailers.....	18,576	26,287	28,744	-29.3	-8.5	-1.3	19,000	28,286	29,957	28,748	105,359	114,064	-7.6
Nondefense aircraft and parts ³	-8,606	-16,052	8,716	(NA)	-284.2	-0.5	-9,878	-10,797	5,846	5,624	-8,620	42,686	-120.2
Defense aircraft and parts.....	4,055	6,026	4,436	-32.7	35.8	0.7	3,530	7,633	2,687	5,079	16,704	19,419	-14.0
Ships and boats.....	2,159	642	7,203	236.3	-91.1	147.7	1,697	2,090	9,977	2,220	15,856	15,672	1.2
Furniture and related products.....	5,947	6,621	6,745	-10.2	-1.8	-0.7	6,116	6,944	6,879	6,819	26,423	26,293	0.5
Nondurable goods industries.....	215,583	236,795	250,268	-9.0	-5.4	-1.5	216,527	243,597	236,030	257,386	938,658	982,748	-4.5

^p Preliminary

^f 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 April 2020 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, April Full Report, June 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				% Change April 2020/ 2019
	Monthly			Percent Change			Monthly				
	Apr. 2020 ^p	Mar. 2020 ^f	Feb. 2020	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2020 ^p	Mar. 2020 ^f	Feb. 2020	Apr. 2019	
All manufacturing industries ²	1,107,595	1,125,179	1,149,055	-1.6	-2.1	0.3	1,116,988	1,135,102	1,151,675	1,172,056	-4.7
Excluding transportation ²	348,035	349,891	350,705	-0.5	-0.2	-0.1	352,748	353,371	352,237	355,318	-0.7
Excluding defense ²	886,525	902,070	929,638	-1.7	-3.0	-0.1	893,552	909,037	932,427	962,855	-7.2
Durable goods industries ²	1,107,595	1,125,179	1,149,055	-1.6	-2.1	0.3	1,116,988	1,135,102	1,151,675	1,172,056	-4.7
Primary metals.....	30,252	31,131	31,643	-2.8	-1.6	-0.4	30,973	31,935	32,334	31,946	-3.0
Iron and steel mills.....	12,431	13,141	13,857	-5.4	-5.2	-0.4	12,898	13,634	14,143	14,236	-9.4
Aluminum and nonferrous metals.....	12,667	12,879	12,670	-1.6	1.6	0.5	12,888	13,139	12,923	12,554	2.7
Ferrous metal foundries.....	5,154	5,111	5,116	0.8	-0.1	-2.7	5,187	5,162	5,268	5,156	0.6
Fabricated metal products.....	72,333	73,587	74,094	-1.7	-0.7	-0.5	73,347	74,151	73,752	75,737	-3.2
Machinery.....	96,884	96,622	96,455	0.3	0.2	0.2	98,093	97,604	97,609	100,312	-2.2
Construction machinery.....	4,977	5,092	5,321	-2.3	-4.3	-3.3	5,288	5,485	5,725	8,170	-35.3
Mining, oil field, and gas field machinery.....	3,907	3,891	3,961	0.4	-1.8	0.5	3,907	3,891	3,961	4,517	-13.5
Industrial machinery.....	8,704	8,731	8,878	-0.3	-1.7	0.2	8,943	8,912	9,046	9,320	-4.0
Photographic equipment.....	1,010	1,011	1,019	-0.1	-0.8	0.8	1,008	1,024	1,067	1,128	-10.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	6,898	6,907	6,810	-0.1	1.4	0.3	7,153	7,091	6,933	7,116	0.5
Metalworking machinery.....	7,974	7,958	7,940	0.2	0.2	1.7	8,120	7,897	8,061	8,444	-3.8
Turbines, generators, and other power transmission equipment.....	23,602	23,531	23,427	0.3	0.4	-0.3	23,602	23,531	23,427	23,913	-1.3
Material handling equipment.....	11,134	11,116	11,053	0.2	0.6	-0.8	11,072	11,132	11,110	10,515	5.3
Computers and electronic products ²	118,514	118,496	118,477	0.0	0.0	0.1	119,625	119,357	118,694	118,157	1.2
Computers.....	1,937	1,971	2,000	-1.7	-1.5	-0.2	1,937	1,971	2,000	2,009	-3.6
Nondefense communications equipment.....	24,817	24,811	24,828	0.0	-0.1	0.0	25,097	24,985	24,931	24,723	1.5
Defense communications equipment.....	815	867	958	-6.0	-9.5	-2.3	828	888	943	1,188	-30.3
Electronic components.....	14,854	14,782	14,688	0.5	0.6	-0.1	14,993	14,870	14,982	14,307	4.8
Nondefense search and navigation equipment.....	21,612	21,626	21,610	-0.1	0.1	0.3	21,698	21,561	21,575	21,200	2.3
Defense search and navigation equipment.....	30,669	30,666	30,688	0.0	-0.1	-0.1	31,070	31,055	30,486	30,936	0.4
Electromedical, measuring, and control instruments.....	23,810	23,773	23,705	0.2	0.3	0.4	24,002	24,027	23,777	23,794	0.9
Electrical equipment, appliances, and components.....	21,551	21,474	21,504	0.4	-0.1	0.4	21,936	21,656	21,560	20,764	5.6
Electric lighting equipment.....	1,685	1,695	1,724	-0.6	-1.7	-1.3	1,684	1,696	1,723	1,389	21.2
Household appliances.....	1,614	1,627	1,630	-0.8	-0.2	2.2	1,642	1,557	1,501	1,277	28.6
Electrical equipment.....	8,609	8,633	8,622	-0.3	0.1	0.1	8,777	8,748	8,710	8,859	-0.9
Transportation equipment.....	759,560	775,288	798,350	-2.0	-2.9	0.5	764,240	781,731	799,438	816,738	-6.4
Motor vehicle bodies, parts, and trailers.....	20,465	20,623	20,782	-0.8	-0.8	0.4	20,917	21,520	21,740	21,895	-4.5
Nondefense aircraft and parts.....	518,222	531,220	558,005	-2.4	-4.8	-0.2	520,498	534,217	558,056	584,840	-11.0
Defense aircraft and parts.....	85,411	85,600	83,407	-0.2	2.6	0.0	86,014	86,194	82,908	81,712	5.3
Ships and boats.....	48,592	48,814	50,834	-0.5	-4.0	9.1	50,241	50,934	51,747	45,829	9.6
Furniture and related products.....	7,961	8,005	7,948	-0.5	0.7	0.3	8,234	8,092	7,704	7,856	4.8

