

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

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**Statement Regarding COVID-19 Impact:** The Census Bureau continues to monitor response and data quality and has determined that estimates in this release meet publication standards. For more information, see < [M3 COVID-19 FAQs](#)>.

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

 <b>MANUFACTURED GOODS – NEW ORDERS</b>		
<b>AUGUST 2021</b>	<b>\$515.7 billion</b>	<b>+1.2%°</b>
<b>JULY 2021 (revised)</b>	<b>\$509.5 billion</b>	<b>+0.7%°</b>
<b>Next release: November 3, 2021</b>		
<small>Data adjusted for seasonal variation but not for price changes.                      Statistical significance is not measurable for this survey. The Manufacturers' Shipments, Inventories, and Orders estimates are not based on a probability sample, so the sampling error of these estimates cannot be measured nor can the confidence intervals be computed.                      Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories and Orders, October 4, 2021.</small>		



## Summary

New orders for manufactured goods in August, up fifteen of the last sixteen months, increased \$6.2 billion or 1.2 percent to \$515.7 billion, the U.S. Census Bureau reported today. This followed a 0.7 percent July increase. Shipments, also up fifteen of the last sixteen months, increased \$0.3 billion or 0.1 percent to \$508.3 billion. This followed a 1.5 percent July increase. Unfilled orders, up seven consecutive months, increased \$11.9 billion or 1.0 percent to \$1,239.4 billion. This followed a 0.5 percent July increase. The unfilled orders-to-shipments ratio was 6.86, up from 6.81 in July. Inventories, up fourteen of the last fifteen months, increased \$4.1 billion or 0.6 percent to \$749.3 billion. This followed a 0.6 percent July increase. The inventories-to-shipments ratio was 1.47, unchanged from July.

### 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 August, up fifteen of the last sixteen months, increased \$4.7 billion or 1.8 percent to \$263.6 billion, unchanged from the previously published increase. This followed a 0.5 percent July increase. Transportation equipment, up three of the last four months, led the increase, \$4.1 billion or 5.4 percent to \$80.7 billion. New orders for manufactured nondurable goods increased \$1.5 billion or 0.6 percent to \$252.1 billion.

## **Shipments**

Shipments of manufactured durable goods in August, down following three consecutive monthly increases, decreased \$1.2 billion or 0.5 percent to \$256.1 billion, unchanged from the previously published decrease. This followed a 2.0 percent July increase. Transportation equipment, down following two consecutive monthly increases, drove the decrease, \$2.1 billion or 2.8 percent to \$73.4 billion. Shipments of manufactured nondurable goods, up fifteen of the last sixteen months, increased \$1.5 billion or 0.6 percent to \$252.1 billion. This followed a 0.9 percent July increase. Petroleum and coal products, up fourteen of the last fifteen months, led the increase, \$0.5 billion or 1.1 percent to \$51.0 billion.

## **Unfilled Orders**

Unfilled orders for manufactured durable goods in August, up seven consecutive months, increased \$11.9 billion or 1.0 percent to \$1,239.4 billion, unchanged from the previously published increase. This followed a 0.5 percent July increase. Transportation equipment, up six of the last seven months, led the increase, \$7.3 billion or 0.9 percent to \$820.9 billion.

## **Inventories**

Inventories of manufactured durable goods in August, up seven consecutive months, increased \$3.5 billion or 0.8 percent to \$457.9 billion, unchanged from the previously published increase. This followed a 0.8 percent July increase. Transportation equipment, also up seven consecutive months, led the increase, \$1.3 billion or 0.8 percent to \$153.5 billion. Inventories of manufactured nondurable goods, up twelve of the last thirteen months, increased \$0.7 billion or 0.2 percent to \$291.4 billion. This followed a 0.4 percent July increase. Plastics and rubber products, up eleven of the last twelve months, led the increase, \$0.4 billion or 1.3 percent to \$28.9 billion. By stage of fabrication, August materials and supplies increased 1.3 percent in durable goods and 0.7 percent in nondurable goods. Work in process increased 0.2 percent in durable goods and decreased 1.1 percent in nondurable goods. Finished goods increased 0.7 percent in durable goods and 0.4 percent in nondurable goods.

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The Advance Report on durable goods for September is scheduled for release on October 27, 2021 at 8:30 a.m. EDT and the Full Report on November 3, 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

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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](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html).

### Special Notice - New Advance Estimates Of Total Manufacturing

Beginning with the release of September 2021 data on October 27, 2021, advance estimates of total manufacturing, including M3 durable and nondurable industries, for shipments and inventories, will be available at the same time as the Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders. Monthly advance total manufacturing estimates will be available on a seasonally adjusted basis as well as a not seasonally adjusted basis on the M3 website under the "Advance Report Highlights". For more information, please see: monthly data example [tabletm\\_ex.xlsx](#).

