

MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS APRIL 2021

Release Number: CB 21-76 M3-2 (21)-04

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](#)>.

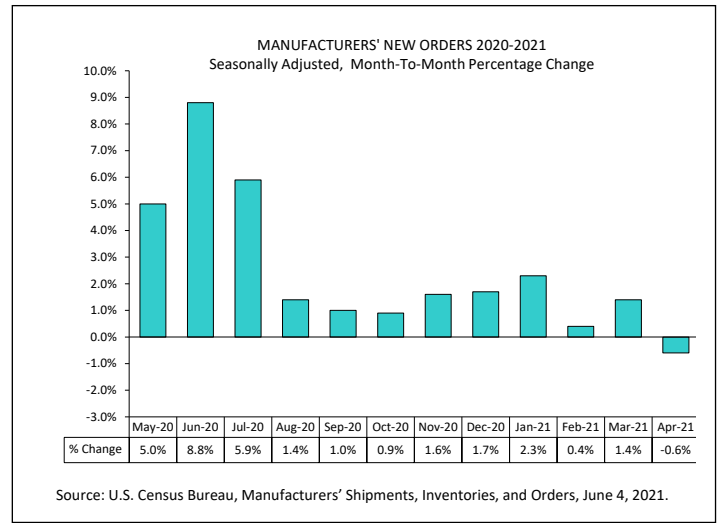
June 4, 2021 — The U.S. Census Bureau announces the April full report on manufacturers' shipments, inventories and orders:

MANUFACTURED GOODS – NEW ORDERS

APRIL 2021	\$485.2 billion	-0.6%°
MARCH 2021 (revised)	\$488.1 billion	+1.4%°

Next release: July 2, 2021

Data adjusted for seasonal variation but not for price changes. Statistical significance is not measurable for this survey. The Manufacturers' Shipments, Inventories, and Orders estimates are not based on a probability sample, so the sampling error of these estimates cannot be measured nor can the confidence intervals be computed. Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories and Orders, June 4, 2021.



Summary

New orders for manufactured goods in April, down following eleven consecutive monthly increases, decreased \$2.9 billion or 0.6 percent to \$485.2 billion, the U.S. Census Bureau reported today. This followed a 1.4 percent March increase. Shipments, up eleven of the last twelve months, increased \$1.8 billion or 0.4 percent to \$487.8 billion. This followed a 2.1 percent March increase. Unfilled orders, up three consecutive months, increased \$1.8 billion or 0.2 percent to \$1,196.9 billion. This followed a 0.5 percent March increase. The unfilled orders-to-shipments ratio was 6.84, down from 7.00 in March. Inventories, up ten of the last eleven months, increased \$2.4 billion or 0.3 percent to \$723.6 billion. This followed a 0.8 percent March increase. The inventories-to-shipments ratio was 1.48, unchanged from March.

Data Inquiries

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New Orders

New orders for manufactured durable goods in April, down following eleven consecutive monthly increases, decreased \$3.2 billion or 1.3 percent to \$246.3 billion, unchanged from the previously published decrease. This followed a 1.3 percent March increase. Transportation equipment, down two consecutive months, drove the decrease, \$4.9 billion or 6.6 percent to \$68.9 billion. New orders for manufactured nondurable goods increased \$0.2 billion or 0.1 percent to \$238.9 billion.

Shipments

Shipments of manufactured durable goods in April, up eleven of the last twelve months, increased \$1.5 billion or 0.6 percent to \$249.0 billion, unchanged from the previously published increase. This followed a 2.7 percent March increase. Primary metals, also up eleven of the last twelve months, led the increase, \$0.6 billion or 2.7 percent to \$21.7 billion. Shipments of manufactured nondurable goods, up eleven of the last twelve months, increased \$0.2 billion or 0.1 percent to \$238.9 billion. This followed a 1.6 percent March increase. Chemical products, also up eleven of the last twelve months, drove the increase, \$0.6 billion or 0.9 percent to \$63.0 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in April, up three consecutive months, increased \$1.8 billion or 0.2 percent to \$1,196.9 billion, unchanged from the previously published increase. This followed a 0.5 percent March increase. Fabricated metal products, up eleven consecutive months, drove the increase, \$3.1 billion or 3.4 percent to \$95.9 billion.