^p Preliminary

^f 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, April Full Report, June 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 April 2020/ 2019
	Apr. 2020 ^P	Mar. 2020 ^F	Feb. 2020	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2020 ^P	Mar. 2020 ^F	Feb. 2020	Apr. 2019	
All manufacturing industries.....	686,476	689,026	696,428	-0.4	-1.1	-0.4	689,171	688,034	698,878	694,363	-0.7
Excluding transportation.....	543,445	546,430	554,708	-0.5	-1.5	-0.5	545,626	546,165	556,213	565,655	-3.5
Excluding defense.....	661,143	663,975	671,378	-0.4	-1.1	-0.4	663,843	662,956	673,828	669,739	-0.9
With unfilled orders.....	346,960	346,421	344,408	0.2	0.6	0.0	348,692	345,463	345,379	336,136	3.7
Durable goods industries.....	425,292	424,651	422,492	0.2	0.5	-0.1	427,049	423,705	424,848	414,174	3.1
Wood products.....	11,848	11,860	11,862	-0.1	0.0	-0.2	11,795	12,159	12,289	12,148	-2.9
Nonmetallic mineral products.....	14,617	14,487	14,350	0.9	1.0	-1.0	14,829	14,736	14,596	14,684	1.0
Primary metals.....	35,557	35,896	35,504	-0.9	1.1	0.0	35,568	35,768	35,675	37,046	-4.0
Iron and steel mills.....	19,917	19,945	19,753	-0.1	1.0	0.4	19,745	19,841	19,866	21,390	-7.7
Aluminum and nonferrous metals.....	13,443	13,735	13,513	-2.1	1.6	-0.6	13,587	13,691	13,511	13,778	1.6
Ferrous metal foundries.....	2,197	2,216	2,238	-0.9	-1.0	1.0	2,236	2,236	2,298	2,378	-1.8
Fabricated metal products.....	53,455	53,273	53,225	0.3	0.1	-0.4	53,718	53,316	53,392	54,234	-1.0
Machinery.....	71,210	71,479	71,133	-0.4	0.5	-0.2	71,446	71,589	71,173	72,202	-1.0
Farm machinery.....	3,922	3,808	3,685	3.0	3.3	-1.1	3,846	3,951	3,882	3,628	6.0
Construction machinery.....	6,022	6,082	6,092	-1.0	-0.2	0.0	6,100	6,166	6,094	6,562	-7.0
Mining, oil field, and gas field machinery.....	4,933	5,001	5,130	-1.4	-2.5	-1.4	4,953	4,988	5,170	5,692	-13.0
Industrial machinery.....	9,623	9,613	9,452	0.1	1.7	0.1	9,442	9,878	9,426	8,834	6.9
Photographic equipment.....	1,499	1,487	1,468	0.8	1.3	0.0	1,489	1,425	1,485	1,455	2.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,587	5,783	5,768	-3.4	0.3	0.6	5,960	5,920	5,889	6,145	-3.0
Metalworking machinery.....	6,055	6,100	5,993	-0.7	1.8	-1.8	6,022	6,023	5,925	6,129	-1.7
Turbines, generators, and other power transmission equipment.....	9,601	9,674	9,648	-0.8	0.3	0.6	9,704	9,493	9,579	9,919	-2.2
Material handling equipment.....	5,002	5,035	5,078	-0.7	-0.8	-0.7	4,976	4,973	4,894	5,246	-5.1
Computers and electronic products ²	44,126	43,995	43,740	0.3	0.6	-0.7	44,478	43,498	44,026	44,155	0.7
Computers.....	1,803	1,759	1,699	2.5	3.5	-1.2	1,735	1,711	1,741	1,676	3.5
Computer storage devices.....	957	950	935	0.7	1.6	-3.4	876	849	968	830	5.4
Other peripheral equipment.....	1,078	1,070	1,090	0.7	-1.8	-0.9	1,098	1,035	1,107	1,074	2.2
Nondefense communications equipment.....	4,588	4,563	4,469	0.5	2.1	0.2	4,593	4,541	4,488	4,563	0.7
Defense communications equipment.....	667	659	660	1.2	-0.2	0.3	667	659	660	658	1.4
Audio and video equipment.....	667	624	613	6.9	1.8	0.2	643	580	603	626	2.7
Electronic components.....	8,049	8,086	8,056	-0.5	0.4	0.1	8,375	8,095	8,154	8,194	2.2
Nondefense search and navigation equipment.....	2,928	2,901	2,895	0.9	0.2	0.0	2,938	2,856	2,887	2,781	5.6
Defense search and navigation equipment.....	2,665	2,684	2,696	-0.7	-0.4	-0.1	2,713	2,694	2,722	2,775	-2.2
Electromedical, measuring and control instruments.....	15,192	15,161	15,044	0.2	0.8	-0.7	15,311	15,038	14,992	15,085	1.5
