

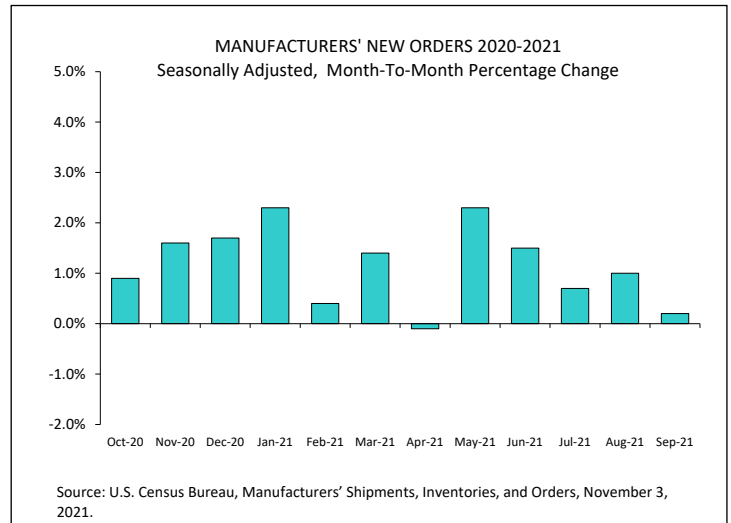
# MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS SEPTEMBER 2021

Release Number: CB 21-165 M3-2 (21)-09

**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](#)>.

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

 <b>MANUFACTURED GOODS – NEW ORDERS</b>		
<b>SEPTEMBER 2021</b>	<b>\$515.9 billion</b>	<b>+0.2%°</b>
<b>AUGUST 2021 (revised)</b>	<b>\$514.6 billion</b>	<b>+1.0%°</b>
<b>Next release: December 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, November 3, 2021.</small>		



## Summary

New orders for manufactured goods in September, up sixteen of the last seventeen months, increased \$1.3 billion or 0.2 percent to \$515.9 billion, the U.S. Census Bureau reported today. This followed a 1.0 percent August increase. Shipments, also up sixteen of the last seventeen months, increased \$3.2 billion or 0.6 percent to \$511.5 billion. This followed a 0.1 percent August increase. Unfilled orders, up eight consecutive months, increased \$8.9 billion or 0.7 percent to \$1,247.3 billion. This followed a 0.9 percent August increase. The unfilled orders-to-shipments ratio was 6.84, down from 6.85 in August. Inventories, up fifteen of the last sixteen months, increased \$6.3 billion or 0.8 percent to \$756.9 billion. This followed a 0.7 percent August increase. The inventories-to-shipments ratio was 1.48, unchanged from August.

### Data Inquiries

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## **New Orders**

New orders for manufactured durable goods in September, down following four consecutive monthly increases, decreased \$0.9 billion or 0.3 percent to \$261.4 billion, up from the previously published 0.4 percent decrease. This followed a 1.3 percent August increase. Transportation equipment, down two of the last three months, drove the decrease, \$1.8 billion or 2.3 percent to \$77.7 billion. New orders for manufactured nondurable goods increased \$2.1 billion or 0.8 percent to \$254.5 billion.

## **Shipments**

Shipments of manufactured durable goods in September, up four of the last five months, increased \$1.1 billion or 0.4 percent to \$257.0 billion, unchanged from the previously published increase. This followed a 0.5 percent August decrease. Machinery, up eleven of the last twelve months, led the increase, \$0.7 billion or 1.8 percent to \$37.3 billion. Shipments of manufactured nondurable goods, up sixteen of the last seventeen months, increased \$2.1 billion or 0.8 percent to \$254.5 billion. This followed a 0.7 percent August increase. Petroleum and coal products, up fifteen of the last sixteen months, led the increase, \$1.1 billion or 2.1 percent to \$52.3 billion.

## **Unfilled Orders**

Unfilled orders for manufactured durable goods in September, up eight consecutive months, increased \$8.9 billion or 0.7 percent to \$1,247.3 billion, unchanged from the previously published increase. This followed a 0.9 percent August increase. Transportation equipment, up seven of the last eight months, led the increase, \$5.2 billion or 0.6 percent to \$825.0 billion.