### 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.

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**Table 1. Value of Manufacturers' Shipments 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		% Change 2021/ 2020
	Aug. 2021 <sup>P</sup>	July 2021 <sup>r</sup>	June 2021	July - Aug.	June - July	May - June	Aug. 2021 <sup>P</sup>	July 2021 <sup>r</sup>	June 2021	Aug. 2020	2021 <sup>P</sup>	2020	
All manufacturing industries.....	508,251	507,959	500,673	0.1	1.5	1.9	523,625	494,231	529,191	463,438	3,937,475	3,486,693	12.9
Excluding transportation.....	434,814	432,377	428,100	0.6	1.0	1.8	448,096	428,272	450,997	388,531	3,358,871	2,979,958	12.7
Excluding defense.....	493,965	493,378	486,841	0.1	1.3	1.9	509,780	481,009	514,679	450,774	3,829,731	3,386,036	13.1
With unfilled orders.....	180,588	180,257	177,059	0.2	1.8	1.7	184,548	169,664	191,265	160,371	1,387,173	1,232,087	12.6
Durable goods industries.....	256,106	257,315	252,208	-0.5	2.0	1.6	263,561	242,525	270,707	238,136	1,988,419	1,742,636	14.1
Wood products.....	11,307	11,437	11,732	-1.1	-2.5	-0.2	12,041	11,785	12,892	10,004	91,632	71,556	28.1
Nonmetallic mineral products.....	11,713	11,646	11,637	0.6	0.1	0.8	12,997	12,237	12,867	12,024	92,904	87,359	6.3
Primary metals.....	23,912	23,911	23,234	0.0	2.9	3.7	24,566	23,227	24,172	18,485	180,333	145,747	23.7
Iron and steel mills.....	11,968	11,895	11,666	0.6	2.0	4.5	12,231	11,510	12,013	8,720	90,060	70,647	27.5
Aluminum and nonferrous metals.....	10,558	10,616	10,285	-0.5	3.2	3.5	10,897	10,383	10,706	8,554	79,870	65,046	22.8
Ferrous metal foundries.....	1,386	1,400	1,283	-1.0	9.1	-1.0	1,438	1,334	1,453	1,211	10,403	10,054	3.5
Fabricated metal products.....	34,999	34,709	33,823	0.8	2.6	1.3	36,911	33,777	35,942	30,962	268,945	235,341	14.3
Machinery.....	36,611	36,150	35,698	1.3	1.3	1.4	36,742	34,704	38,875	31,501	280,884	246,547	13.9
Farm machinery.....	2,547	2,600	2,697	-2.0	-3.6	3.5	2,341	2,506	2,701	2,737	22,351	20,122	11.1
Construction machinery.....	3,386	3,220	3,173	5.2	1.5	1.8	3,379	3,180	3,487	2,626	25,689	21,036	22.1
Mining, oil field, and gas field machinery.....	1,334	1,369	1,398	-2.6	-2.1	6.9	1,297	1,287	1,461	1,163	10,314	10,681	-3.4
Industrial machinery.....	5,044	4,990	4,734	1.1	5.4	4.0	5,076	4,749	5,463	3,023	33,439	23,723	41.0
Photographic equipment.....	514	510	495	0.8	3.0	-7.0	488	522	546	484	4,045	3,878	4.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,206	4,082	4,011	3.0	1.8	-1.6	4,574	4,424	4,975	4,206	33,513	30,262	10.7
Metalworking machinery.....	2,845	2,830	2,783	0.5	1.7	-1.5	2,862	2,583	2,951	2,471	21,677	19,198	12.9
Turbines, generators, and other power transmission equipment.....	4,008	3,937	3,912	1.8	0.6	0.2	4,106	3,768	4,049	3,674	31,334	28,027	11.8
Material handling equipment.....	2,944	2,971	2,981	-0.9	-0.3	0.2	3,035	2,760	3,097	2,572	22,773	20,471	11.2
Computers and electronic products <sup>2</sup> .....	28,982	28,905	28,863	0.3	0.1	-0.1	29,082	26,987	30,921	27,989	223,003	208,374	7.0
Computers.....	744	738	730	0.8	1.1	-0.4	781	693	824	775	5,653	5,485	3.1
Computer storage devices.....	728	732	760	-0.5	-3.7	-0.7	636	566	971	473	5,369	4,041	32.9
Other peripheral equipment.....	526	538	508	-2.2	5.9	-6.8	528	544	548	565	4,158	3,925	5.9
Nondefense communications equipment.....	3,241	3,218	3,214	0.7	0.1	0.8	2,912	2,726	3,925	2,850	24,225	21,927	10.5
Defense communications equipment.....	231	237	237	-2.5	0.0	3.9	242	225	246	231	1,770	1,701	4.1
Audio and video equipment.....	216	224	203	-3.6	10.3	-12.9	205	194	184	227	1,537	1,586	-3.1
Electronic components.....	4,554	4,578	4,487	-0.5	2.0	0.0	4,909	4,567	4,854	4,777	36,348	34,296	6.0
Nondefense search and navigation equipment.....	1,525	1,538	1,524	-0.8	0.9	1.7	1,542	1,344	1,649	1,469	11,885	11,604	2.4
Defense search and navigation equipment.....	3,059	3,061	3,027	-0.1	1.1	0.4	2,994	2,804	3,128	2,910	23,508	22,872	2.8
Electromedical, measuring, and control instruments.....	9,589	9,464	9,541	1.3	-0.8	-0.3	9,436	8,714	10,213	9,048	73,609	68,412	7.6
Electrical equipment, appliances, and components.....	12,580	12,632	12,438	-0.4	1.6	1.3	13,142	12,289	13,465	11,188	97,499	85,611	13.9
Electric lighting equipment.....	1,138	1,131	1,169	0.6	-3.3	0.3	1,194	1,094	1,216	1,177	9,105	8,953	1.7
Household appliances.....	2,602	2,607	2,601	-0.2	0.2	1.2	2,704	2,414	2,714	2,284	20,267	15,939	27.2
Electrical equipment.....	3,328	3,369	3,295	-1.2	2.2	1.7	3,466	3,268	3,788	3,136	26,232	26,430	-0.7
Batteries.....	918	899	905	2.1	-0.7	0.3	1,000	814	938	850	6,829	5,857	16.6
Transportation equipment.....	73,437	75,582	72,573	-2.8	4.1	2.5	75,529	65,959	78,194	74,907	578,604	506,735	14.2
Automobiles.....	5,338	5,857	5,266	-5.4	11.2	-2.4	5,864	4,735	5,642	7,767	44,684	46,695	-4.3
Light trucks and utility vehicles.....	16,742	18,110	16,502	-7.6	9.7	4.8	18,296	15,547	16,715	19,898	136,253	99,233	37.3
Heavy duty trucks.....	2,642	2,577	2,672	2.5	-3.6	-4.8	2,663	2,482	2,930	2,501	21,679	17,838	21.5
Motor vehicle bodies, parts, and trailers.....	26,534	26,424	25,825	0.4	2.3	0.6	28,062	23,546	27,140	26,510	209,455	188,861	10.9
Nondefense aircraft and parts.....	7,789	8,043	8,558	-3.2	-6.0	13.8	6,705	6,703	11,120	5,588	58,630	54,006	8.6
Defense aircraft and parts.....	4,553	4,533	4,303	0.4	5.3	-2.7	4,518	4,172	4,726	4,613	34,874	36,159	-3.6
Ships and boats.....	3,301	3,413	3,201	-3.3	6.6	0.3	3,284	3,053	3,427	2,755	24,874	21,642	14.9
Furniture and related products.....	5,986	5,956	5,997	0.5	-0.7	0.7	6,396	6,084	6,163	6,323	47,599	47,541	0.1
Miscellaneous durable goods.....	16,579	16,387	16,213	1.2	1.1	1.2	16,155	15,476	17,216	14,753	127,016	107,825	17.8
Nondurable goods industries.....	252,145	250,644	248,465	0.6	0.9	2.2	260,064	251,706	258,484	225,302	1,949,056	1,744,057	11.8
Food products.....	70,232	70,209	70,067	0.0	0.2	0.4	71,534	68,513	70,086	67,538	548,918	526,452	4.3
Grain and oilseed milling.....	7,812	7,949	7,784	-1.7	2.1	1.2	8,135	7,781	7,792	7,286	60,991	55,494	9.9
Dairy products.....	10,817	10,770	10,886	0.4	-1.1	-1.2	10,976	10,746	10,891	10,700	85,608	82,157	4.2
Meat, poultry, and seafood products...	19,833	19,728	19,614	0.5	0.6	0.4	20,266	19,763	20,418	18,366	154,978	148,836	4.1
Beverage and tobacco products.....	13,965	13,505	13,522	3.4	-0.1	2.5	14,524	13,783	14,245	13,336	106,433	100,119	6.3
Beverages.....	9,697	9,640	9,525	0.6	1.2	0.8	10,256	9,918	10,248	9,392	76,027	71,296	6.6
Tobacco.....	4,268	3,865	3,997	10.4	-3.3	6.7	4,268	3,865	3,997	3,944	30,406	28,823	5.5
Textile mills.....	2,266	2,325	2,255	-2.5	3.1	1.0	2,416	2,335	2,412	2,223	18,393	16,628	10.6
Textile products.....	1,874	1,866	1,874	0.4	-0.4	-0.2	1,943	1,895	1,987	1,829	15,057	13,965	7.8
Apparel.....	853	854	861	-0.1	-0.8	0.0	936	863	832	844	6,584	6,198	6.2
Leather and allied products.....	444	437	427	1.6	2.3	-8.6	469	446	451	392	3,485	2,761	26.2
Paper products.....	17,331	17,285	17,244	0.3	0.2	0.7	18,145	17,236	17,823	16,534	136,828	127,384	7.4
Pulp, paper, and paperboard mills.....	6,539	6,569	6,593	-0.5	-0.4	0.4	6,904	6,662	6,670	6,634	51,962	50,652	2.6
Paperboard containers.....	5,965	5,937	5,906	0.5	0.5	1.3	6,333	5,918	6,206	5,925	47,347	44,656	6.0
Printing.....	6,711	6,734	6,700	-0.3	0.5	1.6	6,873	6,452	6,654	6,419	52,342	50,643	3.4
Petroleum and coal products.....	51,028	50,484	49,718	1.1	1.5	8.1	53,894	54,662	53,171	36,404	378,217	268,484	40.9
Petroleum refineries.....	46,849	46,353	45,591	1.1	1.7	8.7	49,132	50,131	48,519	31,912	345,241	237,486	45.4
Chemical products.....	66,023	65,603	64,744	0.6	1.3	1.3	67,041	64,123	68,338	59,289	513,818	471,303	9.0
Pesticides, fertilizers, and other agricultural chemicals.....	2,791	2,736	2,681	2.0	2.1	-0.1	2,406	2,205	2,974	2,112	23,050	21,220	8.6
Pharmaceuticals and medicines.....	21,178	21,014	20,677	0.8	1.6	0.4	21,772	20,121	22,025	19,649	162,790	151,040	7.8
Paints, coatings, and adhesives.....	3,944	3,850	3,807	2.4	1.1	3.3	4,190	3,986	4,221	3,725	31,682	28,001	13.1
Plastics and rubber products.....	21,418	21,342	21,053	0.4	1.4	0.4	22,289	21,398	22,485	20,494	168,981	160,120	5.5