Electrical equipment, appliances, and components.....	19,918	19,718	19,783	1.0	-0.3	-0.5	20,188	19,807	19,937	20,114	0.4
Electric lighting equipment.....	2,033	2,052	2,067	-0.9	-0.7	-0.1	2,045	2,035	2,073	2,099	-2.6
Household appliances.....	2,501	2,542	2,588	-1.6	-1.8	-1.4	2,547	2,575	2,633	2,785	-8.5
Electrical equipment.....	6,425	6,309	6,318	1.8	-0.1	-1.1	6,552	6,336	6,449	6,461	1.4
Batteries.....	1,864	1,866	1,827	-0.1	2.1	0.9	1,914	1,865	1,764	2,011	-4.8
Transportation equipment.....	143,031	142,596	141,720	0.3	0.6	0.4	143,545	141,869	142,665	128,708	11.5
Automobiles.....	5,650	5,672	5,582	-0.4	1.6	-2.5	5,628	5,628	5,692	5,174	8.8
Light trucks and utility vehicles.....	4,753	5,148	5,483	-7.7	-6.1	2.9	4,700	4,993	5,677	5,269	-10.8
Heavy duty trucks.....	1,970	1,906	1,939	3.4	-1.7	0.1	1,996	1,884	2,009	1,932	3.3
Motor vehicle bodies, parts, and trailers.....	27,742	27,024	26,898	2.7	0.5	0.4	27,775	27,139	27,104	26,697	4.0
Nondefense aircraft and parts.....	73,760	73,993	73,104	-0.3	1.2	0.4	74,404	73,479	73,466	62,284	19.5
Defense aircraft and parts.....	12,297	12,195	12,217	0.8	-0.2	0.4	12,327	12,125	12,229	12,025	2.5
Ships and boats.....	4,264	4,231	3,932	0.8	7.6	-2.2	4,158	4,302	3,901	4,020	3.4
Furniture and related products.....	7,421	7,418	7,387	0.0	0.4	-0.4	7,354	7,285	7,331	7,434	-1.1
Miscellaneous durable goods.....	24,109	23,929	23,788	0.8	0.6	0.1	24,128	23,678	23,764	23,449	2.9
Nondurable goods industries.....	261,184	264,375	273,936	-1.2	-3.5	-0.7	262,122	264,329	274,030	280,189	-6.4
Food products.....	55,279	55,265	55,613	0.0	-0.6	0.0	54,171	54,296	55,507	53,681	0.9
Grain and oilseed milling.....	5,287	5,345	5,370	-1.1	-0.5	-0.4	5,189	5,353	5,568	5,044	2.9
Dairy products.....	8,405	8,492	8,610	-1.0	-1.4	0.6	8,585	8,582	8,539	8,343	2.9
Meat, poultry, and seafood products.....	9,776	9,797	9,952	-0.2	-1.6	-1.2	9,624	9,797	10,010	9,581	0.4
Beverage and tobacco products.....	25,496	25,351	25,719	0.6	-1.4	-0.2	25,720	25,628	26,156	25,851	-0.5
Beverages.....	21,597	21,399	21,730	0.9	-1.5	0.0	21,810	21,566	22,006	21,663	0.7
Tobacco.....	3,899	3,952	3,989	-1.3	-0.9	-0.9	3,910	4,062	4,150	4,188	-6.6
Textile mills.....	3,167	3,190	3,197	-0.7	-0.2	-0.6	3,174	3,177	3,199	3,289	-3.5
Textile products.....	3,814	3,853	3,853	-1.0	0.0	-0.4	3,810	3,881	3,881	4,045	-5.8
Apparel.....	1,853	1,806	1,813	2.6	-0.4	-0.7	1,808	1,766	1,798	1,880	-3.8
Leather and allied products.....	860	861	857	-0.1	0.5	0.1	850	841	841	849	0.1
Paper products.....	15,087	14,927	15,035	1.1	-0.7	-1.2	15,064	14,993	15,193	15,430	-2.4
Pulp, paper, and paperboard mills.....	5,608	5,587	5,612	0.4	-0.4	-2.3	5,651	5,662	5,693	5,856	-3.5
Paperboard containers.....	5,433	5,320	5,322	2.1	0.0	-1.3	5,367	5,328	5,371	5,368	0.0
Printing.....	5,719	5,696	5,668	0.4	0.5	0.1	5,774	5,702	5,642	5,753	0.4
Petroleum and coal products.....	27,072	30,789	38,652	-12.1	-20.3	-3.5	27,866	30,500	37,626	43,249	-35.6
Petroleum refineries.....	21,179	24,888	32,881	-14.9	-24.3	-4.2	21,954	24,633	31,786	37,419	-41.3
Chemical products.....	96,137	95,834	96,534	0.3	-0.7	-0.3	96,865	96,408	96,805	98,003	-1.2
Pesticides, fertilizers, and other agricultural chemicals.....	5,432	5,425	5,382	0.1	0.8	-0.1	5,638	5,872	5,858	5,681	-0.8
Pharmaceuticals and medicines.....	44,891	44,330	44,258	1.3	0.2	-0.9	45,061	44,333	43,950	44,506	1.2
Paints, coatings, and adhesives.....	4,023	4,021	4,029	0.0	-0.2	0.1	4,148	4,135	4,116	4,213	-1.5
Plastics and rubber products.....	26,700	26,803	26,995	-0.4	-0.7	-0.3	27,020	27,137	27,382	28,159	-4.0