## **Inventories**

Inventories of manufactured durable goods in September, up eight consecutive months, increased \$4.2 billion or 0.9 percent to \$462.9 billion, unchanged from the previously published increase. This followed a 0.9 percent August increase. Transportation equipment, also up eight consecutive months, led the increase, \$1.0 billion or 0.7 percent to \$154.6 billion. Inventories of manufactured nondurable goods, up thirteen of the last fourteen months, increased \$2.1 billion or 0.7 percent to \$294.0 billion. This followed a 0.4 percent August increase. Petroleum and coal products, up ten of the last eleven months, led the increase, \$0.7 billion or 1.7 percent to \$43.2 billion. By stage of fabrication, September materials and supplies increased 1.5 percent in durable goods and 1.2 percent in nondurable goods. Work in process increased 0.4 percent in durable goods and 0.6 percent in nondurable goods. Finished goods increased 0.8 percent in durable goods and 0.5 percent in nondurable goods.

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The Advance Report on durable goods for October is scheduled for release on November 24, 2021 at 8:30 a.m. EST and the Full Report on December 3, 2021 at 10:00 a.m. EST. 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 September 2021 data released on October 27, 2021, advance estimates of total manufacturing, including M3 durable and nondurable industries, for shipments and inventories, are available at the same time as the Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders. Monthly advance total manufacturing estimates are available on a seasonally adjusted basis as well as a not seasonally adjusted basis on the M3 website under the "Advance Report Highlights".

### 2022 Release Dates for the M3 Survey

Survey month	Advance Report (8:30 a.m. release time)	Full Report (10:00 a.m. release time)
Nov-21	Thu 12/23/2021	Thu 1/6/2022
Dec-21	Thu 1/27/2022	Thu 2/3/2022
Jan-22	Fri 2/25/2022	Thu 3/3/2022
Feb-22	Thu 3/24/2022	Mon 4/4/2022
Mar-22	Tue 4/26/2022	Tue 5/3/2022
Apr-22	Wed 5/25/2022	Thu 6/2/2022
May-22	Mon 6/27/2022	Tue 7/5/2022
Jun-22	Wed 7/27/2022	Wed 8/3/2022
Jul-22	Wed 8/24/2022	Fri 9/2/2022
Aug-22	Tue 9/27/2022	Tue 10/4/2022
Sep-22	Thu 10/27/2022	Thu 11/3/2022
Oct-22	Wed 11/23/2022	Mon 12/5/2022
Nov-22	Fri 12/23/2022	Not available at this time

OMB: [Schedule of Release Dates 2022 \(whitehouse.gov\)](https://www.whitehouse.gov)