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

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Full Report, October 4, 2021. Information on data sources and methodology can be found on our website at &lt;www.census.gov/manufacturing/m3/how\_the\_data\_are\_collected/index.html&gt;.

**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		
	Aug. 2021 <sup>p</sup>	July 2021 <sup>r</sup>	June 2021	July - Aug.	June - July	May - June	Aug. 2021 <sup>p</sup>	July 2021 <sup>r</sup>	June 2021	Aug. 2020	2021 <sup>p</sup>	2020	% Change 2021/2020
All manufacturing industries <sup>2</sup> .....	515,721	509,490	506,128	1.2	0.7	1.5	525,114	492,093	534,906	444,914	3,964,326	3,359,707	18.0
Excluding transportation <sup>2</sup> .....	434,974	432,854	429,199	0.5	0.9	1.5	444,420	426,989	450,938	382,266	3,371,556	2,952,998	14.2
Excluding defense <sup>2</sup> .....	502,842	495,431	494,436	1.5	0.2	1.6	515,015	481,349	520,892	433,524	3,862,543	3,255,399	18.7
With unfilled orders <sup>2</sup> .....	192,482	186,219	186,999	3.4	-0.4	0.6	190,787	172,002	201,217	146,364	1,447,852	1,136,549	27.4
Durable goods industries <sup>2</sup> .....	263,576	258,846	257,663	1.8	0.5	0.8	265,050	240,387	276,422	219,612	2,015,270	1,615,650	24.7
Primary metals.....	24,118	24,442	24,033	-1.3	1.7	0.9	24,008	23,695	24,607	18,497	186,004	145,307	28.0
Iron and steel mills.....	12,083	12,093	12,173	-0.1	-0.7	3.4	11,946	11,837	12,383	8,877	92,697	70,459	31.6
Aluminum and nonferrous metals.....	10,599	10,856	10,429	-2.4	4.1	-1.4	10,585	10,337	10,708	8,401	81,834	64,771	26.3
Ferrous metal foundries.....	1,436	1,493	1,431	-3.8	4.3	-3.2	1,477	1,521	1,516	1,219	11,473	10,077	13.9
Fabricated metal products.....	36,439	35,720	35,446	2.0	0.8	-1.2	37,885	34,362	37,756	30,968	288,235	236,200	22.0
Machinery.....	38,129	38,524	37,393	-1.0	3.0	2.1	37,415	37,137	39,571	30,856	293,691	248,258	18.3
Construction machinery.....	3,632	3,457	3,745	5.1	-7.7	11.3	3,405	3,323	3,663	2,669	28,158	20,668	36.2
Mining, oil field, and gas field machinery.....	1,442	1,601	1,328	-9.9	20.6	-0.5	1,405	1,519	1,391	1,273	10,628	10,372	2.5
Industrial machinery.....	5,244	5,365	4,963	-2.3	8.1	5.4	5,068	5,177	5,492	2,554	34,676	23,425	48.0
Photographic equipment.....	530	477	460	11.1	3.7	-13.0	491	472	454	395	3,937	3,612	9.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,504	4,724	4,013	-4.7	17.7	-5.8	4,706	4,996	4,833	4,173	35,578	31,092	14.4
Metalworking machinery.....	2,914	2,899	3,000	0.5	-3.4	0.9	2,815	2,659	3,188	2,492	22,350	20,024	11.6
Turbines, generators, and other power transmission equipment.....	4,006	4,120	4,030	-2.8	2.2	1.5	4,104	3,951	4,167	3,449	32,309	27,896	15.8
Material handling equipment.....	3,187	3,247	3,209	-1.8	1.2	3.8	3,250	2,962	3,499	2,495	23,861	20,294	17.6
Computers and electronic products <sup>2</sup> .....	25,341	24,950	24,973	1.6	-0.1	0.8	24,125	22,309	27,244	22,607	191,410	177,478	7.8
Computers.....	728	752	724	-3.2	3.9	2.7	765	707	818	761	5,608	5,348	4.9
Nondefense communications equipment.....	3,491	3,447	3,615	1.3	-4.6	7.1	3,053	2,898	4,277	2,846	25,537	22,311	14.5
Defense communications equipment.....	216	218	193	-0.9	13.0	-9.4	227	204	166	213	1,589	1,500	5.9
Electronic components.....	4,831	4,681	4,681	3.2	0.0	-1.2	5,029	4,611	4,857	4,570	37,159	33,876	9.7
Nondefense search and navigation equipment.....	1,686	1,710	1,652	-1.4	3.5	1.5	1,674	1,502	1,821	1,537	13,011	12,598	3.3
Defense search and navigation equipment.....	3,067	2,962	2,897	3.5	2.2	2.7	2,692	2,335	3,261	2,508	22,677	22,628	0.2
Electromedical, measuring, and control instruments.....	9,707	9,540	9,593	1.8	-0.6	-0.2	9,169	8,614	10,199	8,760	73,652	68,588	7.4
Electrical equipment, appliances, and components.....	13,034	12,859	12,981	1.4	-0.9	0.2	13,490	12,120	14,036	11,150	101,666	86,832	17.1
Electric lighting equipment.....	1,148	1,132	1,195	1.4	-5.3	3.5	1,177	1,074	1,313	1,130	9,287	8,851	4.9
Household appliances.....	2,629	2,613	2,625	0.6	-0.5	-0.8	2,698	2,390	2,796	2,330	20,612	16,440	25.4
Electrical equipment.....	3,451	3,331	3,239	3.6	2.8	-0.2	3,607	3,154	3,664	3,092	26,485	26,743	-1.0
Transportation equipment.....	80,747	76,636	76,929	5.4	-0.4	1.4	80,694	65,104	83,968	62,648	592,770	406,709	45.7
Motor vehicle bodies, parts, and trailers.....	26,861	27,020	26,431	-0.6	2.2	1.6	28,528	23,757	27,017	26,785	212,017	188,743	12.3
Nondefense aircraft and parts <sup>3</sup> .....	16,327	9,177	14,417	77.9	-36.3	4.7	15,013	7,919	17,709	-5,860	76,264	-49,903	(NA)
Defense aircraft and parts.....	2,841	3,462	3,592	-17.9	-3.6	12.5	2,532	3,012	3,879	3,715	30,178	35,356	-14.6
Ships and boats.....	3,725	3,510	1,304	6.1	169.2	-51.7	2,073	1,636	2,688	2,343	25,501	25,677	-0.7
Furniture and related products.....	6,212	6,216	6,312	-0.1	-1.5	1.2	6,283	6,133	6,251	6,107	49,843	48,123	3.6
Nondurable goods industries.....	252,145	250,644	248,465	0.6	0.9	2.2	260,064	251,706	258,484	225,302	1,949,056	1,744,057	11.8