Inventories

Inventories of manufactured durable goods in April, up three consecutive months, increased \$2.3 billion or 0.5 percent to \$441.8 billion, unchanged from the previously published increase. This followed a 1.1 percent March increase. Transportation equipment, also up three consecutive months, led the increase, \$0.9 billion or 0.6 percent to \$149.4 billion. Inventories of manufactured nondurable goods, up eight of the last nine months, increased \$0.1 billion or virtually unchanged to \$281.8 billion. This followed a 0.3 percent March increase. Beverage and Tobacco products, up three consecutive months, drove the increase, \$0.2 billion or 0.7 percent to \$26.2 billion. By stage of fabrication, April materials and supplies increased 0.9 percent in durable goods and 0.3 percent in nondurable goods. Work in process was virtually unchanged in durable goods and increased 0.8 percent in nondurable goods. Finished goods increased 0.7 percent in durable goods and decreased 0.4 percent in nondurable goods.

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The Advance Report on durable goods for May is scheduled for release on June 24, 2021 at 8:30 a.m. EDT and the Full Report on July 2, 2021 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 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

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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 14, 2021. These revisions result from

- benchmarking the M3 shipments and inventories data to the 2019 and 2018 Annual Survey of Manufactures (ASM) data, as well as to revised ASM data from 2013 through 2016, resulting from benchmarking the ASM to the 2017 Economic Census;
- incorporating the unfilled orders to shipments ratios obtained for 2019 and 2018 from the Manufacturers' Unfilled Orders (M3UFO) Survey by applying these ratios to the respective ASM shipments data, as well as incorporating revised unfilled orders to shipments ratios for prior years;
- adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- 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 2021 and the data not seasonally adjusted for January 2012 through March 2021. An updated Press Release contains revised monthly tables for January 2021 through March 2021.