^P Preliminary

^F 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, April Full Report, June 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						% Change ⁶
	Monthly			Percent Change			Monthly			Year to date			
	Apr. 2020 ⁹	Mar. 2020 ⁷	Feb. 2020	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2020 ⁹	Mar. 2020 ⁷	Feb. 2020	Apr. 2019	2020 ⁹	2019	
SHIPMENTS													
All manufacturing industries.....	406,763	470,383	497,544	-13.5	-5.5	-0.4	406,579	493,599	473,087	504,187	1,839,240	1,963,113	-6.3
Construction materials and supplies.....	46,947	51,648	52,441	-9.1	-1.5	-0.2	48,548	51,933	47,439	52,942	194,789	194,536	0.1
Information technology.....	23,849	24,156	24,251	-1.3	-0.4	0.0	22,041	26,794	21,856	22,664	91,284	90,544	0.8
Computers and related products.....	1,751	1,763	1,809	-0.7	-2.5	-2.6	1,450	2,041	1,398	1,447	6,397	5,938	7.7
Motor vehicle and parts.....	22,427	47,955	59,307	-53.2	-19.1	1.5	23,397	52,180	60,059	60,679	189,866	243,244	-21.9
Capital goods.....	75,992	84,915	84,686	-10.5	0.3	1.2	72,571	93,997	78,924	82,082	318,029	335,313	-5.2
Nondefense capital goods ³	63,565	72,923	72,313	-12.8	0.8	1.7	60,770	80,937	66,681	70,735	270,487	288,791	-6.3
Excluding aircraft.....	61,564	65,298	66,157	-5.7	-1.3	-0.6	59,184	71,532	62,162	65,065	252,303	256,622	-1.7
Defense capital goods ⁴	12,427	11,992	12,373	3.6	-3.1	-1.8	11,801	13,060	12,243	11,347	47,542	46,522	2.2
Consumer goods.....	154,468	187,386	208,998	-17.6	-10.3	-0.8	153,871	192,748	199,114	214,214	745,351	827,500	-9.9
Consumer durable goods.....	14,317	32,556	41,667	-56.0	-21.9	3.2	14,671	35,173	41,964	42,247	128,231	171,468	-25.2
Consumer nondurable goods.....	140,151	154,830	167,331	-9.5	-7.5	-1.8	139,200	157,575	157,150	171,967	617,120	656,032	-5.9
NEW ORDERS													
All manufacturing industries ⁵	384,306	441,815	496,463	-13.0	-11.0	0.2	384,170	472,892	474,943	496,543	1,795,681	1,952,210	-8.0
Construction materials and supplies.....	45,840	50,863	51,908	-9.9	-2.0	-1.2	47,909	52,033	47,416	53,642	194,985	197,142	-1.1
Information technology.....	23,918	24,064	24,440	-0.6	-1.5	0.5	22,348	27,555	22,577	22,961	93,547	93,058	0.5
Computers and related products.....	1,717	1,734	1,804	-1.0	-3.9	-2.7	1,416	2,012	1,393	1,435	6,326	5,956	6.2
Motor vehicle and parts.....	22,269	47,796	59,397	-53.4	-19.5	1.4	22,794	51,960	60,657	60,059	190,035	243,236	-21.9
Capital goods.....	60,581	62,023	88,311	-2.3	-29.8	7.4	57,516	77,529	83,894	79,114	290,150	339,647	-14.6
Nondefense capital goods ³	49,750	46,151	71,483	7.8	-35.4	1.5	47,727	57,703	66,248	68,176	234,735	290,369	-19.2
Excluding aircraft.....	61,607	65,608	66,453	-6.1	-1.3	-0.6	59,908	72,303	64,013	65,000	258,589	262,439	-1.5
Defense capital goods ⁴	10,831	15,872	16,828	-31.8	-5.7	43.4	9,789	19,826	17,646	10,938	55,415	49,278	12.5