<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, August Full Report, October 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](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 August 2021/ 2020
	Aug. 2021 <sup>p</sup>	July 2021 <sup>r</sup>	June 2021	July - Aug.	June - July	May - June	Aug. 2021 <sup>p</sup>	July 2021 <sup>r</sup>	June 2021	Aug. 2020	
All manufacturing industries <sup>2</sup> .....	1,239,418	1,227,524	1,221,562	1.0	0.5	0.8	1,235,290	1,229,051	1,226,713	1,187,328	4.0
Excluding transportation <sup>2</sup> .....	418,568	413,984	409,076	1.1	1.2	1.4	417,238	416,164	412,971	361,678	15.4
Excluding defense <sup>2</sup> .....	1,027,671	1,014,370	1,007,886	1.3	0.6	1.2	1,024,700	1,014,715	1,009,899	967,171	5.9
Durable goods industries <sup>2</sup> .....	1,239,418	1,227,524	1,221,562	1.0	0.5	0.8	1,235,290	1,229,051	1,226,713	1,187,328	4.0
Primary metals.....	41,049	40,843	40,312	0.5	1.3	2.0	40,378	40,936	40,468	31,396	28.6
Iron and steel mills.....	19,162	19,047	18,849	0.6	1.1	2.8	18,887	19,172	18,845	14,248	32.6
Aluminum and nonferrous metals.....	14,924	14,883	14,643	0.3	1.6	1.0	14,496	14,808	14,854	11,440	26.7
Ferrous metal foundries.....	6,963	6,913	6,820	0.7	1.4	2.2	6,995	6,956	6,769	5,708	22.5
Fabricated metal products.....	102,642	101,202	100,191	1.4	1.0	1.6	103,651	102,677	102,092	82,462	25.7
Machinery.....	110,839	109,321	106,947	1.4	2.2	1.6	110,243	109,570	107,137	95,454	15.5
Construction machinery.....	10,340	10,094	9,857	2.4	2.4	6.2	9,804	9,778	9,635	6,201	58.1
Mining, oil field, and gas field machinery.....	4,530	4,422	4,190	2.4	5.5	-1.6	4,530	4,422	4,190	3,855	17.5
Industrial machinery.....	9,746	9,546	9,171	2.1	4.1	2.6	9,649	9,657	9,229	8,846	9.1
Photographic equipment.....	1,921	1,905	1,938	0.8	-1.7	-1.8	1,826	1,823	1,873	2,371	-23.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,899	8,601	7,959	3.5	8.1	0.0	8,888	8,756	8,184	6,834	30.1
Metalworking machinery.....	10,084	10,015	9,946	0.7	0.7	2.2	10,055	10,102	10,026	9,006	11.6
Turbines, generators, and other power transmission equipment.....	22,137	22,139	21,956	0.0	0.8	0.5	22,137	22,139	21,956	21,413	3.4
Material handling equipment.....	13,808	13,565	13,289	1.8	2.1	1.7	13,835	13,620	13,418	12,256	12.9
Computers and electronic products <sup>2</sup> .....	121,006	120,223	119,747	0.7	0.4	0.5	119,974	120,181	120,383	116,062	3.4
Computers.....	1,500	1,516	1,502	-1.1	0.9	-0.4	1,500	1,516	1,502	1,450	3.4
Nondefense communications equipment.....	19,381	19,131	18,902	1.3	1.2	2.2	19,280	19,139	18,967	17,628	9.4
Defense communications equipment.....	355	370	389	-4.1	-4.9	-10.2	333	348	369	469	-29.0
Electronic components.....	14,186	13,909	13,806	2.0	0.7	1.4	13,921	13,801	13,757	12,577	10.7
Nondefense search and navigation equipment.....	25,998	25,837	25,665	0.6	0.7	0.5	25,986	25,854	25,696	24,609	5.6
Defense search and navigation equipment.....	33,197	33,189	33,288	0.0	-0.3	-0.4	32,944	33,246	33,715	33,739	-2.4
Electromedical, measuring, and control instruments.....	26,389	26,271	26,195	0.4	0.3	0.2	26,010	26,277	26,377	25,590	1.6
Electrical equipment, appliances, and components.....	30,723	30,269	30,042	1.5	0.8	1.8	30,771	30,423	30,592	25,870	18.9
Electric lighting equipment.....	1,974	1,964	1,963	0.5	0.1	1.3	1,971	1,988	2,008	1,767	11.5
Household appliances.....	2,869	2,842	2,836	1.0	0.2	0.9	2,842	2,848	2,872	1,985	43.2
Electrical equipment.....	12,294	12,171	12,209	1.0	-0.3	-0.5	12,331	12,190	12,304	12,293	0.3
Transportation equipment.....	820,850	813,540	812,486	0.9	0.1	0.5	818,052	812,887	813,742	825,650	-0.9
Motor vehicle bodies, parts, and trailers.....	28,072	27,745	27,149	1.2	2.2	2.3	27,409	26,943	26,732	23,430	17.0
Nondefense aircraft and parts.....	597,580	589,042	587,908	1.4	0.2	1.0	596,394	588,086	586,870	597,583	-0.2
Defense aircraft and parts.....	79,368	81,080	82,151	-2.1	-1.3	-0.9	79,285	81,271	82,431	87,609	-9.5
Ships and boats.....	49,058	48,634	48,537	0.9	0.2	-3.8	48,348	49,559	50,976	48,818	-1.0
Furniture and related products.....	11,659	11,433	11,173	2.0	2.3	2.9	11,571	11,684	11,635	9,775	18.4