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## RESOURCES

### API

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

<[www.census.gov/developers/](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		
	Sep. 2021 <sup>p</sup>	Aug. 2021 <sup>r</sup>	July 2021	Aug. - Sep.	July - Aug.	June - July	Sep. 2021 <sup>p</sup>	Aug. 2021 <sup>r</sup>	July 2021	Sep. 2020	2021 <sup>p</sup>	2020	% Change 2021/2020
All manufacturing industries.....	511,461	508,234	507,959	0.6	0.1	1.5	530,228	523,537	494,231	473,838	4,467,615	3,960,531	12.8
Excluding transportation.....	438,962	434,977	432,377	0.9	0.6	1.0	452,119	447,968	428,272	395,826	3,810,862	3,375,784	12.9
Excluding defense.....	497,375	493,990	493,378	0.7	0.1	1.3	514,630	509,690	481,009	459,910	4,344,271	3,845,946	13.0
With unfilled orders.....	182,444	180,865	180,257	0.9	0.3	1.8	193,352	184,621	169,664	166,752	1,580,598	1,398,839	13.0
Durable goods industries.....	257,002	255,914	257,315	0.4	-0.5	2.0	271,967	263,615	242,525	247,641	2,260,440	1,990,277	13.6
Wood products.....	11,331	11,335	11,437	0.0	-0.9	-2.5	11,841	12,063	11,785	10,148	103,495	81,704	26.7
Nonmetallic mineral products.....	11,755	11,698	11,646	0.5	0.4	0.1	12,609	12,971	12,237	11,964	105,487	99,323	6.2
Primary metals.....	23,958	23,896	23,911	0.3	-0.1	2.9	24,400	24,626	23,227	18,738	204,793	164,485	24.5
Iron and steel mills.....	12,302	12,081	11,895	1.8	1.6	2.0	12,440	12,312	11,510	8,941	102,581	79,588	28.9
Aluminum and nonferrous metals.....	10,324	10,454	10,616	-1.2	-1.5	3.2	10,560	10,876	10,383	8,624	90,409	73,670	22.7
Ferrous metal foundries.....	1,332	1,361	1,400	-2.1	-2.8	9.1	1,400	1,438	1,334	1,173	11,803	11,227	5.1
Fabricated metal products.....	35,647	35,089	34,709	1.6	1.1	2.6	37,027	36,930	33,777	31,122	305,991	266,463	14.8
Machinery.....	37,282	36,625	36,150	1.8	1.3	1.3	38,265	36,697	34,704	32,293	319,104	278,840	14.4
Farm machinery.....	2,970	2,580	2,600	15.1	-0.8	-3.6	2,757	2,341	2,506	2,635	25,108	22,757	10.3
Construction machinery.....	3,339	3,389	3,220	-1.5	5.2	1.5	3,272	3,379	3,180	2,569	28,961	23,605	22.7
Mining, oil field, and gas field machinery.....	1,369	1,336	1,369	2.5	-2.4	-2.1	1,435	1,297	1,287	1,244	11,749	11,925	-1.5
Industrial machinery.....	5,497	5,087	4,990	8.1	1.9	5.4	6,293	5,076	4,749	3,370	39,732	27,093	46.7
Photographic equipment.....	528	516	510	2.3	1.2	3.0	610	488	522	585	4,655	4,463	4.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,168	4,177	4,082	-0.2	2.3	1.8	4,433	4,530	4,424	4,119	37,902	34,381	10.2
Metalworking machinery.....	2,725	2,819	2,830	-3.3	-0.4	1.7	2,863	2,861	2,583	2,689	24,539	21,887	12.1
