

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

Release Number: CB 21-111 M3-2 (21)-06

**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](#)>.

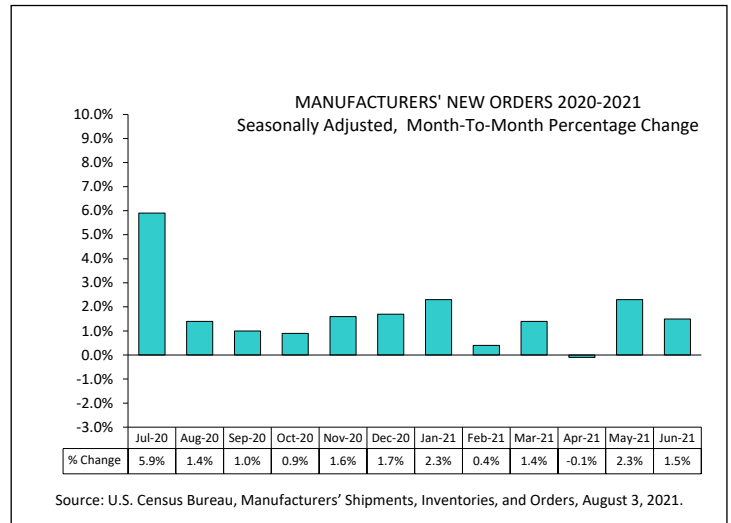
**August 3, 2021** — The U.S. Census Bureau announces the June full report on manufacturers' shipments, inventories and orders:

**MANUFACTURED GOODS – NEW ORDERS**

<b>JUNE 2021</b>	<b>\$506.0 billion</b>	<b>+1.5%°</b>
<b>MAY 2021 (revised)</b>	<b>\$498.6 billion</b>	<b>+2.3%°</b>

**Next release: September 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, August 3, 2021.



## Summary

New orders for manufactured goods in June, up thirteen of the last fourteen months, increased \$7.4 billion or 1.5 percent to \$506.0 billion, the U.S. Census Bureau reported today. This followed a 2.3 percent May increase. Shipments, also up thirteen of the last fourteen months, increased \$7.6 billion or 1.6 percent to \$499.0 billion. This followed a 0.9 percent May increase. Unfilled orders, up five consecutive months, increased \$11.5 billion or 1.0 percent to \$1,223.1 billion. This followed a 1.0 percent May increase. The unfilled orders-to-shipments ratio was 6.94, down from 6.96 in May. Inventories, up twelve of the last thirteen months, increased \$7.4 billion or 1.0 percent to \$740.7 billion. This followed a 1.1 percent May increase. The inventories-to-shipments ratio was 1.48, down from 1.49 in May.

### Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3)  
301-763-4832  
[eid.m3.qs@census.gov](mailto:eid.m3.qs@census.gov)

### Media Inquiries

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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

## **New Orders**

New orders for manufactured durable goods in June, up thirteen of the last fourteen months, increased \$2.3 billion or 0.9 percent to \$257.9 billion, up from the previously published 0.8 percent increase. This followed a 3.2 percent May increase. Transportation equipment, up two consecutive months, led the increase, \$1.5 billion or 2.0 percent to \$77.4 billion. New orders for manufactured nondurable goods increased \$5.1 billion or 2.1 percent to \$248.1 billion.

## **Shipments**

Shipments of manufactured durable goods in June, up three of the last four months, increased \$2.6 billion or 1.0 percent to \$250.8 billion, unchanged from the previously published increase. This followed a 0.4 percent May increase. Transportation equipment, up following two consecutive monthly decreases, led the increase, \$0.8 billion or 1.1 percent to \$71.6 billion. Shipments of manufactured nondurable goods, up thirteen of the last fourteen months, increased \$5.1 billion or 2.1 percent to \$248.1 billion. This followed a 1.4 percent May increase. Petroleum and coal products, up twelve of the last thirteen months, led the increase, \$3.7 billion or 8.1 percent to \$49.8 billion.

## **Unfilled Orders**

Unfilled orders for manufactured durable goods in June, up five consecutive months, increased \$11.5 billion or 1.0 percent to \$1,223.1 billion, up from the previously published 0.9 percent increase. This followed a 1.0 percent May increase. Transportation equipment, up four of the last five months, led the increase, \$5.8 billion or 0.7 percent to \$813.9 billion.

## **Inventories**

Inventories of manufactured durable goods in June, up five consecutive months, increased \$4.2 billion or 0.9 percent to \$451.0 billion, unchanged from the previously published increase. This followed a 1.0 percent May increase. Transportation equipment, also up five consecutive months, led the increase, \$1.4 billion or 0.9 percent to \$151.6 billion. Inventories of manufactured nondurable goods, up ten of the last eleven months, increased \$3.1 billion or 1.1 percent to \$289.7 billion. This followed a 1.4 percent May increase. Petroleum and coal products, up seven of the last eight months, led the increase, \$2.0 billion or 4.9 percent to \$42.0 billion. By stage of fabrication, June materials and supplies increased 1.1 percent in durable goods and 1.2 percent in nondurable goods. Work in process increased 1.2 percent in durable goods and 1.0 percent in nondurable goods. Finished goods increased 0.4 percent in durable goods and 1.1 percent in nondurable goods.

### **Data Inquiries**

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3)  
301-763-4832  
[eid.m3.qs@census.gov](mailto:eid.m3.qs@census.gov)

### **Media Inquiries**

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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

The Advance Report on durable goods for July is scheduled for release on August 25, 2021 at 8:30 a.m. EDT and the Full Report on September 2, 2021 at 10:00 a.m. EDT. View the full schedule in the Economic Briefing Room: <[www.census.gov/economic-indicators/](http://www.census.gov/economic-indicators/)>. The full text and tables of this release can be found at <[www.census.gov/m3](http://www.census.gov/m3)>.

## EXPLANATORY NOTES

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

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

## Description of the survey

This report is compiled from results of the U.S. Census Bureau’s Manufacturers’ Shipments, Inventories, and Orders (M3) survey, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). Data published from the M3 survey are based on a panel of approximately 5,000 reporting units that represent approximately 3,100 companies and provide an indication of month-to-month change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-month movements of all establishments that make up the category. The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 60 percent of the total value of shipments for manufacturing establishments in the 2017 Economic Census, and these companies include roughly 61 percent of the manufacturing companies with \$500 million or more in shipments in the 2017 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 51 percent of the total value of shipments for manufacturing establishments in the 2017 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many

### Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3)  
301-763-4832  
[eid.m3.qs@census.gov](mailto:eid.m3.qs@census.gov)

### Media Inquiries

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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

sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication. Additional survey documentation can be found on our web site:

[www.census.gov/manufacturing/m3/how\\_the\\_data\\_are\\_collected/index.html](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html).