<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, August Full Report, October 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](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 August 2021/ 2020
	Aug. 2021 <sup>p</sup>	July 2021 <sup>r</sup>	June 2021	July - Aug.	June - July	May - June	Aug. 2021 <sup>p</sup>	July 2021 <sup>r</sup>	June 2021	Aug. 2020	
All manufacturing industries.....	749,299	745,171	740,661	0.6	0.6	1.0	753,275	749,252	739,279	702,387	7.2
Excluding transportation.....	595,833	592,982	589,177	0.5	0.6	1.0	598,244	596,063	588,970	554,917	7.8
Excluding defense.....	724,538	720,573	716,301	0.6	0.6	1.1	728,414	724,613	714,830	678,085	7.4
With unfilled orders.....	368,847	366,619	364,076	0.6	0.7	1.0	371,991	369,799	364,422	350,178	6.2
Durable goods industries.....	457,911	454,441	450,967	0.8	0.8	0.9	461,605	457,692	450,572	430,407	7.2
Wood products.....	13,814	13,824	13,748	-0.1	0.6	1.6	13,592	13,554	13,425	11,919	14.0
Nonmetallic mineral products.....	14,719	14,563	14,450	1.1	0.8	0.8	14,645	14,591	14,593	14,281	2.5
Primary metals.....	40,475	40,014	39,292	1.2	1.8	1.7	40,674	40,328	39,180	34,026	19.5
Iron and steel mills.....	22,959	22,607	22,070	1.6	2.4	2.9	23,154	22,870	21,998	19,171	20.8
Aluminum and nonferrous metals.....	15,162	15,050	14,871	0.7	1.2	0.0	15,183	15,100	14,827	12,634	20.2
Ferrous metal foundries.....	2,354	2,357	2,351	-0.1	0.3	1.6	2,337	2,358	2,355	2,221	5.2
Fabricated metal products.....	59,081	58,407	57,716	1.2	1.2	1.3	59,220	59,199	58,051	52,524	12.7
Machinery.....	73,802	73,098	72,468	1.0	0.9	0.6	74,578	73,216	72,849	69,869	6.7
Farm machinery.....	4,427	4,273	3,908	3.6	9.3	-2.5	4,319	4,180	3,802	3,439	25.6
Construction machinery.....	6,197	6,167	6,130	0.5	0.6	0.1	6,227	6,168	6,165	5,734	8.6
Mining, oil field, and gas field machinery.....	6,093	6,061	6,178	0.5	-1.9	-0.7	6,165	6,057	6,325	6,279	-1.8
Industrial machinery.....	9,143	8,969	9,001	1.9	-0.4	-0.6	9,348	8,781	9,297	8,734	7.0
Photographic equipment.....	1,306	1,289	1,286	1.3	0.2	-0.1	1,345	1,303	1,266	1,302	3.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,584	5,537	5,521	0.8	0.3	2.0	5,520	5,480	5,544	5,156	7.1
Metalworking machinery.....	5,852	5,882	5,846	-0.5	0.6	0.8	5,950	5,977	5,813	5,766	3.2
Turbines, generators, and other power transmission equipment.....	9,634	9,594	9,507	0.4	0.9	1.9	9,769	9,811	9,577	9,209	6.1
Material handling equipment.....	5,765	5,707	5,591	1.0	2.1	1.6	5,941	5,805	5,646	5,375	10.5
Computers and electronic products <sup>2</sup> .....	46,892	46,872	46,838	0.0	0.1	0.7	47,454	47,444	46,937	47,173	0.6
Computers.....	2,073	2,031	2,020	2.1	0.5	2.0	2,185	2,104	2,100	1,943	12.5
Computer storage devices.....	851	831	823	2.4	1.0	-5.5	905	882	806	779	16.2
Other peripheral equipment.....	789	797	827	-1.0	-3.6	0.4	799	796	824	854	-6.4
Nondefense communications equipment.....	4,406	4,506	4,493	-2.2	0.3	1.4	4,587	4,533	4,467	4,605	-0.4
Defense communications equipment.....	654	660	656	-0.9	0.6	-0.6	654	660	656	646	1.2
Audio and video equipment.....	654	654	663	0.0	-1.4	-1.8	660	641	666	713	-7.4
Electronic components.....	8,205	8,209	8,259	0.0	-0.6	1.6	7,942	8,362	8,354	8,299	-4.3
Nondefense search and navigation equipment.....	3,299	3,282	3,272	0.5	0.3	0.1	3,352	3,323	3,251	3,311	1.2
Defense search and navigation equipment.....	3,016	3,014	3,023	0.1	-0.3	0.2	3,048	3,045	3,025	3,000	1.6
Electromedical, measuring and control instruments.....	16,515	16,471	16,429	0.3	0.3	0.6	16,836	16,702	16,474	16,475	2.2
Electrical equipment, appliances, and components.....	20,850	20,770	20,548	0.4	1.1	0.7	21,121	21,193	20,755	19,965	5.8
Electric lighting equipment.....	2,399	2,369	2,355	1.3	0.6	0.1	2,424	2,404	2,366	2,355	2.9
Household appliances.....	3,060	2,992	2,939	2.3	1.8	2.3	3,141	3,030	2,911	2,658	18.2
Electrical equipment.....	6,316	6,344	6,293	-0.4	0.8	-0.3	6,408	6,517	6,369	6,359	0.8
Batteries.....	1,743	1,735	1,754	0.5	-1.1	0.3	1,821	1,837	1,864	1,820	0.1
Transportation equipment.....	153,466	152,189	151,484	0.8	0.5	0.9	155,031	153,189	150,309	147,470	5.1
Automobiles.....	7,465	6,913	6,596	8.0	4.8	5.4	7,733	7,127	6,492	5,393	43.4
Light trucks and utility vehicles.....	8,070	7,839	7,807	2.9	0.4	-0.3	8,345	7,864	7,571	5,852	42.6
Heavy duty trucks.....	2,716	2,614	2,568	3.9	1.8	2.9	2,748	2,655	2,621	1,986	38.4
Motor vehicle bodies, parts, and trailers.....	30,984	30,732	30,294	0.8	1.4	1.6	31,010	31,051	29,935	27,277	13.7
Nondefense aircraft and parts.....	76,452	76,371	76,756	0.1	-0.5	0.7	77,125	76,520	76,322	80,022	-3.6
Defense aircraft and parts.....	12,462	12,388	12,354	0.6	0.3	0.0	12,506	12,422	12,346	12,293	1.7
Ships and boats.....	3,680	3,632	3,577	1.3	1.5	-2.6	3,711	3,613	3,642	3,329	11.5
Furniture and related products.....	8,034	7,967	7,706	0.8	3.4	0.9	8,153	8,110	7,900	7,382	10.4
Miscellaneous durable goods.....	26,778	26,737	26,717	0.2	0.1	0.9	27,137	26,868	26,573	25,798	5.2
Nondurable goods industries.....	291,388	290,730	289,694	0.2	0.4	1.1	291,670	291,560	288,707	271,980	7.2
Food products.....	62,382	62,315	62,599	0.1	-0.5	0.4	62,493	61,580	61,176	60,746	2.9
Grain and oilseed milling.....	6,902	6,842	6,876	0.9	-0.5	3.0	6,687	6,614	6,620	5,354	24.9
Dairy products.....	9,074	9,052	9,114	0.2	-0.7	-0.2	9,169	9,296	9,349	8,800	4.2
Meat, poultry, and seafood products.....	9,800	9,726	9,734	0.8	-0.1	-0.6	9,903	9,728	9,603	9,631	2.8
Beverage and tobacco products.....	26,645	26,641	26,594	0.0	0.2	0.5	26,019	25,963	26,221	25,933	0.3
Beverages.....	23,022	23,027	22,986	0.0	0.2	0.6	22,642	22,595	22,756	22,353	1.3
Tobacco.....	3,623	3,614	3,608	0.2	0.2	0.0	3,377	3,368	3,465	3,580	-5.7
Textile mills.....	3,131	3,115	3,079	0.5	1.2	0.5	3,153	3,141	3,086	3,017	4.5
Textile products.....	3,968	3,935	3,910	0.8	0.6	0.8	3,974	3,922	3,878	3,976	-0.1
Apparel.....	1,768	1,786	1,830	-1.0	-2.4	0.6	1,862	1,879	1,872	1,914	-2.7
Leather and allied products.....	871	878	885	-0.8	-0.8	-1.4	877	893	892	920	-4.7
Paper products.....	15,765	15,701	15,619	0.4	0.5	0.5	15,909	15,890	15,630	15,358	3.6
Pulp, paper, and paperboard mills.....	4,879	4,866	4,845	0.3	0.4	0.1	4,902	4,916	4,851	5,038	-2.7
Paperboard containers.....	5,652	5,602	5,540	0.9	1.1	1.4	5,703	5,642	5,521	5,390	5.8
Printing.....	5,917	5,905	5,902	0.2	0.1	0.9	5,985	5,887	5,863	6,021	-0.6
Petroleum and coal products.....	42,185	42,319	41,942	-0.3	0.9	4.9	42,419	43,841	42,515	32,689	29.8
Petroleum refineries.....	36,729	36,906	36,685	-0.5	0.6	5.2	36,894	38,301	37,169	27,670	33.3
Chemical products.....	99,839	99,588	99,308	0.3	0.3	0.2	100,195	100,117	99,700	95,170	5.3
Pesticides, fertilizers, and other agricultural chemicals.....	5,184	5,169	5,033	0.3	2.7	-0.2	4,986	4,949	4,743	4,962	0.5
Pharmaceuticals and medicines.....	44,372	44,684	45,034	-0.7	-0.8	-0.7	44,453	45,106	45,882	44,184	0.6
Paints, coatings, and adhesives.....	4,365	4,306	4,204	1.4	2.4	2.9	4,297	4,312	4,224	3,803	13.0
Plastics and rubber products.....	28,917	28,547	28,026	1.3	1.9	1.5	28,784	28,447	27,874	26,236	9.7