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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 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. 2021 ^p	Mar. 2021 ^r	Feb. 2021	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2021 ^p	Mar. 2021 ^r	Feb. 2021	Apr. 2020	2021 ^p	2020	% Change 2021/2020
All manufacturing industries ²	485,156	488,073	481,195	-0.6	1.4	0.4	488,031	528,639	454,328	355,147	1,915,680	1,678,023	14.2
Excluding transportation ²	416,215	414,230	405,012	0.5	2.3	-0.5	421,942	439,249	379,476	339,977	1,620,415	1,470,431	10.2
Excluding defense ²	474,496	474,317	465,386	0.0	1.9	0.4	477,000	508,736	440,606	344,811	1,858,187	1,619,914	14.7
With unfilled orders ²	176,682	177,221	176,058	-0.3	0.7	4.6	176,058	200,889	170,868	112,764	705,750	580,420	21.6
Durable goods industries ²	246,303	249,467	246,261	-1.3	1.3	1.3	246,187	279,768	236,976	153,677	985,804	805,223	22.4
Primary metals.....	22,631	21,959	20,840	3.1	5.4	-0.1	23,409	24,069	21,151	15,945	89,639	75,308	19.0
Iron and steel mills.....	11,030	10,745	10,173	2.7	5.6	-1.6	11,616	12,048	10,462	7,682	44,618	37,042	20.5
Aluminum and nonferrous metals.....	10,226	9,807	9,418	4.3	4.1	2.2	10,334	10,599	9,463	7,074	39,550	33,196	19.1
Ferrous metal foundries.....	1,375	1,407	1,249	-2.3	12.7	-3.8	1,459	1,422	1,226	1,189	5,471	5,070	7.9
Fabricated metal products.....	36,441	36,034	33,691	1.1	7.0	-0.1	37,586	38,545	32,753	25,556	141,188	117,014	20.7
Machinery.....	36,042	35,598	34,488	1.2	3.2	0.2	37,279	39,375	34,223	28,827	143,273	125,580	14.1
Construction machinery.....	3,519	3,580	3,533	-1.7	1.3	4.0	3,617	3,876	3,704	1,861	14,660	10,225	43.4
Mining, oil field, and gas field machinery.....	1,293	1,287	1,395	0.5	-7.7	16.3	1,209	1,412	1,308	1,280	5,044	5,766	-12.5
Industrial machinery.....	4,290	3,719	3,061	15.4	21.5	-7.0	4,242	4,453	2,571	2,777	14,399	12,352	16.6
Photographic equipment.....	531	547	615	-2.9	-11.1	18.3	452	574	606	438	2,020	1,790	12.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,287	4,282	4,344	0.1	-1.4	3.4	4,581	4,643	3,806	3,432	16,483	14,247	15.7
Metalworking machinery.....	2,642	2,820	2,748	-6.3	2.6	3.7	2,546	2,935	2,775	2,474	10,875	10,166	7.0
Turbines, generators, and other power transmission equipment.....	4,017	4,131	3,868	-2.8	6.8	-1.3	4,081	4,266	3,922	3,155	16,033	14,126	13.5
Material handling equipment.....	2,902	2,867	2,676	1.2	7.1	-2.4	2,805	3,095	2,777	2,551	11,201	10,674	4.9
Computers and electronic products ²	24,739	24,675	24,536	0.3	0.6	-0.7	22,929	28,314	21,908	20,966	94,581	87,367	8.3
Computers.....	710	742	750	-4.3	-1.1	2.7	653	730	568	625	2,573	2,461	4.6
Nondefense communications equipment.....	3,204	3,315	3,208	-3.3	3.3	-3.7	3,010	4,035	2,667	2,626	12,330	10,701	15.2
Defense communications equipment.....	201	213	220	-5.6	-3.2	5.3	189	234	208	177	802	721	11.2
Electronic components.....	4,707	4,717	4,564	-0.2	3.4	0.8	4,663	4,907	4,101	4,244	17,980	16,501	9.0
Nondefense search and navigation equipment.....	1,638	1,570	1,604	4.3	-2.1	-4.0	1,553	1,873	1,512	1,465	6,431	6,420	0.2
Defense search and navigation equipment.....	2,918	2,940	3,117	-0.7	-5.7	1.2	2,743	3,828	2,987	2,856	11,910	11,707	1.7
Electromedical, measuring, and control instruments.....	9,684	9,615	9,481	0.7	1.4	-0.8	8,687	10,930	8,565	7,872	36,635	33,794	8.4
Electrical equipment, appliances, and components.....	12,428	12,521	12,534	-0.7	-0.1	1.6	12,716	13,320	11,853	10,143	49,080	43,575	12.6
Electric lighting equipment.....	1,148	1,243	1,195	-7.6	4.0	4.7	1,127	1,312	1,100	1,056	4,563	4,395	3.8
Household appliances.....	2,551	2,683	2,741	-4.9	-2.1	2.3	2,679	2,862	2,263	1,657	10,028	7,471	34.2
Electrical equipment.....	3,127	3,197	3,345	-2.2	-4.4	3.8	2,995	3,599	3,267	3,134	12,835	14,158	-9.3
Transportation equipment.....	68,941	73,843	76,183	-6.6	-3.1	5.6	66,089	89,390	74,852	15,170	295,265	207,592	42.2
Motor vehicle bodies, parts, and trailers.....	25,727	26,195	25,604	-1.8	2.3	-5.0	26,288	28,857	26,402	16,453	106,970	94,365	13.4
Nondefense aircraft and parts ³	8,138	6,931	9,070	17.4	-23.6	742.2	5,039	10,386	9,612	-14,695	26,915	-21,456	(NA)
Defense aircraft and parts.....	3,607	3,943	5,388	-8.5	-26.8	1.7	3,164	5,893	4,059	4,356	18,391	20,017	-8.1
Ships and boats.....	1,382	3,711	3,920	-62.8	-5.3	-22.9	2,863	6,065	4,178	1,820	17,598	16,242	8.3
Furniture and related products.....	6,124	6,117	5,979	0.1	2.3	-0.7	6,329	6,519	6,030	5,541	24,690	24,460	0.9
Nondurable goods industries.....	238,853	238,606	234,934	0.1	1.6	-0.5	241,844	248,871	217,352	201,470	929,876	872,800	6.5