### **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.

#### **Data Inquiries**

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3)  
301-763-4832  
[eid.m3.qs@census.gov](mailto:eid.m3.qs@census.gov)

#### **Media Inquiries**

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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

## RESOURCES

### API

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

<[www.census.gov/developers/](http://www.census.gov/developers/)>.

### FRED Mobile App



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

###

#### Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3)  
301-763-4832  
[eid.m3.qs@census.gov](mailto:eid.m3.qs@census.gov)

#### Media Inquiries

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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



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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	June 2021 <sup>p</sup>	May 2021 <sup>r</sup>	Apr. 2021	May - June	Apr. - May	Mar. - Apr.	June 2021 <sup>p</sup>	May 2021 <sup>r</sup>	Apr. 2021	June 2020	2021 <sup>p</sup>	2020	% Change 2021/2020
All manufacturing industries <sup>2</sup> .....	505,974	498,587	487,409	1.5	2.3	-0.1	534,541	496,138	488,426	431,556	2,946,754	2,489,322	18.4
Excluding transportation <sup>2</sup> .....	428,588	422,698	418,421	1.4	1.0	1.0	450,598	428,371	422,365	382,845	2,499,807	2,199,163	13.7
Excluding defense <sup>2</sup> .....	494,426	486,626	476,651	1.6	2.1	0.5	520,523	486,704	477,396	417,849	2,865,810	2,407,008	19.1
With unfilled orders <sup>2</sup> .....	187,809	185,820	179,098	1.1	3.8	1.1	200,917	177,873	176,281	141,346	1,084,763	852,551	27.2
Durable goods industries <sup>2</sup> .....	257,860	255,529	247,644	0.9	3.2	-0.7	276,085	247,305	246,489	209,441	1,509,496	1,190,383	26.8
Primary metals.....	23,950	23,829	23,133	0.5	3.0	5.3	24,550	23,890	23,574	18,040	138,244	109,204	26.6
Iron and steel mills.....	12,249	11,773	11,369	4.0	3.6	5.8	12,379	11,766	11,763	8,508	68,910	53,174	29.6
Aluminum and nonferrous metals.....	10,291	10,577	10,370	-2.7	2.0	5.7	10,660	10,631	10,357	8,136	60,864	48,549	25.4
Ferrous metal foundries.....	1,410	1,479	1,394	-4.7	6.1	-0.9	1,511	1,493	1,454	1,396	8,470	7,481	13.2
Fabricated metal products.....	35,667	35,863	36,597	-0.5	-2.0	1.6	37,651	36,978	37,652	30,796	215,883	175,263	23.2
Machinery.....	36,991	36,616	36,400	1.0	0.6	2.3	39,475	36,306	37,268	32,528	219,043	187,036	17.1
Construction machinery.....	3,731	3,365	3,468	10.9	-3.0	-3.1	3,665	3,107	3,617	2,539	21,432	15,304	40.0
Mining, oil field, and gas field machinery.....	1,329	1,335	1,289	-0.4	3.6	0.2	1,391	1,269	1,209	1,177	7,704	8,008	-3.8
Industrial machinery.....	4,791	4,710	4,539	1.7	3.8	22.0	5,462	4,525	4,257	3,186	24,401	18,254	33.7
Photographic equipment.....	467	529	534	-11.7	-0.9	-2.4	454	500	452	462	2,974	2,689	10.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,965	4,259	4,320	-6.9	-1.4	0.9	4,835	4,555	4,586	4,708	25,878	22,582	14.6
Metalworking machinery.....	2,974	2,973	2,691	0.0	10.5	-4.6	3,164	2,808	2,551	2,705	16,852	15,102	11.6
Turbines, generators, and other power transmission equipment.....	4,016	3,971	4,048	1.1	-1.9	-2.0	4,167	4,034	4,101	3,537	24,254	21,052	15.2
Material handling equipment.....	3,157	3,093	2,938	2.1	5.3	2.5	3,478	2,955	2,799	2,614	17,628	15,555	13.3
Computers and electronic products <sup>2</sup> .....	25,024	24,777	24,787	1.0	0.0	0.5	27,228	23,190	22,890	25,214	144,960	133,741	8.4
Computers.....	711	705	713	0.9	-1.1	-3.9	801	745	653	820	4,119	3,949	4.3
Nondefense communications equipment.....	3,626	3,374	3,247	7.5	3.9	-2.1	4,277	2,979	3,010	3,474	19,586	16,701	17.3
Defense communications equipment.....	191	213	203	-10.3	4.9	-4.7	166	190	189	189	1,158	1,086	6.6
Electronic components.....	4,666	4,736	4,757	-1.5	-0.4	0.8	4,853	4,673	4,672	4,374	27,515	24,991	10.1
Nondefense search and navigation equipment.....	1,634	1,628	1,667	0.4	-2.3	6.2	1,809	1,584	1,552	1,781	9,823	9,662	1.7
Defense search and navigation equipment.....	2,907	2,820	2,868	3.1	-1.7	-2.4	3,261	2,480	2,742	3,462	17,650	17,776	-0.7
Electromedical, measuring, and control instruments.....	9,647	9,613	9,643	0.4	-0.3	0.3	10,216	9,088	8,634	9,476	55,886	51,641	8.2
Electrical equipment, appliances, and components.....	12,996	12,959	12,579	0.3	3.0	0.5	14,055	12,869	12,787	11,157	76,075	64,892	17.2
Electric lighting equipment.....	1,209	1,155	1,140	4.7	1.3	-8.3	1,313	1,153	1,134	1,178	7,036	6,603	6.6
Household appliances.....	2,650	2,647	2,602	0.1	1.7	-3.0	2,796	2,662	2,717	2,320	15,524	11,814	31.4
Electrical equipment.....	3,213	3,246	3,140	-1.0	3.4	-1.8	3,653	3,197	3,023	3,462	19,713	20,637	-4.5
Transportation equipment.....	77,386	75,889	68,988	2.0	10.0	-6.6	83,943	67,767	66,061	48,711	446,947	290,159	54.0
Motor vehicle bodies, parts, and trailers.....	26,023	26,020	25,735	0.0	1.1	-1.8	26,988	25,801	26,232	25,133	159,703	138,410	15.4
Nondefense aircraft and parts <sup>3</sup> .....	16,118	13,772	9,138	17.0	50.7	31.8	17,688	8,691	5,056	-14,415	53,311	-38,026	(NA)
Defense aircraft and parts.....	3,508	3,193	3,553	9.9	-10.1	-9.9	3,883	2,364	3,164	4,001	24,638	27,018	-8.8
Ships and boats.....	1,309	2,702	1,542	-51.6	75.2	-58.4	2,700	1,501	2,868	3,837	21,804	21,699	0.5
Furniture and related products.....	6,231	6,238	6,206	-0.1	0.5	1.5	6,225	6,485	6,330	5,982	37,401	36,147	3.5
Nondurable goods industries.....	248,114	243,058	239,765	2.1	1.4	0.5	258,456	248,833	241,937	222,115	1,437,258	1,298,939	10.6

<sup>p</sup> Preliminary

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

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

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

<sup>3</sup> (NA) - New Orders 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, June Full Report, August 3, 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.

**Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups<sup>1</sup>**

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				% Change June 2021/ 2020
	June 2021 <sup>p</sup>	May 2021 <sup>r</sup>	Apr. 2021	May - June	Apr. - May	Mar. - Apr.	June 2021 <sup>p</sup>	May 2021 <sup>r</sup>	Apr. 2021	June 2020	
All manufacturing industries <sup>2</sup> .....	1,223,141	1,211,622	1,199,881	1.0	1.0	0.4	1,226,530	1,216,761	1,211,811	1,212,539	1.2
Excluding transportation <sup>2</sup> .....	409,253	403,492	396,814	1.4	1.7	1.8	412,818	408,793	402,272	363,335	13.6
Excluding defense <sup>2</sup> .....	1,009,489	995,806	982,282	1.4	1.4	0.8	1,009,719	999,449	990,455	990,084	2.0
Durable goods industries <sup>2</sup> .....	1,223,141	1,211,622	1,199,881	1.0	1.0	0.4	1,226,530	1,216,761	1,211,811	1,212,539	1.2
Primary metals.....	40,388	39,513	38,087	2.2	3.7	3.5	40,463	40,033	38,758	31,314	29.2
Iron and steel mills.....	18,959	18,342	17,734	3.4	3.4	4.0	18,845	18,475	18,085	13,984	34.8
Aluminum and nonferrous metals.....	14,618	14,499	13,864	0.8	4.6	3.4	14,854	14,852	14,142	11,822	25.6
Ferrous metal foundries.....	6,811	6,672	6,489	2.1	2.8	2.3	6,764	6,706	6,531	5,508	22.8
Fabricated metal products.....	100,531	98,568	96,087	2.0	2.6	3.5	101,997	100,278	97,192	81,924	24.5
Machinery.....	106,660	105,252	103,849	1.3	1.4	1.7	107,072	106,441	105,566	95,895	11.7
Construction machinery.....	9,878	9,285	9,038	6.4	2.7	4.7	9,635	9,459	9,613	6,090	58.2
Mining, oil field, and gas field machinery.....	4,190	4,260	4,233	-1.6	0.6	-0.5	4,190	4,260	4,233	3,785	10.7
Industrial machinery.....	9,060	8,942	8,786	1.3	1.8	2.0	9,229	9,200	9,115	9,471	-2.6
Photographic equipment.....	1,946	1,973	1,976	-1.4	-0.2	-0.2	1,873	1,965	1,968	2,455	-23.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,919	7,957	7,774	-0.5	2.4	2.7	8,188	8,326	8,139	6,901	18.6
Metalworking machinery.....	9,926	9,729	9,581	2.0	1.5	-1.3	10,008	9,789	9,664	8,840	13.2
Turbines, generators, and other power transmission equipment.....	21,962	21,838	21,770	0.6	0.3	0.9	21,962	21,838	21,770	21,585	1.7
Material handling equipment.....	13,228	13,061	12,944	1.3	0.9	0.8	13,400	13,016	12,953	12,472	7.4
Computers and electronic products <sup>2</sup> .....	119,824	119,152	118,785	0.6	0.3	0.2	120,379	119,823	119,922	117,456	2.5
Computers.....	1,502	1,508	1,536	-0.4	-1.8	-1.1	1,502	1,508	1,536	1,473	2.0
Nondefense communications equipment.....	18,927	18,501	18,315	2.3	1.0	0.4	18,967	18,615	18,536	17,575	7.9
Defense communications equipment.....	389	433	448	-10.2	-3.3	-3.0	369	449	467	495	-25.5
Electronic components.....	13,849	13,612	13,361	1.7	1.9	1.4	13,761	13,754	13,582	12,893	6.7
Nondefense search and navigation equipment.....	25,646	25,537	25,408	0.4	0.5	0.5	25,683	25,524	25,413	24,452	5.0
Defense search and navigation equipment.....	33,305	33,418	33,614	-0.3	-0.6	-0.6	33,715	33,582	34,068	34,540	-2.4
Electromedical, measuring, and control instruments.....	26,206	26,143	26,103	0.2	0.2	0.1	26,382	26,391	26,320	26,028	1.4
Electrical equipment, appliances, and components.....	30,092	29,499	28,819	2.0	2.4	1.2	30,629	30,021	29,323	25,740	19.0
Electric lighting equipment.....	1,966	1,937	1,948	1.5	-0.6	-0.7	2,008	1,911	1,954	1,821	10.3
Household appliances.....	2,852	2,812	2,734	1.4	2.9	1.6	2,872	2,790	2,697	1,803	59.3
Electrical equipment.....	12,219	12,265	12,260	-0.4	0.0	-1.5	12,308	12,428	12,439	12,259	0.4
Transportation equipment.....	813,888	808,130	803,067	0.7	0.6	-0.3	813,712	807,968	809,539	849,204	-4.2
Motor vehicle bodies, parts, and trailers.....	27,009	26,543	26,192	1.8	1.3	1.7	26,696	26,855	26,753	23,512	13.5
Nondefense aircraft and parts.....	589,488	582,049	575,796	1.3	1.1	0.1	586,870	580,281	578,404	618,951	-5.2
Defense aircraft and parts.....	82,080	82,862	84,092	-0.9	-1.5	-1.2	82,428	83,278	85,149	88,211	-6.6
Ships and boats.....	48,618	50,434	50,922	-3.6	-1.0	-3.3	50,976	51,715	53,653	50,029	1.9
Furniture and related products.....	11,094	10,858	10,576	2.2	2.7	2.5	11,614	11,547	10,900	10,349	12.2

<sup>p</sup> Preliminary

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

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

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

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.