Turbines, generators, and other power transmission equipment.....	4,089	4,025	3,937	1.6	2.2	0.6	3,943	4,106	3,768	3,511	35,277	31,538	11.9
Material handling equipment.....	2,945	2,942	2,971	0.1	-1.0	-0.3	2,991	3,034	2,760	2,659	25,763	23,130	11.4
Computers and electronic products <sup>2</sup> .....	29,236	28,995	28,905	0.8	0.3	0.1	32,589	29,098	26,987	31,361	255,608	239,735	6.6
Computers.....	699	728	738	-4.0	-1.4	1.1	784	781	693	775	6,437	6,260	2.8
Computer storage devices.....	728	720	732	1.1	-1.6	-3.7	688	636	566	551	6,057	4,592	31.9
Other peripheral equipment.....	546	529	538	3.2	-1.7	5.9	655	511	544	625	4,796	4,550	5.4
Nondefense communications equipment.....	3,250	3,240	3,218	0.3	0.7	0.1	4,076	2,912	2,726	3,988	28,301	25,915	9.2
Defense communications equipment.....	234	231	237	1.3	-2.5	0.0	273	242	225	263	2,043	1,964	4.0
Audio and video equipment.....	241	220	224	9.5	-1.8	10.3	240	205	194	220	1,777	1,806	-1.6
Electronic components.....	4,772	4,622	4,578	3.2	1.0	2.0	5,001	4,925	4,567	4,610	41,365	38,906	6.3
Nondefense search and navigation equipment.....	1,524	1,527	1,538	-0.2	-0.7	0.9	1,708	1,548	1,344	1,622	13,599	13,226	2.8
Defense search and navigation equipment.....	3,017	3,042	3,061	-0.8	-0.6	1.1	3,291	2,994	2,804	3,201	26,799	26,073	2.8
Electromedical, measuring, and control instruments.....	9,587	9,576	9,464	0.1	1.2	-0.8	10,773	9,438	8,714	10,433	84,384	78,845	7.0
Electrical equipment, appliances, and components.....	12,593	12,545	12,632	0.4	-0.7	1.6	13,663	13,109	12,289	11,635	111,129	97,246	14.3
Electric lighting equipment.....	1,160	1,142	1,131	1.6	1.0	-3.3	1,208	1,194	1,094	1,168	10,313	10,121	1.9
Household appliances.....	2,693	2,623	2,607	2.7	0.6	0.2	2,994	2,707	2,414	2,339	23,264	18,278	27.3
Electrical equipment.....	3,296	3,301	3,369	-0.2	-2.0	2.2	3,693	3,440	3,268	3,309	29,899	29,739	0.5
Batteries.....	872	912	899	-4.4	1.4	-0.7	969	1,000	814	906	7,798	6,763	15.3
Transportation equipment.....	72,499	73,257	75,582	-1.0	-3.1	4.1	78,109	75,569	65,959	78,012	656,753	584,747	12.3
Automobiles.....	4,787	5,456	5,857	-12.3	-6.8	11.2	5,019	5,864	4,735	8,233	49,703	54,928	-9.5
Light trucks and utility vehicles.....	15,954	16,446	18,110	-3.0	-9.2	9.7	17,519	18,296	15,547	20,502	153,772	119,735	28.4
Heavy duty trucks.....	2,803	2,677	2,577	4.7	3.9	-3.6	2,986	2,663	2,482	2,817	24,665	20,655	19.4
Motor vehicle bodies, parts, and trailers.....	26,397	26,584	26,424	-0.7	0.6	2.3	27,015	28,104	23,546	26,368	236,512	215,229	9.9
Nondefense aircraft and parts.....	8,507	7,941	8,043	7.1	-1.3	-6.0	10,263	6,709	6,703	6,510	68,897	60,516	13.8
Defense aircraft and parts.....	4,365	4,530	4,533	-3.6	-0.1	5.3	5,010	4,518	4,172	4,802	39,884	40,961	-2.6