^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 year-to-date 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, April Full Report, June 4, 2021. 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 April 2021/ 2020
	Apr. 2021 ^p	Mar. 2021 ^r	Feb. 2021	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2021 ^p	Mar. 2021 ^r	Feb. 2021	Apr. 2020	
All manufacturing industries ²	1,196,942	1,195,141	1,188,681	0.2	0.5	0.8	1,211,590	1,208,989	1,194,825	1,242,496	-2.5
Excluding transportation ²	395,755	389,738	383,698	1.5	1.6	1.1	402,004	394,472	386,361	365,188	10.1
Excluding defense ²	979,381	974,082	967,832	0.5	0.6	0.8	990,233	985,113	975,937	1,018,149	-2.7
Durable goods industries ²	1,196,942	1,195,141	1,188,681	0.2	0.5	0.8	1,211,590	1,208,989	1,194,825	1,242,496	-2.5
Primary metals.....	37,749	36,801	35,945	2.6	2.4	2.0	38,687	37,972	36,988	31,890	21.3
Iron and steel mills.....	17,542	17,052	16,636	2.9	2.5	1.2	18,011	17,627	17,083	14,211	26.7
Aluminum and nonferrous metals.....	13,732	13,408	13,141	2.4	2.0	3.1	14,142	13,964	13,571	12,131	16.6
Ferrous metal foundries.....	6,475	6,341	6,168	2.1	2.8	1.9	6,534	6,381	6,334	5,548	17.8
Fabricated metal products.....	95,912	92,795	89,779	3.4	3.4	2.0	97,138	93,499	89,681	81,946	18.5
Machinery.....	103,634	102,156	100,723	1.4	1.4	1.1	105,490	103,550	102,248	96,901	8.9
Construction machinery.....	9,091	8,635	8,228	5.3	4.9	5.3	9,613	9,222	8,828	6,211	54.8
Mining, oil field, and gas field machinery.....	4,233	4,253	4,261	-0.5	-0.2	3.0	4,233	4,253	4,261	4,028	5.1
Industrial machinery.....	8,697	8,610	8,490	1.0	1.4	-1.7	9,096	8,802	8,509	9,932	-8.4
Photographic equipment.....	1,978	1,980	1,953	-0.1	1.4	5.3	1,968	1,989	2,025	2,556	-23.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,740	7,566	7,311	2.3	3.5	2.8	8,129	7,739	7,422	6,909	17.7
Metalworking machinery.....	9,541	9,704	9,675	-1.7	0.3	0.2	9,665	9,796	9,912	8,762	10.3
Turbines, generators, and other power transmission equipment.....	21,755	21,577	21,316	0.8	1.2	0.2	21,755	21,577	21,316	21,718	0.2
Material handling equipment.....	12,904	12,845	12,816	0.5	0.2	0.3	12,904	12,964	13,005	12,561	2.7
Computers and electronic products ²	118,685	118,607	118,380	0.1	0.2	0.2	119,910	119,607	118,480	117,655	1.9
Computers.....	1,536	1,553	1,536	-1.1	1.1	0.1	1,536	1,553	1,536	1,531	0.3
Nondefense communications equipment.....	18,269	18,233	18,157	0.2	0.4	0.0	18,536	18,341	18,189	17,651	5.0
Defense communications equipment.....	448	462	474	-3.0	-2.5	-1.7	467	496	492	580	-19.5
Electronic components.....	13,303	13,173	13,051	1.0	0.9	0.0	13,569	13,304	13,315	13,307	2.0
Nondefense search and navigation equipment.....	25,383	25,287	25,198	0.4	0.4	0.4	25,413	25,236	25,120	24,195	5.0
Defense search and navigation equipment.....	33,650	33,811	33,899	-0.5	-0.3	0.3	34,069	34,251	33,700	34,365	-0.9
Electromedical, measuring, and control instruments.....	26,096	26,088	26,065	0.0	0.1	0.0	26,320	26,426	26,128	26,026	1.1
Electrical equipment, appliances, and components.....	28,668	28,486	28,139	0.6	1.2	2.1	29,268	28,818	28,436	25,968	12.7
Electric lighting equipment.....	1,957	1,962	1,873	-0.3	4.8	2.5	1,954	1,967	1,864	1,799	8.6
Household appliances.....	2,666	2,690	2,666	-0.9	0.9	5.8	2,641	2,607	2,564	1,575	67.7
Electrical equipment.....	12,257	12,446	12,489	-1.5	-0.3	1.0	12,444	12,639	12,655	12,486	-0.3
Transportation equipment.....	801,187	805,403	804,983	-0.5	0.1	0.7	809,586	814,517	808,464	877,308	-7.7
Motor vehicle bodies, parts, and trailers.....	26,225	25,759	25,428	1.8	1.3	1.6	26,800	26,809	26,666	23,602	13.5
Nondefense aircraft and parts.....	573,926	575,318	575,338	-0.2	0.0	0.4	578,404	581,065	579,306	645,186	-10.4
Defense aircraft and parts.....	84,145	85,101	85,701	-1.1	-0.7	0.9	85,149	86,206	85,394	90,620	-6.0
Ships and boats.....	50,863	52,649	51,819	-3.4	1.6	2.2	53,653	54,081	51,152	49,992	7.3
Furniture and related products.....	10,496	10,322	10,170	1.7	1.5	-0.1	10,900	10,455	9,966	10,204	6.8