Consumer goods.....	154,415	187,396	209,031	-17.6	-10.4	-0.8	153,864	192,837	199,078	214,272	745,560	827,605	-9.9
Consumer durable goods.....	14,264	32,566	41,700	-56.2	-21.9	3.3	14,664	35,262	41,928	42,305	128,440	171,573	-25.1
Consumer nondurable goods.....	140,151	154,830	167,331	-9.5	-7.5	-1.8	139,200	157,575	157,150	171,967	617,120	656,032	-5.9
UNFILLED ORDERS													
All manufacturing industries ⁵	1,107,595	1,125,179	1,149,055	-1.6	-2.1	0.3	1,116,988	1,135,102	1,151,675	1,172,056	(X)	(X)	-4.7
Construction materials and supplies.....	50,405	51,512	52,297	-2.1	-1.5	-1.0	51,313	51,952	51,852	54,301	(X)	(X)	-5.5
Information technology.....	114,313	114,244	114,336	0.1	-0.1	0.2	115,473	115,166	114,405	114,217	(X)	(X)	1.1
Computers and related products.....	1,937	1,971	2,000	-1.7	-1.5	-0.2	1,937	1,971	2,000	2,009	(X)	(X)	-3.6
Motor vehicle and parts.....	20,465	20,623	20,782	-0.8	-0.8	0.4	20,917	21,520	21,740	21,895	(X)	(X)	-4.5
Capital goods.....	803,458	818,869	841,761	-1.9	-2.7	0.4	810,394	825,449	841,917	870,352	(X)	(X)	-6.9
Nondefense capital goods ³	624,641	638,456	665,228	-2.2	-4.0	-0.1	628,912	641,955	665,189	701,876	(X)	(X)	-10.4
Excluding aircraft.....	216,230	216,187	215,877	0.0	0.1	0.1	218,420	217,696	216,925	219,232	(X)	(X)	-0.4
Defense capital goods ⁴	178,817	180,413	176,533	-0.9	2.2	2.6	181,482	183,494	176,728	168,476	(X)	(X)	7.7
Consumer goods.....	4,781	4,834	4,824	-1.1	0.2	0.7	4,899	4,906	4,817	4,324	(X)	(X)	13.3
Consumer durable goods.....	4,781	4,834	4,824	-1.1	0.2	0.7	4,899	4,906	4,817	4,324	(X)	(X)	13.3
TOTAL INVENTORIES													
All manufacturing industries.....	686,476	689,026	696,428	-0.4	-1.1	-0.4	689,171	688,034	698,878	694,363	(X)	(X)	-0.7
Construction materials and supplies.....	72,049	72,034	71,812	0.0	0.3	-0.4	72,895	72,729	72,781	73,816	(X)	(X)	-1.2
Information technology.....	39,301	38,970	38,716	0.8	0.7	-0.4	39,353	38,539	38,840	38,442	(X)	(X)	2.4
Computers and related products.....	3,838	3,779	3,724	1.6	1.5	-1.7	3,709	3,595	3,816	3,580	(X)	(X)	3.6
Motor vehicle and parts.....	40,115	39,750	39,902	0.9	-0.4	0.3	40,099	39,644	40,482	39,072	(X)	(X)	2.6
Capital goods.....	211,399	210,813	209,478	0.3	0.6	0.0	212,094	209,797	209,591	198,995	(X)	(X)	6.6
Nondefense capital goods ³	190,286	189,971	188,604	0.2	0.7	0.1	191,016	188,858	188,729	178,486	(X)	(X)	7.0
Excluding aircraft.....	128,947	128,366	127,638	0.5	0.6	-0.2	129,099	127,784	127,784	127,773	(X)	(X)	1.0
Defense capital goods ⁴	21,113	20,842	20,874	1.3	-0.2	-0.3	21,078	20,939	20,862	20,509	(X)	(X)	2.8
Consumer goods.....	197,378	200,760	209,699	-1.7	-4.3	-1.0	197,092	199,310	209,185	212,949	(X)	(X)	-7.4
Consumer durable goods.....	31,218	31,700	31,957	-1.5	-0.8	-0.2	31,020	31,271	32,418	31,679	(X)	(X)	-2.1
Consumer nondurable goods.....	166,160	169,060	177,742	-1.7	-4.9	-1.1	166,072	168,039	176,767	181,270	(X)	(X)	-8.4