**Table 4. Value of Manufacturers' Inventories for Industry Groups<sup>1</sup>**

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				% Change June 2021/ 2020
	June 2021 <sup>p</sup>	May 2021 <sup>r</sup>	Apr. 2021	May - June	Apr. - May	Mar. - Apr.	June 2021 <sup>p</sup>	May 2021 <sup>r</sup>	Apr. 2021	June 2020	
All manufacturing industries.....	740,685	733,325	725,071	1.0	1.1	0.5	738,979	737,564	728,836	699,679	5.6
Excluding transportation.....	589,102	583,125	575,627	1.0	1.3	0.5	588,675	586,917	579,337	555,058	6.1
Excluding defense.....	716,325	708,793	700,510	1.1	1.2	0.5	714,520	712,861	704,221	675,382	5.8
With unfilled orders.....	364,036	360,641	357,315	0.9	0.9	0.5	364,206	363,531	359,499	350,235	4.0
Durable goods industries.....	450,969	446,745	442,463	0.9	1.0	0.7	450,400	450,247	444,936	429,983	4.7
Wood products.....	13,744	13,537	13,379	1.5	1.2	1.4	13,418	13,304	13,396	11,677	14.9
Nonmetallic mineral products.....	14,437	14,341	14,214	0.7	0.9	-0.2	14,588	14,690	14,496	14,760	-1.2
Primary metals.....	39,174	38,626	37,621	1.4	2.7	1.9	39,132	39,034	37,906	34,351	13.9
Iron and steel mills.....	21,977	21,442	20,869	2.5	2.7	2.1	21,969	21,594	20,898	19,432	13.1
Aluminum and nonferrous metals.....	14,848	14,869	14,455	-0.1	2.9	1.9	14,812	15,077	14,640	12,635	17.2
Ferrous metal foundries.....	2,349	2,315	2,297	1.5	0.8	-0.3	2,351	2,363	2,368	2,284	2.9
Fabricated metal products.....	57,700	56,952	56,067	1.3	1.6	1.4	57,982	57,683	56,691	53,904	7.6
Machinery.....	72,542	72,054	71,231	0.7	1.2	0.5	72,787	72,771	71,659	70,566	3.1
Farm machinery.....	3,877	4,007	3,966	-3.2	1.0	1.8	3,802	4,099	3,952	3,583	6.1
Construction machinery.....	6,113	6,126	6,062	-0.2	1.1	0.7	6,156	6,157	6,165	5,869	4.9
Mining, oil field, and gas field machinery.....	6,304	6,223	6,019	1.3	3.4	1.4	6,325	6,211	5,967	6,077	4.1
Industrial machinery.....	9,071	9,053	8,936	0.2	1.3	1.0	9,309	9,099	8,678	8,846	5.2
Photographic equipment.....	1,287	1,287	1,287	0.0	0.0	0.1	1,266	1,291	1,290	1,261	0.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,511	5,415	5,444	1.8	-0.5	-1.2	5,543	5,739	5,837	5,685	-2.5
Metalworking machinery.....	5,842	5,797	5,755	0.8	0.7	0.9	5,816	5,836	5,765	5,803	0.2
Turbines, generators, and other power transmission equipment.....	9,497	9,334	9,183	1.7	1.6	0.0	9,578	9,515	9,379	9,268	3.3
Material handling equipment.....	5,579	5,503	5,446	1.4	1.0	0.9	5,640	5,493	5,500	5,332	5.8
Computers and electronic products <sup>2</sup> .....	46,826	46,509	46,434	0.7	0.2	-0.3	46,947	47,092	46,796	47,252	-0.6
Computers.....	2,021	1,981	1,995	2.0	-0.7	1.0	2,100	2,062	1,947	1,915	9.7
Computer storage devices.....	827	871	871	-5.1	0.0	3.1	806	852	789	726	11.0
Other peripheral equipment.....	834	824	854	1.2	-3.5	-1.6	824	842	876	857	-3.9
Nondefense communications equipment.....	4,489	4,431	4,398	1.3	0.8	0.2	4,467	4,522	4,406	4,431	0.8
Defense communications equipment.....	656	660	662	-0.6	-0.3	0.9	656	660	662	641	2.3
Audio and video equipment.....	666	675	690	-1.3	-2.2	-1.0	666	681	713	812	-18.0
Electronic components.....	8,268	8,127	8,172	1.7	-0.6	-1.1	8,363	8,157	8,604	8,925	-6.3
Nondefense search and navigation equipment.....	3,274	3,269	3,243	0.2	0.8	-0.3	3,254	3,273	3,243	3,257	-0.1
Defense search and navigation equipment.....	3,027	3,017	3,017	0.3	0.0	-0.2	3,025	3,104	3,065	2,952	2.5
Electromedical, measuring and control instruments.....	16,419	16,337	16,309	0.5	0.2	0.1	16,473	16,630	16,376	16,234	1.5