^p Preliminary

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

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

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Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, April Full Report, June 4, 2021. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		% Change ⁶
	Apr. 2021 ^p	Mar. 2021 ^r	Feb. 2021	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2021 ^p	Mar. 2021 ^r	Feb. 2021	Apr. 2020	2021 ^p	2020	
SHIPMENTS													
All manufacturing industries.....	487,805	486,040	475,852	0.4	2.1	-1.8	489,408	518,296	444,179	381,405	1,895,202	1,733,802	9.3
Construction materials and supplies.....	55,477	55,140	53,433	0.6	3.2	-3.1	57,539	56,444	47,561	45,374	208,868	185,371	12.7
Information technology.....	24,937	24,619	24,416	1.3	0.8	-1.1	23,124	27,282	21,723	20,398	93,280	84,894	9.9
Computers and related products.....	2,046	1,931	1,977	6.0	-2.3	0.9	1,794	2,154	1,545	1,443	7,214	6,318	14.2
Motor vehicle and parts.....	49,654	53,027	50,977	-6.4	4.0	-8.3	49,599	59,801	50,589	21,011	209,600	170,617	22.8
Capital goods.....	91,127	87,460	86,105	4.2	1.6	-2.3	87,611	97,718	79,641	69,799	341,100	311,090	9.6
Nondefense capital goods ³	78,911	75,807	74,499	4.1	1.8	-2.3	75,843	85,007	68,515	59,318	295,718	268,649	10.1
Excluding aircraft.....	72,495	71,883	70,785	0.9	1.6	-0.9	71,092	79,756	65,860	57,572	279,990	248,363	12.7
Defense capital goods ⁴	12,216	11,653	11,606	4.8	0.4	-2.1	11,768	12,711	11,126	10,481	45,382	42,441	6.9
Consumer goods.....	194,256	197,112	192,786	-1.4	2.2	-1.2	193,993	206,109	179,575	142,819	761,485	686,932	10.9
Consumer durable goods.....	35,645	38,377	36,849	-7.1	4.1	-8.5	34,780	42,800	35,970	14,093	148,497	118,182	25.7
Consumer nondurable goods.....	158,611	158,735	155,937	-0.1	1.8	0.7	159,213	163,309	143,605	128,726	612,988	568,750	7.8
NEW ORDERS													
All manufacturing industries ⁵	485,156	488,073	481,195	-0.6	1.4	0.4	488,031	528,639	454,328	355,147	1,915,680	1,678,023	14.2
Construction materials and supplies.....	58,030	58,114	55,385	-0.1	4.9	-1.8	60,811	60,189	50,137	44,531	220,511	185,094	19.1
Information technology.....	25,283	25,028	24,979	1.0	0.2	-0.3	23,765	28,636	22,896	20,811	97,015	87,440	11.0
Computers and related products.....	2,029	1,948	1,979	4.2	-1.6	1.6	1,777	2,171	1,547	1,416	7,205	6,262	15.1
Motor vehicle and parts.....	50,120	53,358	51,379	-6.1	3.9	-8.2	49,590	59,944	51,568	20,205	211,553	170,671	24.0
Capital goods.....	89,154	89,710	92,213	-0.6	-2.7	8.8	86,883	106,669	88,194	50,267	359,418	268,518	33.9
Nondefense capital goods ³	80,044	77,437	78,315	3.4	-1.1	10.7	77,156	88,830	76,208	41,320	308,155	217,320	41.8
Excluding aircraft.....	74,938	73,318	72,150	2.2	1.6	-0.3	74,454	81,723	69,288	58,627	292,489	255,153	14.6
Defense capital goods ⁴	9,110	12,273	13,898	-25.8	-11.7	-1.0	9,727	17,839	11,986	8,947	51,263	51,198	0.1