Ships and boats.....	3,297	3,295	3,413	0.1	-3.5	6.6	3,306	3,281	3,053	2,828	28,177	24,470	15.1
Furniture and related products.....	6,017	5,989	5,956	0.5	0.6	-0.7	6,063	6,397	6,084	5,960	53,663	53,501	0.3
Miscellaneous durable goods.....	16,684	16,485	16,387	1.2	0.6	1.1	17,401	16,155	15,476	16,408	144,417	124,233	16.2
Nondurable goods industries.....	254,459	252,320	250,644	0.8	0.7	0.9	258,261	259,922	251,706	226,197	2,207,175	1,970,254	12.0
Food products.....	70,582	70,243	70,209	0.5	0.0	0.2	72,121	71,499	68,513	68,176	621,004	594,628	4.4
Grain and oilseed milling.....	7,937	7,832	7,949	1.3	-1.5	2.1	7,802	8,135	7,781	6,975	68,793	62,469	10.1
Dairy products.....	10,799	10,821	10,770	-0.2	0.5	-1.1	10,824	10,982	10,746	10,508	96,438	92,665	4.1
Meat, poultry, and seafood products.....	20,120	19,868	19,728	1.3	0.7	0.6	20,265	20,266	19,763	18,044	175,243	166,880	5.0
Beverage and tobacco products.....	14,102	13,964	13,505	1.0	3.4	-0.1	14,568	14,530	13,783	13,549	121,007	113,668	6.5
Beverages.....	9,681	9,696	9,640	-0.2	0.6	1.2	10,147	10,262	9,918	9,415	86,180	80,711	6.8
Tobacco.....	4,421	4,268	3,865	3.6	10.4	-3.3	4,421	4,268	3,865	4,134	34,827	32,957	5.7
Textile mills.....	2,263	2,266	2,325	-0.1	-2.5	3.1	2,308	2,416	2,335	2,150	20,701	18,778	10.2
Textile products.....	1,885	1,878	1,866	0.4	0.6	-0.4	1,869	1,944	1,895	1,786	16,927	15,751	7.5
Apparel.....	865	856	854	1.1	0.2	-0.8	912	934	863	865	7,494	7,063	6.1
Leather and allied products.....	461	448	437	2.9	2.5	2.3	451	469	446	389	3,936	3,150	25.0
Paper products.....	17,357	17,336	17,285	0.1	0.3	0.2	17,761	18,136	17,236	16,557	154,580	143,941	7.4
Pulp, paper, and paperboard mills.....	6,560	6,541	6,569	0.3	-0.4	-0.4	6,783	6,903	6,662	6,666	58,744	57,318	2.5
Paperboard containers.....	5,961	5,966	5,937	-0.1	0.5	0.5	6,145	6,329	5,918	5,938	53,488	50,594	5.7
Printing.....	6,617	6,685	6,734	-1.0	-0.7	0.5	6,930	6,856	6,452	6,779	59,255	57,422	3.2
Petroleum and coal products.....	52,305	51,236	50,484	2.1	1.5	1.5	51,929	53,884	54,662	34,572	430,136	303,056	41.9
Petroleum refineries.....	48,178	47,090	46,353	2.3	1.6	1.7	47,380	49,132	50,131	30,204	392,621	267,690	46.7
Chemical products.....	66,452	65,965	65,603	0.7	0.6	1.3	67,216	66,968	64,123	60,589	580,961	531,892	9.2
Pesticides, fertilizers, and other agricultural chemicals.....	2,718	2,727	2,736	-0.3	-0.3	2.1	2,504	2,332	2,205	2,302	25,480	23,522	8.3
Pharmaceuticals and medicines.....	21,850	21,313	21,014	2.5	1.4	1.6	22,751	21,773	20,121	20,862	185,542	171,902	7.9
Paints, coatings, and adhesives.....	3,957	3,952	3,850	0.1	2.6	1.1	4,008	4,199	3,986	3,702	35,699	31,703	12.6
Plastics and rubber products.....	21,570	21,443	21,342	0.6	0.5	1.4	22,196	22,286	21,398	20,785	191,174	180,905	5.7