Electrical equipment, appliances, and components.....	20,506	20,405	20,159	0.5	1.2	-0.2	20,735	20,727	20,505	19,980	3.8
Electric lighting equipment.....	2,355	2,352	2,325	0.1	1.2	-0.8	2,366	2,377	2,337	2,372	-0.3
Household appliances.....	2,924	2,873	2,826	1.8	1.7	-0.9	2,911	2,888	2,893	2,599	12.0
Electrical equipment.....	6,293	6,312	6,205	-0.3	1.7	-1.2	6,374	6,479	6,361	6,387	-0.2
Batteries.....	1,768	1,748	1,733	1.1	0.9	-2.6	1,873	1,819	1,787	1,836	2.0
Transportation equipment.....	151,583	150,200	149,444	0.9	0.5	0.6	150,304	150,647	149,499	144,621	3.9
Automobiles.....	6,562	6,261	6,122	4.8	2.3	1.7	6,492	6,177	6,129	5,326	21.9
Light trucks and utility vehicles.....	7,872	7,834	7,607	0.5	3.0	13.4	7,571	8,020	7,488	5,395	40.3
Heavy duty trucks.....	2,571	2,495	2,405	3.0	3.7	2.5	2,621	2,622	2,462	1,973	32.8
Motor vehicle bodies, parts, and trailers.....	30,252	29,814	29,602	1.5	0.7	2.0	29,922	29,911	29,825	27,544	8.6
Nondefense aircraft and parts.....	76,866	76,259	76,228	0.8	0.0	-1.1	76,322	76,354	76,135	77,937	-2.1
Defense aircraft and parts.....	12,365	12,353	12,322	0.1	0.3	0.4	12,356	12,378	12,372	12,263	0.8
Ships and boats.....	3,560	3,672	3,757	-3.1	-2.3	8.8	3,640	3,731	3,707	3,285	10.8
Furniture and related products.....	7,699	7,637	7,576	0.8	0.8	0.8	7,900	7,695	7,536	7,598	4.0
Miscellaneous durable goods.....	26,758	26,484	26,338	1.0	0.6	0.4	26,607	26,604	26,452	25,274	5.3
Nondurable goods industries.....	289,716	286,580	282,608	1.1	1.4	0.3	288,579	287,317	283,900	269,696	7.0
Food products.....	62,685	62,373	61,962	0.5	0.7	0.1	61,117	60,738	60,674	58,804	3.9
Grain and oilseed milling.....	6,920	6,677	6,292	3.6	6.1	-0.1	6,656	6,393	6,139	5,152	29.2
Dairy products.....	9,163	9,131	9,085	0.4	0.5	1.6	9,348	9,308	9,255	8,734	7.0
Meat, poultry, and seafood products.....	9,742	9,792	9,753	-0.5	0.4	0.0	9,597	9,737	9,602	9,446	1.6
Beverage and tobacco products.....	26,604	26,452	26,258	0.6	0.7	1.0	26,222	26,543	26,502	26,227	0.0
Beverages.....	22,977	22,845	22,637	0.6	0.9	1.3	22,737	23,019	22,879	22,474	1.2
Tobacco.....	3,627	3,607	3,621	0.6	-0.4	-0.7	3,485	3,524	3,623	3,753	-7.1
Textile mills.....	3,073	3,065	3,067	0.3	-0.1	1.1	3,091	3,085	3,084	3,056	1.1
Textile products.....	3,911	3,879	3,862	0.8	0.4	0.1	3,877	3,852	3,853	4,006	-3.2
Apparel.....	1,841	1,819	1,791	1.2	1.6	0.4	1,872	1,813	1,758	1,873	-0.1
Leather and allied products.....	883	898	895	-1.7	0.3	-0.2	893	918	892	945	-5.5
Paper products.....	15,580	15,536	15,505	0.3	0.2	1.0	15,631	15,636	15,513	15,392	1.6
Pulp, paper, and paperboard mills.....	4,830	4,838	4,870	-0.2	-0.7	0.6	4,850	4,883	4,915	5,129	-5.4
Paperboard containers.....	5,512	5,465	5,427	0.9	0.7	-0.2	5,523	5,496	5,395	5,397	2.3
Printing.....	5,902	5,851	5,797	0.9	0.9	1.2	5,857	5,785	5,851	5,939	-1.4
Petroleum and coal products.....	41,952	39,994	37,737	4.9	6.0	-0.3	42,495	41,191	39,096	32,196	32.0
Petroleum refineries.....	36,759	34,877	32,693	5.4	6.7	-0.3	37,160	35,946	33,959	26,848	38.4
Chemical products.....	99,376	99,108	98,443	0.3	0.7	0.3	99,662	99,927	99,044	94,746	5.2
Pesticides, fertilizers, and other agricultural chemicals.....	5,013	5,041	5,025	-0.6	0.3	1.1	4,754	5,022	5,151	4,942	-3.8
Pharmaceuticals and medicines.....	45,153	45,354	45,410	-0.4	-0.1	-0.1	45,882	45,874	45,439	44,263	3.7
Paints, coatings, and adhesives.....	4,160	4,085	3,999	1.8	2.2	-0.2	4,223	4,131	4,158	3,916	7.8
Plastics and rubber products.....	27,909	27,605	27,291	1.1	1.2	0.7	27,862	27,829	27,633	26,512	5.1