^x Not Applicable

⁹ Preliminary

⁷ 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, April Full Report, June 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				% Change April 2020/ 2019
	Monthly			Percent Change			Monthly				
	Apr. 2020 ^p	Mar. 2020 ^f	Feb. 2020	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2020 ^p	Mar. 2020 ^f	Feb. 2020	Apr. 2019	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	238,785	236,618	237,748	0.9	-0.5	0.1	238,819	236,190	237,209	238,834	0.0
Durable goods industries.....	149,065	145,776	144,756	2.3	0.7	0.4	148,713	144,864	144,268	144,545	2.9
Wood products.....	5,460	5,393	5,313	1.2	1.5	0.8	5,223	5,341	5,453	5,092	2.6
Nonmetallic mineral products.....	5,908	5,803	5,651	1.8	2.7	-0.3	5,934	5,814	5,658	5,727	3.6
Primary metals.....	13,196	12,948	12,907	1.9	0.3	2.0	12,928	12,544	12,835	13,533	-4.5
Fabricated metal products.....	19,736	19,646	19,728	0.5	-0.4	0.6	19,642	19,455	19,580	20,364	-3.5
Machinery.....	28,458	27,706	27,718	2.7	0.0	-1.2	28,401	27,691	27,501	28,474	-0.3
Computers and electronic products.....	19,819	19,777	19,694	0.2	0.4	0.5	19,987	19,528	19,567	19,097	4.7
Electrical equipment, appliances, and components.....	8,786	8,615	8,600	2.0	0.2	0.1	8,888	8,651	8,598	8,538	4.1
Transportation equipment.....	36,204	34,492	33,879	5.0	1.8	1.2	36,284	34,625	33,910	32,422	11.9
Furniture and related products.....	3,560	3,523	3,491	1.1	0.9	0.7	3,533	3,469	3,479	3,680	-4.0
Miscellaneous products.....	7,938	7,873	7,775	0.8	1.3	-0.3	7,893	7,746	7,687	7,618	3.6
Nondurable goods industries.....	89,720	90,842	92,992	-1.2	-2.3	-0.2	90,106	91,326	92,941	94,289	-4.4
Food products.....	19,591	19,724	19,905	-0.7	-0.9	0.3	19,256	19,691	19,862	19,073	1.0
Beverage and tobacco products.....	5,729	5,914	5,845	-3.1	1.2	-0.7	5,789	6,048	6,034	5,925	-2.3
Textiles.....	1,188	1,175	1,164	1.1	0.9	-0.5	1,196	1,168	1,157	1,213	-1.4
Textile products.....	1,215	1,206	1,212	0.7	-0.5	-0.4	1,211	1,214	1,210	1,247	-2.9
Apparel.....	538	529	535	1.7	-1.1	-0.9	536	529	538	623	-14.0
Leather and allied products.....	284	281	277	1.1	1.4	-0.7	281	272	270	279	0.7
Paper products.....	7,628	7,488	7,529	1.9	-0.5	-1.2	7,593	7,525	7,598	7,760	-2.2
Printing.....	2,716	2,693	2,651	0.9	1.6	-0.9	2,724	2,680	2,638	2,719	0.2
Petroleum and coal products.....	8,713	9,762	12,012	-10.7	-18.7	-0.7	9,189	10,060	11,713	13,099	-29.8
Chemical products.....	31,137	31,213	31,067	-0.2	0.5	-0.4	31,289	31,327	31,107	31,365	-0.2
Plastics and rubber products.....	10,981	10,857	10,795	1.1	0.6	1.1	11,042	10,812	10,814	10,986	0.5
WORK IN PROCESS											
All manufacturing industries.....	201,855	203,702	205,150	-0.9	-0.7	-0.5	203,321	203,442	206,117	201,368	1.0
Durable goods industries.....	157,239	158,392	156,448	-0.7	1.2	0.0	158,644	158,253	157,399	147,931	7.2
Wood products.....	1,651	1,695	1,720	-2.6	-1.5	-0.6	1,676	1,759	1,766	1,828	-8.3
Nonmetallic mineral products.....	1,405	1,406	1,433	-0.1	-1.9	-1.2	1,454	1,455	1,483	1,524	-4.6
Primary metals.....	9,856	10,304	10,202	-4.3	1.0	0.5	9,945	10,256	10,168	10,894	-8.7
Fabricated metal products.....	13,689	13,648	13,508	0.3	1.0	-0.4	13,742	13,662	13,555	13,689	0.4
Machinery.....	19,438	20,323	19,712	-4.4	3.1	1.2	19,482	20,157	19,780	19,565	-0.4
Computers and electronic products.....	12,838	12,895	12,853	-0.4	0.3	0.2	13,199	13,036	13,111	13,356	-1.2
Electrical equipment, appliances, and components.....	4,240	4,195	4,174	1.1	0.5	0.0	4,314	4,201	4,196	4,252	1.5