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

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 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 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		
	Sep. 2021 <sup>P</sup>	Aug. 2021 <sup>r</sup>	July 2021	Aug. - Sep.	July - Aug.	June - July	Sep. 2021 <sup>P</sup>	Aug. 2021 <sup>r</sup>	July 2021	Sep. 2020	2021 <sup>P</sup>	2020	% Change 2021/2020
All manufacturing industries <sup>2</sup> .....	515,892	514,637	509,490	0.2	1.0	0.7	529,255	525,042	492,093	462,845	4,493,509	3,822,552	17.6
Excluding transportation <sup>2</sup> .....	438,190	435,102	432,854	0.7	0.5	0.9	449,400	444,307	426,989	392,613	3,820,843	3,345,611	14.2
Excluding defense <sup>2</sup> .....	498,746	501,392	495,431	-0.5	1.2	0.2	510,734	514,939	481,349	450,513	4,373,201	3,705,912	18.0
With unfilled orders <sup>2</sup> .....	191,371	191,683	186,219	-0.2	2.9	-0.4	197,325	190,884	172,002	160,680	1,645,274	1,297,229	26.8
Durable goods industries <sup>2</sup> .....	261,433	262,317	258,846	-0.3	1.3	0.5	270,994	265,120	240,387	236,648	2,286,334	1,852,298	23.4
Primary metals.....	24,149	23,975	24,442	0.7	-1.9	1.7	23,978	24,040	23,695	19,084	210,014	164,391	27.8
Iron and steel mills.....	12,253	12,059	12,093	1.6	-0.3	-0.7	12,055	11,996	11,837	9,251	104,802	79,710	31.5
Aluminum and nonferrous metals.....	10,389	10,476	10,856	-0.8	-3.5	4.1	10,464	10,567	10,337	8,714	92,280	73,485	25.6
Ferrous metal foundries.....	1,507	1,440	1,493	4.7	-3.5	4.3	1,459	1,477	1,521	1,119	12,932	11,196	15.5
Fabricated metal products.....	36,849	36,593	35,720	0.7	2.4	0.8	37,201	37,898	34,362	31,347	325,449	267,547	21.6
Machinery.....	38,637	38,188	38,524	1.2	-0.9	3.0	39,325	37,416	37,137	32,761	333,017	281,019	18.5
Construction machinery.....	3,779	3,680	3,457	2.7	6.5	-7.7	3,823	3,405	3,323	2,772	31,981	23,440	36.4
Mining, oil field, and gas field machinery.....	1,400	1,444	1,601	-3.0	-9.8	20.6	1,466	1,405	1,519	1,370	12,094	11,742	3.0
Industrial machinery.....	5,564	5,192	5,365	7.2	-3.2	8.1	6,187	5,068	5,177	3,267	40,863	26,692	53.1
Photographic equipment.....	591	549	477	7.7	15.1	3.7	773	491	472	598	4,710	4,210	11.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,336	4,487	4,724	-3.4	-5.0	17.7	4,517	4,673	4,996	4,102	40,062	35,194	13.8
Metalworking machinery.....	2,903	2,933	2,899	-1.0	1.2	-3.4	3,073	2,816	2,659	2,800	25,424	22,824	11.4
Turbines, generators, and other power transmission equipment.....	4,123	4,023	4,120	2.5	-2.4	2.2	3,977	4,104	3,951	3,550	36,286	31,446	15.4
Material handling equipment.....	3,127	3,206	3,247	-2.5	-1.3	1.2	3,160	3,265	2,962	2,692	27,036	22,986	17.6
Computers and electronic products <sup>2</sup> .....	25,196	25,255	24,950	-0.2	1.2	-0.1	28,618	24,121	22,309	26,889	220,024	204,367	7.7
Computers.....	679	712	752	-4.6	-5.3	3.9	764	765	707	791	6,372	6,139	3.8
Nondefense communications equipment.....	3,356	3,437	3,447	-2.4	-0.3	-4.6	4,151	3,056	2,898	4,019	29,691	26,330	12.8
Defense communications equipment.....	241	222	218	8.6	1.8	13.0	297	227	204	258	1,886	1,758	7.3
Electronic components.....	4,906	4,875	4,681	0.6	4.1	0.0	5,155	5,033	4,611	4,626	42,318	38,502	9.9
Nondefense search and navigation equipment.....	1,683	1,662	1,710	1.3	-2.8	3.5	1,873	1,677	1,502	1,677	14,887	14,275	4.3
Defense search and navigation equipment.....	3,081	3,063	2,962	0.6	3.4	2.2	3,614	2,692	2,335	3,338	26,291	25,966	1.3
Electromedical, measuring, and control instruments.....	9,593	9,670	9,540	-0.8	1.4	-0.6	11,027	9,171	8,614	10,632	84,681	79,220	6.9
Electrical equipment, appliances, and components.....	12,990	13,064	12,859	-0.6	1.6	-0.9	13,827	13,480	12,120	11,708	115,483	98,540	17.2
Electric lighting equipment.....	1,153	1,152	1,132	0.1	1.8	-5.3	1,201	1,177	1,074	1,178	10,488	10,029	4.6
Household appliances.....	2,708	2,654	2,613	2.0	1.6	-0.5	3,143	2,701	2,390	2,539	23,758	18,979	25.2
Electrical equipment.....	3,288	3,409	3,331	-3.5	2.3	2.8	3,356	3,578	3,154	3,042	29,812	29,785	0.1
Transportation equipment.....	77,702	79,535	76,636	-2.3	3.8	-0.4	79,855	80,735	65,104	70,232	672,666	476,941	41.0
Motor vehicle bodies, parts, and trailers.....	26,418	26,918	27,020	-1.9	-0.4	2.2	27,240	28,569	23,757	26,636	239,298	215,379	11.1
Nondefense aircraft and parts <sup>3</sup> .....	10,844	15,044	9,177	-27.9	63.9	-36.3	9,386	15,017	7,919	180	85,654	-49,723	(NA)
Defense aircraft and parts.....	6,142	3,006	3,462	104.3	-13.2	-3.6	6,617	2,532	3,012	3,017	36,795	38,373	-4.1
Ships and boats.....	3,937	3,770	3,510	4.4	7.4	169.2	2,321	2,070	1,636	2,251	27,819	27,928	-0.4
Furniture and related products.....	6,153	6,232	6,216	-1.3	0.3	-1.5	6,352	6,284	6,133	6,175	56,196	54,298	3.5
Nondurable goods industries.....	254,459	252,320	250,644	0.8	0.7	0.9	258,261	259,922	251,706	226,197	2,207,175	1,970,254	12.0