<sup>p</sup> Preliminary

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

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

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

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.

**Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series<sup>1, 2</sup>**

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		% Change <sup>6</sup>
	June 2021 <sup>p</sup>	May 2021 <sup>f</sup>	Apr. 2021	May - June	Apr. - May	Mar. - Apr.	June 2021 <sup>p</sup>	May 2021 <sup>f</sup>	Apr. 2021	June 2020	2021 <sup>p</sup>	2020	
<b>SHIPMENTS</b>													
All manufacturing industries.....	498,955	491,339	487,131	1.6	0.9	0.2	529,007	495,067	489,567	456,354	2,919,435	2,582,400	13.1
Construction materials and supplies.....	55,977	55,574	55,453	0.7	0.2	0.6	61,692	57,786	57,567	53,227	328,374	286,066	14.8
Information technology.....	24,874	24,858	24,902	0.1	-0.2	1.1	27,190	23,666	23,077	24,652	144,089	130,587	10.3
Computers and related products.....	2,009	2,043	2,059	-1.7	-0.8	6.6	2,326	1,868	1,801	2,141	11,415	10,048	13.6
Motor vehicle and parts.....	49,340	49,614	48,584	-0.6	2.1	-8.4	52,434	48,854	49,594	49,521	310,883	245,884	26.4
Capital goods.....	91,062	89,521	90,424	1.7	-1.0	3.4	100,075	87,248	87,526	83,824	528,338	466,666	13.2
Nondefense capital goods <sup>3</sup> .....	79,242	77,710	78,157	2.0	-0.6	3.1	87,649	75,497	75,758	72,460	458,779	401,936	14.1
Excluding aircraft.....	73,717	73,260	72,559	0.6	1.0	0.9	79,988	71,549	71,007	69,641	431,442	377,452	14.3
Defense capital goods <sup>4</sup> .....	11,820	11,811	12,267	0.1	-3.7	5.3	12,426	11,751	11,768	11,364	69,559	64,730	7.5
Consumer goods.....	201,714	197,181	193,822	2.3	1.7	-1.7	209,021	200,310	194,044	179,333	1,170,867	1,014,389	15.4
Consumer durable goods.....	35,184	35,040	34,512	0.4	1.5	-10.1	37,065	34,128	34,772	35,520	219,682	170,800	28.6
Consumer nondurable goods.....	166,530	162,141	159,310	2.7	1.8	0.4	171,956	166,182	159,272	143,813	951,185	843,589	12.8
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	505,974	498,587	487,409	1.5	2.3	-0.1	534,541	496,138	488,426	431,556	2,946,754	2,489,322	18.4
Construction materials and supplies.....	57,731	58,024	58,184	-0.5	-0.3	0.1	63,380	60,880	60,841	53,289	344,801	285,484	20.8
Information technology.....	25,852	25,579	25,377	1.1	0.8	1.4	28,196	24,051	23,721	24,672	149,218	132,996	12.2
Computers and related products.....	2,003	2,015	2,042	-0.6	-1.3	4.8	2,320	1,840	1,784	2,109	11,372	9,934	14.5
Motor vehicle and parts.....	49,806	49,965	49,017	-0.3	1.9	-8.1	52,275	48,956	49,538	49,607	312,732	245,848	27.2
Capital goods.....	99,400	96,740	90,507	2.7	6.9	0.9	108,290	87,740	86,862	63,892	555,427	396,482	40.1
Nondefense capital goods <sup>3</sup> .....	89,079	86,253	81,405	3.3	6.0	5.1	95,926	79,529	77,136	52,270	483,590	324,229	49.2
Excluding aircraft.....	76,283	75,742	75,315	0.7	0.6	2.7	81,675	73,721	74,434	69,080	447,865	383,687	16.7
Defense capital goods <sup>4</sup> .....	10,321	10,487	9,102	-1.6	15.2	-25.8	12,364	8,211	9,726	11,622	71,837	72,253	-0.6
Consumer goods.....	201,876	197,420	194,053	2.3	1.7	-1.7	208,993	200,552	194,218	179,370	1,172,180	1,014,824	15.5
Consumer durable goods.....	35,346	35,279	34,743	0.2	1.5	-10.1	37,037	34,370	34,946	35,557	220,995	171,235	29.1
Consumer nondurable goods.....	166,530	162,141	159,310	2.7	1.8	0.4	171,956	166,182	159,272	143,813	951,185	843,589	12.8
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	1,223,141	1,211,622	1,199,881	1.0	1.0	0.4	1,226,530	1,216,761	1,211,811	1,212,539	(X)	(X)	1.2
Construction materials and supplies.....	72,623	70,869	68,419	2.5	3.6	4.2	74,224	72,536	69,442	56,847	(X)	(X)	30.6
Information technology.....	120,976	119,998	119,277	0.8	0.6	0.4	121,932	120,926	120,541	116,875	(X)	(X)	4.3
Computers and related products.....	1,502	1,508	1,536	-0.4	-1.8	-1.1	1,502	1,508	1,536	1,473	(X)	(X)	2.0
Motor vehicle and parts.....	27,009	26,543	26,192	1.8	1.3	1.7	26,696	26,855	26,753	23,512	(X)	(X)	13.5
Capital goods.....	931,354	923,016	915,797	0.9	0.8	0.0	933,542	925,327	924,835	947,066	(X)	(X)	-1.4
Nondefense capital goods <sup>3</sup> .....	742,365	732,528	723,985	1.3	1.2	0.5	741,536	733,259	729,227	753,692	(X)	(X)	-1.6
Excluding aircraft.....	228,650	226,084	223,602	1.1	1.1	1.2	230,333	228,646	226,474	212,317	(X)	(X)	8.5
Defense capital goods <sup>4</sup> .....	188,989	190,488	191,812	-0.8	-0.7	-1.6	192,006	192,068	195,608	193,374	(X)	(X)	-0.7
Consumer goods.....	7,657	7,495	7,256	2.2	3.3	3.3	7,526	7,554	7,312	5,613	(X)	(X)	34.1
Consumer durable goods.....	7,657	7,495	7,256	2.2	3.3	3.3	7,526	7,554	7,312	5,613	(X)	(X)	34.1
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	740,685	733,325	725,071	1.0	1.1	0.5	738,979	737,564	728,836	699,679	(X)	(X)	5.6
Construction materials and supplies.....	78,858	77,663	76,536	1.5	1.5	1.1	78,952	78,673	77,885	73,277	(X)	(X)	7.7
Information technology.....	40,803	40,614	40,541	0.5	0.2	0.4	40,876	41,223	40,638	40,006	(X)	(X)	2.2
Computers and related products.....	3,682	3,676	3,720	0.2	-1.2	0.9	3,730	3,756	3,612	3,498	(X)	(X)	6.6
Motor vehicle and parts.....	47,257	46,404	45,736	1.8	1.5	3.7	46,606	46,730	45,904	40,238	(X)	(X)	15.8
Capital goods.....	220,391	218,878	217,488	0.7	0.6	0.0	220,856	220,629	217,820	216,907	(X)	(X)	1.8
Nondefense capital goods <sup>3</sup> .....	199,764	198,048	196,617	0.9	0.7	0.0	200,121	199,653	196,945	196,301	(X)	(X)	1.9
Excluding aircraft.....	133,334	132,562	131,262	0.6	1.0	0.5	134,035	134,171	131,689	129,369	(X)	(X)	3.6
Defense capital goods <sup>4</sup> .....	20,627	20,830	20,871	-1.0	-0.2	0.7	20,735	20,976	20,875	20,606	(X)	(X)	0.6
Consumer goods.....	227,832	224,907	221,517	1.3	1.5	0.6	226,472	224,972	221,645	207,208	(X)	(X)	9.3
Consumer durable goods.....	37,373	36,696	36,157	1.8	1.5	3.2	36,783	36,689	36,105	31,878	(X)	(X)	15.4
Consumer nondurable goods.....	190,459	188,211	185,360	1.2	1.5	0.2	189,689	188,283	185,540	175,330	(X)	(X)	8.2

<sup>x</sup> Not Applicable

<sup>p</sup> Preliminary

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

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

<sup>2</sup> Topical series are regroupings of the separate industry categories.

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

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

<sup>5</sup> Estimates and percent changes exclude semiconductor industry data.

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

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.

**Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group<sup>1</sup>**

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				% Change June 2021/ 2020
	June 2021 <sup>p</sup>	May 2021 <sup>r</sup>	Apr. 2021	May - June	Apr. - May	Mar. - Apr.	June 2021 <sup>p</sup>	May 2021 <sup>r</sup>	Apr. 2021	June 2020	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	258,374	255,458	252,503	1.1	1.2	0.9	259,071	256,205	253,550	240,951	7.5
Durable goods industries.....	159,234	157,456	155,474	1.1	1.3	1.0	159,683	157,782	155,851	149,480	6.8
Wood products.....	5,999	5,963	5,955	0.6	0.1	1.3	5,734	5,656	5,712	5,053	13.5
Nonmetallic mineral products.....	6,089	6,051	5,979	0.6	1.2	0.3	6,128	6,105	6,018	5,964	2.7
Primary metals.....	14,466	14,511	13,951	-0.3	4.0	2.3	14,493	14,339	13,716	13,412	8.1
Fabricated metal products.....	23,070	22,512	21,982	2.5	2.4	1.3	23,204	22,502	21,952	20,221	14.8
Machinery.....	28,906	28,712	28,490	0.7	0.8	0.7	29,211	28,932	28,672	28,099	4.0
Computers and electronic products.....	21,509	21,317	21,192	0.9	0.6	-0.6	21,705	21,595	21,309	21,258	2.1
Electrical equipment, appliances, and components.....	9,296	9,113	8,991	2.0	1.4	-0.1	9,422	9,233	9,142	9,006	4.6
Transportation equipment.....	37,515	36,908	36,651	1.6	0.7	2.0	37,301	36,983	37,085	34,313	8.7
Furniture and related products.....	3,849	3,825	3,777	0.6	1.3	0.9	3,937	3,859	3,776	3,704	6.3
Miscellaneous products.....	8,535	8,544	8,506	-0.1	0.4	0.7	8,548	8,578	8,469	8,450	1.2
Nondurable goods industries.....	99,140	98,002	97,029	1.2	1.0	0.6	99,388	98,423	97,699	91,471	8.7
Food products.....	22,924	22,918	22,474	0.0	2.0	0.5	22,683	22,651	22,078	21,424	5.9
Beverage and tobacco products.....	5,372	5,405	5,373	-0.6	0.6	1.5	5,218	5,416	5,435	5,517	-5.4
Textiles.....	1,208	1,211	1,212	-0.2	-0.1	1.6	1,228	1,229	1,229	1,178	4.2
Textile products.....	1,382	1,379	1,373	0.2	0.4	0.1	1,375	1,376	1,366	1,412	-2.6
Apparel.....	618	607	595	1.8	2.0	-1.3	621	607	591	599	3.7
Leather and allied products.....	298	291	289	2.4	0.7	-1.4	305	297	285	309	-1.3
Paper products.....	7,921	7,871	7,791	0.6	1.0	0.9	7,921	7,847	7,759	7,638	3.7
Printing.....	2,940	2,877	2,859	2.2	0.6	1.9	2,941	2,864	2,872	2,893	1.7
Petroleum and coal products.....	13,106	12,380	12,321	5.9	0.5	-1.3	13,795	13,013	13,053	10,013	37.8
Chemical products.....	31,233	31,218	31,090	0.0	0.4	1.1	31,163	31,311	31,290	29,248	6.5
Plastics and rubber products.....	12,138	11,845	11,652	2.5	1.7	0.7	12,138	11,812	11,741	11,240	8.0
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	219,577	217,101	214,885	1.1	1.0	0.3	218,650	217,716	215,503	211,150	3.6
Durable goods industries.....	167,024	165,067	164,191	1.2	0.5	0.1	166,819	166,189	164,635	161,791	3.1
Wood products.....	2,257	2,226	2,207	1.4	0.9	-0.2	2,240	2,216	2,212	1,764	27.0
Nonmetallic mineral products.....	1,482	1,482	1,479	0.0	0.2	-0.2	1,510	1,526	1,541	1,540	-1.9
Primary metals.....	11,227	10,956	10,936	2.5	0.2	1.3	11,305	11,093	11,098	9,577	18.0
Fabricated metal products.....	14,040	14,013	13,905	0.2	0.8	1.8	14,000	14,196	14,029	13,776	1.6
Machinery.....	21,510	20,876	20,272	3.0	3.0	0.3	21,551	21,120	20,234	19,320	11.5
Computers and electronic products.....	13,381	13,184	13,286	1.5	-0.8	0.3	13,470	13,513	13,711	13,738	-2.0
Electrical equipment, appliances, and components.....	3,951	3,942	3,896	0.2	1.2	-0.4	4,047	4,049	3,975	4,004	1.1
Transportation equipment.....	93,774	93,045	92,956	0.8	0.1	-0.4	93,280	93,095	92,565	93,012	0.3
Furniture and related products.....	1,246	1,230	1,192	1.3	3.2	2.2	1,267	1,236	1,177	1,169	8.4
Miscellaneous products.....	4,156	4,113	4,062	1.0	1.3	0.9	4,149	4,145	4,093	3,891	6.6
Nondurable goods industries.....	52,553	52,034	50,694	1.0	2.6	1.2	51,831	51,527	50,868	49,359	5.0
Food products.....	7,416	7,382	7,356	0.5	0.4	-0.1	6,914	6,885	6,979	7,724	-10.5
Beverage and tobacco products.....	9,301	9,213	9,185	1.0	0.3	1.3	8,963	9,125	9,213	9,451	-5.2
Textiles.....	571	568	562	0.5	1.1	1.3	570	573	567	566	0.7
Textile products.....	406	396	391	2.5	1.3	-0.8	397	388	392	400	-0.8
Apparel.....	241	242	248	-0.4	-2.4	2.5	248	244	247	253	-2.0
Leather and allied products.....	96	95	93	1.1	2.2	3.3	94	96	92	86	9.3
Paper products.....	1,457	1,464	1,467	-0.5	-0.2	1.2	1,478	1,471	1,465	1,396	5.9
Printing.....	1,185	1,182	1,108	0.3	6.7	2.0	1,126	1,114	1,121	1,087	3.6
Petroleum and coal products.....	11,922	11,242	10,473	6.0	7.3	2.7	11,919	11,434	10,968	8,162	46.0
Chemical products.....	16,438	16,712	16,274	-1.6	2.7	1.1	16,636	16,643	16,251	16,971	-2.0
Plastics and rubber products.....	3,520	3,538	3,537	-0.5	0.0	-0.5	3,486	3,554	3,573	3,263	6.8
<b>FINISHED GOODS</b>											
All manufacturing industries.....	262,734	260,766	257,683	0.8	1.2	0.4	261,258	263,643	259,783	247,578	5.5
Durable goods industries.....	124,711	124,222	122,798	0.4	1.2	1.0	123,898	126,276	124,450	118,712	4.4
Wood products.....	5,488	5,348	5,217	2.6	2.5	2.2	5,444	5,432	5,472	4,860	12.0
Nonmetallic mineral products.....	6,866	6,808	6,756	0.9	0.8	-0.7	6,950	7,059	6,937	7,256	-4.2
Primary metals.....	13,481	13,159	12,734	2.4	3.3	2.0	13,334	13,602	13,092	11,362	17.4
Fabricated metal products.....	20,590	20,427	20,180	0.8	1.2	1.3	20,778	20,985	20,710	19,907	4.4
Machinery.....	22,126	22,466	22,469	-1.5	0.0	0.3	22,025	22,719	22,753	23,147	-4.8
Computers and electronic products.....	11,936	12,008	11,956	-0.6	0.4	-0.2	11,772	11,984	11,776	12,256	-3.9
Electrical equipment, appliances, and components.....	7,259	7,350	7,272	-1.2	1.1	-0.3	7,266	7,445	7,388	6,970	4.2
Transportation equipment.....	20,294	20,247	19,837	0.2	2.1	3.4	19,723	20,569	19,849	17,296	14.0
Furniture and related products.....	2,604	2,582	2,607	0.9	-1.0	-0.1	2,696	2,600	2,583	2,725	-1.1
Miscellaneous products.....	14,067	13,827	13,770	1.7	0.4	0.0	13,910	13,881	13,890	12,933	7.6
Nondurable goods industries.....	138,023	136,544	134,885	1.1	1.2	-0.2	137,360	137,367	135,333	128,866	6.6
Food products.....	32,345	32,073	32,132	0.8	-0.2	-0.1	31,520	31,202	31,617	29,656	6.3
Beverage and tobacco products.....	11,931	11,834	11,700	0.8	1.1	0.5	12,041	12,002	11,854	11,259	6.9
Textiles.....	1,294	1,286	1,293	0.6	-0.5	0.5	1,293	1,283	1,288	1,312	-1.4
Textile products.....	2,123	2,104	2,098	0.9	0.3	0.3	2,105	2,088	2,095	2,194	-4.1
Apparel.....	982	970	948	1.2	2.3	1.0	1,003	962	920	1,021	-1.8
Leather and allied products.....	489	512	513	-4.5	-0.2	-0.2	494	525	515	550	-10.2
Paper products.....	6,202	6,201	6,247	0.0	-0.7	0.9	6,232	6,318	6,289	6,358	-2.0
Printing.....	1,777	1,792	1,830	-0.8	-2.1	-0.3	1,790	1,807	1,858	1,959	-8.6
Petroleum and coal products.....	16,924	16,372	14,943	3.4	9.6	-1.4	16,781	16,744	15,075	14,021	19.7
Chemical products.....	51,705	51,178	51,079	1.0	0.2	-0.4	51,863	51,973	51,503	48,527	6.9
Plastics and rubber products.....	12,251	12,222	12,102	0.2	1.0	1.1	12,238	12,463	12,319	12,009	1.9