<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, August Full Report, October 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](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						% Change <sup>6</sup> 2021/ 2020
	Monthly			Percent Change			Monthly			Year to date			
	Aug. 2021 <sup>p</sup>	July 2021 <sup>f</sup>	June 2021	July - Aug.	June - July	May - June	Aug. 2021 <sup>p</sup>	July 2021 <sup>f</sup>	June 2021	Aug. 2020	2021 <sup>p</sup>	2020	
<b>SHIPMENTS</b>													
All manufacturing industries.....	508,251	507,959	500,673	0.1	1.5	1.9	523,625	494,231	529,191	463,438	3,937,475	3,486,693	12.9
Construction materials and supplies.....	56,726	56,297	56,048	0.8	0.4	0.9	61,209	57,826	61,756	53,616	447,473	392,107	14.1
Information technology.....	25,112	25,032	24,854	0.3	0.7	0.0	24,689	23,165	27,185	22,920	191,938	174,940	9.7
Computers and related products.....	1,998	2,008	1,998	-0.5	0.5	-2.2	1,945	1,803	2,343	1,813	15,180	13,451	12.9
Motor vehicle and parts.....	51,456	52,968	50,265	-2.9	5.4	1.3	54,885	46,310	52,427	56,676	412,071	352,627	16.9
Capital goods.....	91,824	91,830	91,050	0.0	0.9	1.7	90,111	85,292	100,110	79,697	703,776	620,217	13.5
Nondefense capital goods <sup>3</sup> .....	79,472	79,186	79,109	0.4	0.1	1.8	78,192	73,880	87,684	68,961	610,886	534,959	14.2
Excluding aircraft.....	74,956	74,393	73,732	0.8	0.9	0.6	74,677	70,274	80,023	65,965	576,428	506,009	13.9
Defense capital goods <sup>4</sup> .....	12,352	12,644	11,941	-2.3	5.9	1.1	11,919	11,412	12,426	10,736	92,890	85,258	9.0
Consumer goods.....	205,705	206,075	202,460	-0.2	1.8	2.7	212,999	202,916	209,075	189,103	1,586,836	1,383,812	14.7
Consumer durable goods.....	36,666	38,265	35,925	-4.2	6.5	2.5	38,558	33,611	37,078	41,193	291,864	248,613	17.4
Consumer nondurable goods.....	169,039	167,810	166,535	0.7	0.8	2.7	174,441	169,305	171,997	147,910	1,294,972	1,135,199	14.1
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	515,721	509,490	506,128	1.2	0.7	1.5	525,114	492,093	534,906	444,914	3,964,326	3,359,707	18.0
Construction materials and supplies.....	58,558	57,944	57,481	1.1	0.8	-0.9	62,482	58,902	63,444	53,501	466,249	391,357	19.1
Information technology.....	25,928	25,630	25,769	1.2	-0.5	0.7	24,595	22,858	28,166	22,180	196,641	176,155	11.6
Computers and related products.....	1,982	2,022	1,992	-2.0	1.5	-1.1	1,929	1,817	2,337	1,799	15,135	13,314	13.7
Motor vehicle and parts.....	51,783	53,564	50,871	-3.3	5.3	1.8	55,351	46,521	52,304	56,951	414,633	352,509	17.6
Capital goods.....	101,466	94,950	97,981	6.9	-3.1	1.3	96,229	85,828	108,356	67,195	737,550	527,280	39.9
Nondefense capital goods <sup>3</sup> .....	90,061	82,516	87,644	9.1	-5.9	1.6	87,236	76,680	95,992	57,108	647,572	435,780	48.6
Excluding aircraft.....	77,206	76,736	76,530	0.6	0.3	1.0	75,249	71,776	81,741	64,878	594,956	510,985	16.4
Defense capital goods <sup>4</sup> .....	11,405	12,434	10,337	-8.3	20.3	-1.4	8,993	9,148	12,364	10,087	89,978	91,500	-1.7
Consumer goods.....	205,744	206,165	202,629	-0.2	1.7	2.6	213,024	203,103	209,068	189,229	1,588,382	1,384,632	14.7
Consumer durable goods.....	36,705	38,355	36,094	-4.3	6.3	2.3	38,583	33,798	37,071	41,319	293,410	249,433	17.6
Consumer nondurable goods.....	169,039	167,810	166,535	0.7	0.8	2.7	174,441	169,305	171,997	147,910	1,294,972	1,135,199	14.1
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	1,239,418	1,227,524	1,221,562	1.0	0.5	0.8	1,235,290	1,229,051	1,226,713	1,187,328	(X)	(X)	4.0
Construction materials and supplies.....	75,781	73,949	72,302	2.5	2.3	2.0	76,573	75,300	74,224	56,679	(X)	(X)	35.1
Information technology.....	122,327	121,511	120,913	0.7	0.5	0.8	121,506	121,600	121,907	115,681	(X)	(X)	5.0
Computers and related products.....	1,500	1,516	1,502	-1.1	0.9	-0.4	1,500	1,516	1,502	1,450	(X)	(X)	3.4
Motor vehicle and parts.....	28,072	27,745	27,149	1.2	2.2	2.3	27,409	26,943	26,732	23,430	(X)	(X)	17.0
Capital goods.....	942,709	933,067	929,947	1.0	0.3	0.8	940,227	934,109	933,573	924,313	(X)	(X)	1.7
Nondefense capital goods <sup>3</sup> .....	754,982	744,393	741,063	1.4	0.4	1.2	753,411	744,367	741,567	732,220	(X)	(X)	2.9
Excluding aircraft.....	233,475	231,225	228,882	1.0	1.0	1.2	232,438	231,866	230,364	211,058	(X)	(X)	10.1
Defense capital goods <sup>4</sup> .....	187,727	188,674	188,884	-0.5	-0.1	-0.8	186,816	189,742	192,006	192,093	(X)	(X)	-2.7
Consumer goods.....	7,793	7,754	7,664	0.5	1.2	2.3	7,759	7,734	7,547	5,998	(X)	(X)	29.4
Consumer durable goods.....	7,793	7,754	7,664	0.5	1.2	2.3	7,759	7,734	7,547	5,998	(X)	(X)	29.4
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	749,299	745,171	740,661	0.6	0.6	1.0	753,275	749,252	739,279	702,387	(X)	(X)	7.2
Construction materials and supplies.....	80,618	79,768	78,889	1.1	1.1	1.6	80,340	80,042	78,967	71,330	(X)	(X)	12.6
Information technology.....	41,030	41,005	40,837	0.1	0.4	0.5	41,830	41,530	40,908	40,539	(X)	(X)	3.2
Computers and related products.....	3,713	3,659	3,670	1.5	-0.3	-0.2	3,889	3,782	3,730	3,576	(X)	(X)	8.8
Motor vehicle and parts.....	49,235	48,098	47,265	2.4	1.8	1.9	49,836	48,697	46,619	40,508	(X)	(X)	23.0
Capital goods.....	222,298	221,220	220,220	0.5	0.5	0.6	225,048	222,846	220,918	219,351	(X)	(X)	2.6
Nondefense capital goods <sup>3</sup> .....	201,250	200,339	199,582	0.5	0.4	0.8	203,944	201,958	200,183	198,776	(X)	(X)	2.6
Excluding aircraft.....	135,014	134,259	133,240	0.6	0.8	0.5	136,991	135,559	134,097	129,754	(X)	(X)	5.6
Defense capital goods <sup>4</sup> .....	21,048	20,881	20,638	0.8	1.2	-0.9	21,104	20,888	20,735	20,575	(X)	(X)	2.6
Consumer goods.....	228,397	227,860	227,580	0.2	0.1	1.2	229,329	228,782	226,564	210,347	(X)	(X)	9.0
Consumer durable goods.....	38,816	37,926	37,383	2.3	1.5	1.9	39,751	38,166	36,791	32,738	(X)	(X)	21.4
Consumer nondurable goods.....	189,581	189,934	190,197	-0.2	-0.1	1.1	189,578	190,616	189,773	177,609	(X)	(X)	6.7