Transportation equipment.....	89,232	89,034	87,947	0.2	1.2	-0.2	89,915	88,861	88,424	77,972	15.3
Furniture and related products.....	1,146	1,151	1,150	-0.4	0.1	-2.6	1,149	1,149	1,156	1,130	1.7
Miscellaneous products.....	3,744	3,741	3,749	0.1	-0.2	0.8	3,768	3,717	3,760	3,721	1.3
Nondurable goods industries.....	44,616	45,310	48,702	-1.5	-7.0	-2.3	44,677	45,189	48,718	53,437	-16.4
Food products.....	4,587	4,555	4,524	0.7	0.7	2.6	4,440	4,495	4,598	4,504	-1.4
Beverage and tobacco products.....	9,037	8,979	9,246	0.6	-2.9	-0.1	8,998	9,131	9,493	9,351	-3.8
Textiles.....	598	627	636	-4.6	-1.4	-0.3	601	625	634	665	-9.6
Textile products.....	336	350	353	-4.0	-0.8	0.6	338	354	359	385	-12.2
Apparel.....	314	314	313	0.0	0.3	-2.8	305	307	314	314	-2.9
Leather and allied products.....	87	87	88	0.0	-1.1	0.0	86	87	87	93	-7.5
Paper products.....	1,398	1,397	1,392	0.1	0.4	-1.3	1,400	1,390	1,379	1,440	-2.8
Printing.....	1,233	1,237	1,252	-0.3	-1.2	2.1	1,253	1,267	1,247	1,241	1.0
Petroleum and coal products.....	5,473	6,537	8,933	-16.3	-26.8	-11.0	5,648	6,370	8,802	11,787	-52.1
Chemical products.....	18,725	18,370	18,941	1.9	-3.0	-0.6	18,740	18,269	18,734	20,481	-8.5
Plastics and rubber products.....	2,828	2,857	3,024	-1.0	-5.5	-0.9	2,868	2,894	3,071	3,176	-9.7
FINISHED GOODS											
All manufacturing industries.....	245,836	248,706	253,530	-1.2	-1.9	-0.7	247,031	248,402	255,552	254,161	-2.8
Durable goods industries.....	118,988	120,483	121,288	-1.2	-0.7	-0.8	119,692	120,588	123,181	121,698	-1.6
Wood products.....	4,737	4,772	4,829	-0.7	-1.2	-1.0	4,896	5,059	5,070	5,228	-6.4
Nonmetallic mineral products.....	7,304	7,278	7,266	0.4	0.2	-1.5	7,441	7,467	7,455	7,433	0.1
Primary metals.....	12,505	12,644	12,395	-1.1	2.0	-2.3	12,695	12,968	12,672	12,619	0.6
Fabricated metal products.....	20,030	19,979	19,989	0.3	-0.1	-1.3	20,334	20,199	20,257	20,181	0.8
Machinery.....	23,314	23,450	23,703	-0.6	-1.1	-0.1	23,563	23,741	23,892	24,163	-2.5
Computers and electronic products.....	11,469	11,323	11,193	1.3	1.2	-3.7	11,292	10,934	11,348	11,702	-3.5
Electrical equipment, appliances, and components.....	6,892	6,908	7,009	-0.2	-1.4	-1.3	6,986	6,955	7,143	7,324	-4.6
Transportation equipment.....	17,595	19,070	19,894	-7.7	-4.1	1.6	17,346	18,383	20,331	18,314	-5.3
Furniture and related products.....	2,715	2,744	2,746	-1.1	-0.1	-0.8	2,672	2,667	2,696	2,624	1.8
Miscellaneous products.....	12,427	12,315	12,264	0.9	0.4	0.2	12,467	12,215	12,317	12,110	2.9
Nondurable goods industries.....	126,848	128,223	132,242	-1.1	-3.0	-0.5	127,339	127,814	132,371	132,463	-3.9
Food products.....	31,101	30,986	31,184	0.4	-0.6	-0.6	30,475	30,110	31,047	30,104	1.2
Beverage and tobacco products.....	10,730	10,458	10,628	2.6	-1.6	0.1	10,933	10,449	10,629	10,575	3.4
Textiles.....	1,381	1,388	1,397	-0.5	-0.6	-0.9	1,377	1,384	1,408	1,411	-2.4
Textile products.....	2,263	2,297	2,288	-1.5	0.4	-0.6	2,261	2,313	2,312	2,413	-6.3
Apparel.....	1,001	963	965	3.9	-0.2	0.2	967	930	946	943	2.5
Leather and allied products.....	489	493	492	-0.8	0.2	0.6	483	482	484	477	1.3
Paper products.....	6,061	6,042	6,114	0.3	-1.2	-1.2	6,071	6,078	6,216	6,230	-2.6
Printing.....	1,770	1,766	1,765	0.2	0.1	0.2	1,797	1,755	1,757	1,793	0.2
Petroleum and coal products.....	12,886	14,490	17,707	-11.1	-18.2	-1.2	13,029	14,070	17,111	18,363	-29.0
Chemical products.....	46,275	46,251	46,526	0.1	-0.6	-0.1	46,836	46,812	46,964	46,157	1.5
Plastics and rubber products.....	12,891	13,089	13,176	-1.5	-0.7	-1.3	13,110	13,431	13,497	13,997	-6.3