Consumer goods.....	194,389	197,361	192,976	-1.5	2.3	-1.2	194,111	206,482	179,778	142,673	762,528	687,159	11.0
Consumer durable goods.....	35,778	38,626	37,039	-7.4	4.3	-8.5	34,898	43,173	36,173	13,947	149,540	118,409	26.3
Consumer nondurable goods.....	158,611	158,735	155,937	-0.1	1.8	0.7	159,213	163,309	143,605	128,726	612,988	568,750	7.8
UNFILLED ORDERS													
All manufacturing industries ⁵	1,196,942	1,195,141	1,188,681	0.2	0.5	0.8	1,211,590	1,208,989	1,194,825	1,242,496	(X)	(X)	-2.5
Construction materials and supplies.....	68,241	65,688	62,714	3.9	4.7	3.2	69,440	66,168	62,423	57,152	(X)	(X)	21.5
Information technology.....	119,148	118,802	118,393	0.3	0.3	0.5	120,538	119,897	118,543	117,012	(X)	(X)	3.0
Computers and related products.....	1,536	1,553	1,536	-1.1	1.1	0.1	1,536	1,553	1,536	1,531	(X)	(X)	0.3
Motor vehicle and parts.....	26,225	25,759	25,428	1.8	1.3	1.6	26,800	26,809	26,666	23,602	(X)	(X)	13.5
Capital goods.....	913,741	915,714	913,464	-0.2	0.2	0.7	924,771	925,499	916,548	974,678	(X)	(X)	-5.1
Nondefense capital goods ³	721,870	720,737	719,107	0.2	0.2	0.5	729,162	727,849	724,026	780,070	(X)	(X)	-6.5
Excluding aircraft.....	223,289	220,846	219,411	1.1	0.7	0.6	226,409	223,047	221,080	212,872	(X)	(X)	6.4
Defense capital goods ⁴	191,871	194,977	194,357	-1.6	0.3	1.2	195,609	197,650	192,522	194,608	(X)	(X)	0.5
Consumer goods.....	7,158	7,025	6,776	1.9	3.7	2.9	7,256	7,138	6,765	5,405	(X)	(X)	34.2
Consumer durable goods.....	7,158	7,025	6,776	1.9	3.7	2.9	7,256	7,138	6,765	5,405	(X)	(X)	34.2
TOTAL INVENTORIES													
All manufacturing industries.....	723,582	721,170	715,661	0.3	0.8	0.8	728,534	723,140	720,726	702,519	(X)	(X)	3.7
Construction materials and supplies.....	76,356	75,682	74,739	0.9	1.3	1.0	77,800	76,997	75,962	76,221	(X)	(X)	2.1
Information technology.....	40,534	40,376	40,247	0.4	0.3	0.1	40,625	39,909	40,238	39,894	(X)	(X)	1.8
Computers and related products.....	3,736	3,688	3,564	1.3	3.5	0.7	3,611	3,491	3,568	3,277	(X)	(X)	10.2
Motor vehicle and parts.....	45,635	44,095	42,511	3.5	3.7	2.4	45,833	44,331	43,436	40,863	(X)	(X)	12.2
Capital goods.....	217,245	217,433	216,737	-0.1	0.3	0.3	217,777	216,639	216,927	214,853	(X)	(X)	1.4
Nondefense capital goods ³	196,367	196,699	196,013	-0.2	0.3	0.3	196,903	195,815	196,188	194,490	(X)	(X)	1.2
Excluding aircraft.....	130,949	130,658	130,323	0.2	0.3	0.4	131,647	130,373	130,498	130,053	(X)	(X)	1.2
Defense capital goods ⁴	20,878	20,734	20,724	0.7	0.0	1.0	20,874	20,824	20,739	20,363	(X)	(X)	2.5
Consumer goods.....	220,952	220,088	217,995	0.4	1.0	1.4	221,514	219,916	219,030	203,566	(X)	(X)	8.8
Consumer durable goods.....	36,117	35,041	33,549	3.1	4.4	2.3	36,104	34,904	34,321	32,022	(X)	(X)	12.7
Consumer nondurable goods.....	184,835	185,047	184,446	-0.1	0.3	1.2	185,410	185,012	184,709	171,544	(X)	(X)	8.1