<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, August Full Report, October 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](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 August 2021/ 2020
	Aug. 2021 <sup>p</sup>	July 2021 <sup>r</sup>	June 2021	July - Aug.	June - July	May - June	Aug. 2021 <sup>p</sup>	July 2021 <sup>r</sup>	June 2021	Aug. 2020	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	265,756	262,861	258,759	1.1	1.6	1.3	266,796	265,334	259,095	239,850	11.2
Durable goods industries.....	164,693	162,529	159,471	1.3	1.9	1.3	165,998	164,249	159,677	148,498	11.8
Wood products.....	5,926	5,938	5,971	-0.2	-0.6	0.1	5,942	5,817	5,731	5,322	11.6
Nonmetallic mineral products.....	6,171	6,115	6,092	0.9	0.4	0.7	6,174	6,136	6,132	5,837	5.8
Primary metals.....	15,001	14,828	14,517	1.2	2.1	0.0	15,116	14,979	14,470	13,355	13.2
Fabricated metal products.....	23,804	23,411	22,995	1.7	1.8	2.1	23,986	23,788	23,151	19,881	20.6
Machinery.....	29,803	29,618	28,943	0.6	2.3	0.8	30,171	29,962	29,244	27,814	8.5
Computers and electronic products.....	21,975	21,654	21,535	1.5	0.6	1.0	22,175	21,960	21,709	21,374	3.7
Electrical equipment, appliances, and components.....	9,600	9,529	9,348	0.7	1.9	2.6	9,721	9,757	9,458	8,952	8.6
Transportation equipment.....	39,797	38,935	37,682	2.2	3.3	2.1	39,881	39,173	37,305	33,726	18.3
Furniture and related products.....	3,966	3,908	3,862	1.5	1.2	1.0	4,009	3,981	3,947	3,580	12.0
Miscellaneous products.....	8,650	8,593	8,526	0.7	0.8	-0.2	8,823	8,696	8,530	8,657	1.9
Nondurable goods industries.....	101,063	100,332	99,288	0.7	1.1	1.3	100,798	101,085	99,418	91,352	10.3
Food products.....	22,856	22,801	22,852	0.2	-0.2	-0.3	22,548	22,679	22,630	21,579	4.5
Beverage and tobacco products.....	5,444	5,422	5,374	0.4	0.9	-0.6	5,186	5,185	5,218	5,287	-1.9
Textiles.....	1,248	1,234	1,211	1.1	1.9	0.0	1,260	1,247	1,226	1,144	10.1
Textile products.....	1,412	1,395	1,384	1.2	0.8	0.4	1,415	1,390	1,376	1,403	0.9
Apparel.....	608	611	618	-0.5	-1.1	1.8	627	629	621	619	1.3
Leather and allied products.....	302	308	300	-1.9	2.7	3.1	309	317	306	306	1.0
Paper products.....	8,093	8,049	7,947	0.5	1.3	1.0	8,152	8,117	7,914	7,630	6.8
Printing.....	2,944	2,923	2,934	0.7	-0.4	2.0	2,970	2,944	2,943	2,893	2.7
Petroleum and coal products.....	13,649	13,644	13,185	0.0	3.5	6.5	13,591	14,206	13,805	9,963	36.4
Chemical products.....	31,698	31,459	31,282	0.8	0.6	0.2	31,878	31,791	31,233	29,304	8.8
Plastics and rubber products.....	12,809	12,486	12,201	2.6	2.3	3.0	12,862	12,580	12,146	11,224	14.6
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	219,102	219,271	219,473	-0.1	-0.1	1.1	220,096	220,494	218,901	212,815	3.4
Durable goods industries.....	167,600	167,198	166,984	0.2	0.1	1.2	169,366	168,219	166,970	163,397	3.7
Wood products.....	2,345	2,324	2,283	0.9	1.8	2.6	2,342	2,288	2,271	2,098	11.6
Nonmetallic mineral products.....	1,523	1,498	1,488	1.7	0.7	0.4	1,510	1,508	1,518	1,472	2.6
Primary metals.....	11,843	11,563	11,311	2.4	2.2	3.2	12,123	11,779	11,384	9,792	23.8
Fabricated metal products.....	14,190	14,095	14,040	0.7	0.4	0.2	14,169	14,260	14,046	13,266	6.8
Machinery.....	21,611	21,273	21,491	1.6	-1.0	2.9	22,152	21,304	21,577	19,364	14.4
Computers and electronic products.....	13,239	13,402	13,372	-1.2	0.2	1.4	13,207	13,508	13,455	13,180	0.2
Electrical equipment, appliances, and components.....	3,977	3,993	3,969	-0.4	0.6	0.7	4,025	4,087	4,059	3,955	1.8
Transportation equipment.....	93,356	93,550	93,647	-0.2	-0.1	0.6	94,218	93,942	93,276	95,121	-0.9
Furniture and related products.....	1,315	1,306	1,246	0.7	4.8	1.3	1,336	1,303	1,257	1,149	16.3
Miscellaneous products.....	4,201	4,194	4,137	0.2	1.4	0.6	4,284	4,240	4,127	4,000	7.1
Nondurable goods industries.....	51,502	52,073	52,489	-1.1	-0.8	0.9	50,730	52,275	51,931	49,418	2.7
Food products.....	7,309	7,343	7,433	-0.5	-1.2	0.7	6,833	6,915	6,969	7,752	-11.9
Beverage and tobacco products.....	9,324	9,356	9,327	-0.3	0.3	1.2	8,941	8,913	8,995	9,307	-3.9
Textiles.....	575	570	571	0.9	-0.2	0.5	580	577	570	558	3.9
Textile products.....	395	397	403	-0.5	-1.5	1.8	395	397	395	404	-2.2
Apparel.....	235	236	240	-0.4	-1.7	-0.8	245	244	248	249	-1.6
Leather and allied products.....	94	90	94	4.4	-4.3	-1.1	95	90	92	85	11.8
Paper products.....	1,463	1,462	1,460	0.1	0.1	-0.3	1,500	1,500	1,478	1,413	6.2
Printing.....	1,159	1,175	1,182	-1.4	-0.6	0.0	1,202	1,169	1,127	1,207	-0.4
Petroleum and coal products.....	11,436	11,769	11,852	-2.8	-0.7	5.4	11,424	12,447	11,922	8,163	39.9
Chemical products.....	15,851	16,126	16,394	-1.7	-1.6	-1.9	15,890	16,490	16,641	16,932	-6.2
Plastics and rubber products.....	3,661	3,549	3,533	3.2	0.5	-0.1	3,625	3,533	3,494	3,348	8.3
<b>FINISHED GOODS</b>											
All manufacturing industries.....	264,441	263,039	262,429	0.5	0.2	0.6	266,383	263,424	261,283	249,722	6.7
Durable goods industries.....	125,618	124,714	124,512	0.7	0.2	0.2	126,241	125,224	123,925	118,512	6.5
Wood products.....	5,543	5,562	5,494	-0.3	1.2	2.7	5,308	5,449	5,423	4,499	18.0
Nonmetallic mineral products.....	7,025	6,950	6,870	1.1	1.2	0.9	6,961	6,947	6,943	6,972	-0.2
Primary metals.....	13,631	13,623	13,464	0.1	1.2	2.3	13,435	13,570	13,326	10,879	23.5
Fabricated metal products.....	21,087	20,901	20,681	0.9	1.1	1.2	21,065	21,151	20,854	19,377	8.7
Machinery.....	22,388	22,207	22,034	0.8	0.8	-1.9	22,255	21,950	22,028	22,691	-1.9
Computers and electronic products.....	11,678	11,816	11,931	-1.2	-1.0	-0.6	12,072	11,976	11,773	12,619	-4.3
Electrical equipment, appliances, and components.....	7,273	7,248	7,231	0.3	0.2	-1.6	7,375	7,349	7,238	7,058	4.5
Transportation equipment.....	20,313	19,704	20,155	3.1	-2.2	-0.5	20,932	20,074	19,728	18,623	12.4
Furniture and related products.....	2,753	2,753	2,598	0.0	6.0	0.6	2,808	2,826	2,696	2,653	5.8
Miscellaneous products.....	13,927	13,950	14,054	-0.2	-0.7	1.6	14,030	13,932	13,916	13,141	6.8
Nondurable goods industries.....	138,823	138,325	137,917	0.4	0.3	1.0	140,142	138,200	137,358	131,210	6.8
Food products.....	32,217	32,171	32,314	0.1	-0.4	0.8	33,112	31,986	31,577	31,415	5.4
Beverage and tobacco products.....	11,877	11,863	11,893	0.1	-0.3	0.5	11,892	11,865	12,008	11,339	4.9
Textiles.....	1,308	1,311	1,297	-0.2	1.1	0.9	1,313	1,317	1,290	1,315	-0.2
Textile products.....	2,161	2,143	2,123	0.8	0.9	0.9	2,164	2,135	2,107	2,169	-0.2
Apparel.....	925	939	972	-1.5	-3.4	0.2	990	1,006	1,003	1,046	-5.4
Leather and allied products.....	475	480	491	-1.0	-2.2	-4.1	473	486	494	529	-10.6
Paper products.....	6,209	6,190	6,212	0.3	-0.4	0.2	6,257	6,273	6,238	6,315	-0.9
Printing.....	1,814	1,807	1,786	0.4	1.2	-0.3	1,813	1,774	1,793	1,921	-5.6
Petroleum and coal products.....	17,100	16,906	16,905	1.1	0.0	3.3	17,404	17,188	16,788	14,563	19.5
Chemical products.....	52,290	52,003	51,632	0.6	0.7	0.9	52,427	51,836	51,826	48,934	7.1
Plastics and rubber products.....	12,447	12,512	12,292	-0.5	1.8	0.6	12,297	12,334	12,234	11,664	5.4