<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, September Full Report, November 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				% Change September 2021/ 2020
	Monthly			Percent Change			Monthly				
	Sep. 2021 <sup>P</sup>	Aug. 2021 <sup>r</sup>	July 2021	Aug. - Sep.	July - Aug.	June - July	Sep. 2021 <sup>P</sup>	Aug. 2021 <sup>r</sup>	July 2021	Sep. 2020	
All manufacturing industries <sup>2</sup> .....	1,247,269	1,238,342	1,227,524	0.7	0.9	0.5	1,239,287	1,235,314	1,229,051	1,181,256	4.9
Excluding transportation <sup>2</sup> .....	422,248	418,524	413,984	0.9	1.1	1.2	419,488	417,261	416,164	363,386	15.4
Excluding defense <sup>2</sup> .....	1,032,054	1,026,187	1,014,370	0.6	1.2	0.6	1,025,772	1,024,722	1,014,715	962,695	6.6
Durable goods industries <sup>2</sup> .....	1,247,269	1,238,342	1,227,524	0.7	0.9	0.5	1,239,287	1,235,314	1,229,051	1,181,256	4.9
Primary metals.....	41,113	40,922	40,843	0.5	0.2	1.3	39,928	40,350	40,936	31,742	25.8
Iron and steel mills.....	18,976	19,025	19,047	-0.3	-0.1	1.1	18,471	18,856	19,172	14,558	26.9
Aluminum and nonferrous metals.....	14,970	14,905	14,883	0.4	0.1	1.6	14,403	14,499	14,808	11,530	24.9
Ferrous metal foundries.....	7,167	6,992	6,913	2.5	1.1	1.4	7,054	6,995	6,956	5,654	24.8
Fabricated metal products.....	103,908	102,706	101,202	1.2	1.5	1.0	103,819	103,645	102,677	82,687	25.6
Machinery.....	112,239	110,884	109,321	1.2	1.4	2.2	111,349	110,289	109,570	95,922	16.1
Construction machinery.....	10,825	10,385	10,094	4.2	2.9	2.4	10,355	9,804	9,778	6,404	61.7
Mining, oil field, and gas field machinery.....	4,561	4,530	4,422	0.7	2.4	5.5	4,561	4,530	4,422	3,981	14.6
Industrial machinery.....	9,718	9,651	9,546	0.7	1.1	4.1	9,543	9,649	9,657	8,743	9.2
Photographic equipment.....	2,001	1,938	1,905	3.3	1.7	-1.7	1,989	1,826	1,823	2,384	-16.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	9,079	8,911	8,601	1.9	3.6	8.1	8,983	8,899	8,756	6,817	31.8
Metalworking machinery.....	10,307	10,129	10,015	1.8	1.1	0.7	10,267	10,057	10,102	9,117	12.6
Turbines, generators, and other power transmission equipment.....	22,171	22,137	22,139	0.2	0.0	0.8	22,171	22,137	22,139	21,452	3.4
Material handling equipment.....	14,011	13,829	13,565	1.3	1.9	2.1	14,020	13,851	13,620	12,289	14.1
Computers and electronic products <sup>2</sup> .....	121,354	120,898	120,223	0.4	0.6	0.4	120,937	119,962	120,181	116,511	3.8
Computers.....	1,480	1,500	1,516	-1.3	-1.1	0.9	1,480	1,500	1,516	1,466	1.0
Nondefense communications equipment.....	19,434	19,328	19,131	0.5	1.0	1.2	19,358	19,283	19,139	17,659	9.6
Defense communications equipment.....	368	361	370	1.9	-2.4	-4.9	357	333	348	464	-23.1
Electronic components.....	14,296	14,162	13,909	0.9	1.8	0.7	14,063	13,909	13,801	12,593	11.7
Nondefense search and navigation equipment.....	26,131	25,972	25,837	0.6	0.5	0.7	26,148	25,983	25,854	24,664	6.0
Defense search and navigation equipment.....	33,274	33,210	33,189	0.2	0.1	-0.3	33,267	32,944	33,246	33,876	-1.8
Electromedical, measuring, and control instruments.....	26,371	26,365	26,271	0.0	0.4	0.3	26,264	26,010	26,277	25,789	1.8
Electrical equipment, appliances, and components.....	31,185	30,788	30,269	1.3	1.7	0.8	30,958	30,794	30,423	25,943	19.3
Electric lighting equipment.....	1,967	1,974	1,964	-0.4	0.5	0.1	1,964	1,971	1,988	1,777	10.5
Household appliances.....	2,888	2,873	2,842	0.5	1.1	0.2	2,991	2,842	2,848	2,185	36.9
Electrical equipment.....	12,271	12,279	12,171	-0.1	0.9	-0.3	11,991	12,328	12,190	12,026	-0.3
Transportation equipment.....	825,021	819,818	813,540	0.6	0.8	0.1	819,799	818,053	812,887	817,870	0.2
Motor vehicle bodies, parts, and trailers.....	28,100	28,079	27,745	0.1	1.2	2.2	27,633	27,408	26,943	23,698	16.6
Nondefense aircraft and parts.....	598,482	596,145	589,042	0.4	1.2	0.2	595,517	596,394	588,086	591,253	0.7
Defense aircraft and parts.....	81,333	79,556	81,080	2.2	-1.9	-1.3	80,892	79,285	81,271	85,824	-5.7
Ships and boats.....	49,749	49,109	48,634	1.3	1.0	0.2	47,363	48,348	49,559	48,241	-1.8
Furniture and related products.....	11,812	11,676	11,433	1.2	2.1	2.3	11,860	11,571	11,684	9,990	18.7