<sup>p</sup> Preliminary

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

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

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.

**Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group <sup>1</sup>**

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>2</sup>			
	Jun 2021 <sup>3</sup>	May 2021 <sup>1</sup>	Apr 2021	Mar 2021	Jun 2021 <sup>3</sup>	May 2021 <sup>1</sup>	Apr 2021	Mar 2021
All manufacturing industries <sup>3</sup> .....	1.48	1.49	1.49	1.48	(X)	(X)	(X)	(X)
Durable goods industries <sup>3</sup> .....	1.80	1.80	1.79	1.78	6.94	6.96	6.88	7.00
Wood products.....	1.17	1.15	1.17	1.17	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.24	1.24	1.24	1.24	(X)	(X)	(X)	(X)
Primary metals.....	1.70	1.72	1.72	1.75	1.75	1.76	1.74	1.74
Fabricated metal products.....	1.71	1.71	1.68	1.67	3.07	3.04	2.97	2.89
Machinery.....	2.04	2.05	2.05	2.08	3.33	3.29	3.30	3.32
Computers and electronic products <sup>3</sup> .....	1.62	1.61	1.60	1.61	5.28	5.24	5.18	5.18
Electrical equipment, appliances, and components.....	1.65	1.66	1.65	1.66	2.62	2.59	2.54	2.52
Transportation equipment.....	2.12	2.12	2.10	2.02	17.01	17.24	16.72	17.41
Furniture and related products.....	1.28	1.28	1.27	1.26	2.11	2.07	2.01	1.95
Miscellaneous products.....	1.65	1.65	1.65	1.64	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.17	1.18	1.18	1.18	(X)	(X)	(X)	(X)
Food products.....	0.89	0.89	0.89	0.90	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.97	2.01	2.01	1.95	(X)	(X)	(X)	(X)
Textiles.....	1.37	1.37	1.37	1.33	(X)	(X)	(X)	(X)
Textile products.....	2.08	2.07	2.07	2.06	(X)	(X)	(X)	(X)
Apparel.....	2.12	2.11	2.08	2.07	(X)	(X)	(X)	(X)
Leather and allied products.....	2.07	1.92	1.98	2.18	(X)	(X)	(X)	(X)
Paper products.....	0.91	0.91	0.90	0.90	(X)	(X)	(X)	(X)
Printing.....	0.88	0.89	0.87	0.86	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.84	0.87	0.86	0.86	(X)	(X)	(X)	(X)
Chemical products.....	1.54	1.55	1.56	1.57	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.33	1.32	1.32	1.31	(X)	(X)	(X)	(X)

<sup>1</sup> Not Applicable

<sup>2</sup> Preliminary

<sup>3</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>4</sup> Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

<sup>5</sup> Unfilled orders to shipments ratio excludes semiconductor manufacturing.

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.

**Table 8. Revisions to Previously Published Monthly Percent Changes <sup>1</sup>**

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Jun <sup>2</sup> 2021	Jun <sup>3</sup> 2020- May 2021	Jun <sup>2</sup> 2021	Jun <sup>3</sup> 2020- May 2021	Jun <sup>2</sup> 2021	Jun <sup>3</sup> 2020- May 2021	Jun <sup>2</sup> 2021	Jun <sup>3</sup> 2020- May 2021
All manufacturing industries.....	(X)	0.2	(X)	0.4	(X)	0.1	(X)	0.1
Durable goods industries.....	0.0	0.2	0.1	0.6	0.1	0.1	0.0	0.1
Wood products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Primary metals.....	0.1	0.7	0.1	1.0	0.0	0.2	0.1	0.2
Fabricated metal products.....	0.2	0.3	0.3	1.1	0.0	0.3	0.0	0.2
Machinery.....	0.1	0.4	0.4	0.9	0.1	0.2	0.1	0.1
Computers and electronic products.....	0.0	0.3	0.0	0.3	0.0	0.1	0.2	0.1
Electrical equipment, appliances, and components.....	0.0	0.4	0.3	1.0	0.1	0.4	0.2	0.2
Transportation equipment.....	0.0	0.7	-0.1	1.3	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.5	(X)	0.7	(X)	0.5	(X)	0.4
Miscellaneous products.....	(X)	0.4	(X)	0.3	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Beverage and tobacco products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.1
Textile products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.3
Paper products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.6
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Plastics and rubber products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable

NA Not Available

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

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

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

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.