<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, August Full Report, October 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](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>			
	Aug 2021 <sup>p</sup>	Jul 2021 <sup>r</sup>	Jun 2021	May 2021	Aug 2021 <sup>p</sup>	Jul 2021 <sup>r</sup>	Jun 2021	May 2021
All manufacturing industries <sup>3</sup> .....	1.47	1.47	1.48	1.49	(X)	(X)	(X)	(X)
Durable goods industries <sup>3</sup> .....	1.79	1.77	1.79	1.80	6.86	6.81	6.90	6.96
Wood products.....	1.22	1.21	1.17	1.15	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.26	1.25	1.24	1.24	(X)	(X)	(X)	(X)
Primary metals.....	1.69	1.67	1.69	1.72	1.72	1.71	1.74	1.76
Fabricated metal products.....	1.69	1.68	1.71	1.71	3.01	3.00	3.04	3.04
Machinery.....	2.02	2.02	2.03	2.05	3.35	3.35	3.33	3.29
Computers and electronic products <sup>3</sup> .....	1.62	1.62	1.62	1.61	5.27	5.27	5.26	5.24
Electrical equipment, appliances, and components.....	1.66	1.64	1.65	1.66	2.63	2.58	2.60	2.59
Transportation equipment.....	2.09	2.01	2.09	2.12	16.92	16.59	16.88	17.24
Furniture and related products.....	1.34	1.34	1.28	1.28	2.21	2.19	2.12	2.07
Miscellaneous products.....	1.62	1.63	1.65	1.65	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.16	1.16	1.17	1.18	(X)	(X)	(X)	(X)
Food products.....	0.89	0.89	0.89	0.89	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.91	1.97	1.97	2.01	(X)	(X)	(X)	(X)
Textiles.....	1.38	1.34	1.37	1.37	(X)	(X)	(X)	(X)
Textile products.....	2.12	2.11	2.09	2.07	(X)	(X)	(X)	(X)
Apparel.....	2.07	2.09	2.13	2.11	(X)	(X)	(X)	(X)
Leather and allied products.....	1.96	2.01	2.07	1.92	(X)	(X)	(X)	(X)
Paper products.....	0.91	0.91	0.91	0.91	(X)	(X)	(X)	(X)
Printing.....	0.88	0.88	0.88	0.89	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.83	0.84	0.84	0.87	(X)	(X)	(X)	(X)
Chemical products.....	1.51	1.52	1.53	1.55	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.35	1.34	1.33	1.32	(X)	(X)	(X)	(X)

<sup>x</sup> Not Applicable

<sup>p</sup> Preliminary

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

<sup>2</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>3</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, August Full Report, October 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](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	
	Aug <sup>2</sup> 2021	Aug <sup>3</sup> 2020-Jul 2021	Aug <sup>2</sup> 2021	Aug <sup>3</sup> 2020-Jul 2021	Aug <sup>2</sup> 2021	Aug <sup>3</sup> 2020-Jul 2021	Aug <sup>2</sup> 2021	Aug <sup>3</sup> 2020-Jul 2021
	All manufacturing industries.....	(X)	0.2	(X)	0.4	(X)	0.1	(X)
Durable goods industries.....	0.0	0.2	0.0	0.6	0.0	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)	0.2
Primary metals.....	0.1	0.7	0.2	1.1	0.0	0.2	0.0	0.2
Fabricated metal products.....	-0.1	0.2	0.0	1.0	0.0	0.3	0.0	0.1
Machinery.....	0.2	0.3	0.2	0.9	0.0	0.2	0.1	0.1
Computers and electronic products.....	0.0	0.3	0.2	0.3	0.1	0.1	0.0	0.1
Electrical equipment, appliances, and components.....	0.0	0.4	0.1	1.0	0.0	0.4	0.0	0.2
Transportation equipment.....	-0.1	0.7	-0.1	1.4	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.4	(X)	0.8	(X)	0.6	(X)	0.3
Miscellaneous products.....	(X)	0.3	(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)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.1
Textile products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.3
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Plastics and rubber products.....	(X)	0.3	(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/>>.

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