^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, April Full Report, June 4, 2021. 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 2021 ⁰	Mar 2021 ¹	Feb 2021	Jan 2021	Apr 2021 ⁰	Mar 2021 ¹	Feb 2021	Jan 2021
All manufacturing industries ³	1.48	1.48	1.50	1.47	(X)	(X)	(X)	(X)
Durable goods industries ³	1.77	1.78	1.81	1.74	6.84	7.00	7.14	6.95
Wood products.....	1.17	1.17	1.22	1.19	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.24	1.24	1.26	1.19	(X)	(X)	(X)	(X)
Primary metals.....	1.73	1.75	1.80	1.75	1.74	1.74	1.78	1.73
Fabricated metal products.....	1.68	1.67	1.70	1.67	2.96	2.89	2.89	2.81
Machinery.....	2.05	2.08	2.12	2.07	3.31	3.32	3.36	3.30
Computers and electronic products ³	1.59	1.61	1.63	1.61	5.16	5.18	5.20	5.12
Electrical equipment, appliances, and components.....	1.65	1.66	1.68	1.67	2.52	2.52	2.54	2.50
Transportation equipment.....	2.04	2.02	2.06	1.90	16.43	17.41	17.83	16.85
Furniture and related products.....	1.27	1.26	1.25	1.27	2.00	1.95	1.93	1.99
Miscellaneous products.....	1.64	1.64	1.63	1.60	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.18	1.18	1.19	1.18	(X)	(X)	(X)	(X)
Food products.....	0.89	0.90	0.91	0.91	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	2.00	1.95	2.03	2.01	(X)	(X)	(X)	(X)
Textiles.....	1.38	1.33	1.37	1.32	(X)	(X)	(X)	(X)
Textile products.....	2.07	2.06	2.09	2.14	(X)	(X)	(X)	(X)
Apparel.....	2.08	2.07	2.09	2.09	(X)	(X)	(X)	(X)
Leather and allied products.....	2.03	2.18	2.24	2.26	(X)	(X)	(X)	(X)
Paper products.....	0.90	0.90	0.90	0.91	(X)	(X)	(X)	(X)
Printing.....	0.87	0.86	0.88	0.89	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.86	0.86	0.87	0.83	(X)	(X)	(X)	(X)
Chemical products.....	1.56	1.57	1.58	1.55	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.32	1.31	1.33	1.31	(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, April Full Report, June 4, 2021. 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 2021	Apr ³ 2020-Mar 2021	Apr ² 2021	Apr ³ 2020-Mar 2021	Apr ² 2021	Apr ³ 2020-Mar 2021	Apr ² 2021	Apr ³ 2020-Mar 2021
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
Durable goods industries.....	0.0	0.2	0.0	0.6	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.0	0.6	0.1	0.8	0.0	0.2	0.0	0.2
Fabricated metal products.....	0.2	0.5	0.2	1.2	0.0	0.3	0.1	0.2
Machinery.....	0.0	0.4	-0.2	0.9	-0.1	0.1	0.0	0.1
Computers and electronic products.....	0.0	0.3	-0.1	0.2	0.0	0.1	0.0	0.1
Electrical equipment, appliances, and components.....	0.2	0.5	0.2	0.9	-0.1	0.3	0.0	0.2
Transportation equipment.....	0.0	0.5	0.1	1.4	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.8	(X)	0.8	(X)	0.5	(X)	0.4
Miscellaneous products.....	(X)	0.4	(X)	0.3	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Beverage and tobacco products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.1
Textile products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Paper products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.5
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Plastics and rubber products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable

NA Not Available

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

² The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

³ The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, April Full Report, June 4, 2021. 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>.