^p Preliminary

^f 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, April Full Report, June 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			
	Apr 2020 ^a	Mar 2020 ^a	Feb 2020	Jan 2020	Apr 2020 ^b	Mar 2020 ^b	Feb 2020	Jan 2020
	All manufacturing industries ³	1.69	1.46	1.40	1.40	(X)	(X)	(X)
Durable goods industries ³	2.22	1.82	1.71	1.72	7.62	6.70	6.67	6.67
Wood products.....	1.43	1.30	1.29	1.29	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.33	1.27	1.25	1.26	(X)	(X)	(X)	(X)
Primary metals.....	2.14	1.89	1.82	1.81	1.82	1.64	1.62	1.62
Fabricated metal products.....	1.92	1.73	1.67	1.68	2.67	2.45	2.39	2.40
Machinery.....	2.50	2.32	2.27	2.23	3.70	3.42	3.37	3.31
Computers and electronic products ⁴	1.54	1.55	1.53	1.54	5.43	5.48	5.41	5.42
Electrical equipment, appliances, and components.....	1.98	1.77	1.78	1.82	2.29	2.07	2.08	2.10
Transportation equipment.....	3.42	1.94	1.67	1.71	19.93	14.92	14.74	14.96
Furniture and related products.....	1.24	1.13	1.10	1.09	1.46	1.36	1.33	1.31
Miscellaneous products.....	1.94	1.87	1.89	1.89	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.21	1.12	1.09	1.09	(X)	(X)	(X)	(X)
Food products.....	0.83	0.80	0.83	0.82	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	2.06	1.86	2.03	1.95	(X)	(X)	(X)	(X)
Textiles.....	1.67	1.43	1.42	1.41	(X)	(X)	(X)	(X)
Textile products.....	2.27	2.06	2.02	2.05	(X)	(X)	(X)	(X)
Apparel.....	2.15	2.04	2.02	1.97	(X)	(X)	(X)	(X)
Leather and allied products.....	2.77	2.41	2.23	2.19	(X)	(X)	(X)	(X)
Paper products.....	0.93	0.92	0.93	0.93	(X)	(X)	(X)	(X)
Printing.....	0.88	0.80	0.77	0.76	(X)	(X)	(X)	(X)
Petroleum and coal products.....	1.07	0.83	0.73	0.72	(X)	(X)	(X)	(X)
Chemical products.....	1.47	1.41	1.42	1.42	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.45	1.33	1.33	1.33	(X)	(X)	(X)	(X)

^a Not Applicable

^b Preliminary

^c 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, April Full Report, June 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	
	Apr ² 2020	Apr ¹ 2019- Mar 2020	Apr ² 2020	Apr ¹ 2019- Mar 2020	Apr ² 2020	Apr ¹ 2019- Mar 2020	Apr ² 2020	Apr ¹ 2019- Mar 2020
	All manufacturing industries.....	(X)	0.1	(X)	0.3	(X)	0.1	(X)
Durable goods industries.....	-0.5	0.2	-0.5	0.6	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Primary metals.....	-1.8	0.5	-0.9	0.7	0.7	0.2	-0.2	0.3
Fabricated metal products.....	-0.3	0.4	-0.3	0.7	0.0	0.2	-0.1	0.2
Machinery.....	0.0	0.4	-0.4	0.5	0.0	0.1	0.0	0.1
Computers and electronic products.....	0.2	0.3	0.2	0.5	0.0	0.1	-0.2	0.1
Electrical equipment, appliances, and components.....	-1.9	0.3	-1.2	0.4	0.1	0.2	0.7	0.2
Transportation equipment.....	-0.4	0.3	-1.0	1.3	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.4	(X)	0.6	(X)	0.6	(X)	0.2
Miscellaneous products.....	(X)	0.2	(X)	0.2	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Textile products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Paper products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Petroleum and coal products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.6
Chemical products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Plastics and rubber products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable

NA Not Available

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/>>.

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