<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> 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/>>.

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**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 September 2021/ 2020
	Sep. 2021 <sup>p</sup>	Aug. 2021 <sup>r</sup>	July 2021	Aug. - Sep.	July - Aug.	June - July	Sep. 2021 <sup>p</sup>	Aug. 2021 <sup>r</sup>	July 2021	Sep. 2020	
All manufacturing industries.....	756,898	750,633	745,171	0.8	0.7	0.6	756,676	753,575	749,252	698,708	8.3
Excluding transportation.....	602,308	597,082	592,982	0.9	0.7	0.6	601,244	598,547	596,063	550,901	9.1
Excluding defense.....	732,040	725,851	720,573	0.9	0.7	0.6	731,848	728,699	724,613	674,348	8.5
With unfilled orders.....	372,761	369,522	366,619	0.9	0.8	0.7	372,823	372,260	369,799	348,705	6.9
Durable goods industries.....	462,861	458,707	454,441	0.9	0.9	0.8	462,709	461,870	457,692	428,074	8.1
Wood products.....	13,719	13,773	13,824	-0.4	-0.4	0.6	13,433	13,592	13,554	11,994	12.0
Nonmetallic mineral products.....	14,875	14,734	14,563	1.0	1.2	0.8	14,668	14,643	14,591	14,129	3.8
Primary metals.....	40,934	40,568	40,014	0.9	1.4	1.8	40,756	40,776	40,328	33,840	20.4
Iron and steel mills.....	23,247	23,032	22,607	0.9	1.9	2.4	23,218	23,250	22,870	18,925	22.7
Aluminum and nonferrous metals.....	15,282	15,176	15,050	0.7	0.8	1.2	15,199	15,189	15,100	12,743	19.3
Ferrous metal foundries.....	2,405	2,360	2,357	1.9	0.1	0.3	2,339	2,337	2,358	2,172	7.7
Fabricated metal products.....	60,024	59,192	58,407	1.4	1.3	1.2	59,784	59,282	59,199	52,130	14.7
Machinery.....	75,014	74,052	73,098	1.3	1.3	0.9	75,358	74,595	73,216	69,512	8.4
Farm machinery.....	4,544	4,460	4,273	1.9	4.4	9.3	4,381	4,319	4,180	3,425	27.9
Construction machinery.....	6,374	6,225	6,167	2.4	0.9	0.6	6,439	6,227	6,168	5,711	12.7
Mining, oil field, and gas field machinery.....	6,118	6,108	6,061	0.2	0.8	-1.9	6,154	6,165	6,057	6,184	-0.5
Industrial machinery.....	9,262	9,155	8,969	1.2	2.1	-0.4	9,623	9,348	8,781	8,905	8.1
Photographic equipment.....	1,291	1,303	1,289	-0.9	1.1	0.2	1,283	1,345	1,303	1,257	2.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,850	5,648	5,537	3.6	2.0	0.3	5,640	5,536	5,480	5,098	10.6
Metalworking machinery.....	5,914	5,870	5,882	0.7	-0.2	0.6	5,969	5,963	5,977	5,653	5.6
Turbines, generators, and other power transmission equipment.....	9,802	9,669	9,594	1.4	0.8	0.9	9,749	9,769	9,811	8,994	8.4
Material handling equipment.....	5,882	5,787	5,707	1.6	1.4	2.1	6,065	5,945	5,805	5,430	11.7
Computers and electronic products <sup>2</sup> .....	47,411	47,037	46,872	0.8	0.4	0.1	47,206	47,514	47,444	46,287	2.0
Computers.....	2,098	2,075	2,031	1.1	2.2	0.5	2,216	2,183	2,104	1,899	16.7
Computer storage devices.....	867	864	831	0.3	4.0	1.0	890	905	882	783	13.7
Other peripheral equipment.....	816	794	797	2.8	-0.4	-3.6	797	800	796	824	-3.3
Nondefense communications equipment.....	4,487	4,419	4,506	1.5	-1.9	0.3	4,438	4,591	4,533	4,459	-0.5
Defense communications equipment.....	653	654	660	-0.2	-0.9	0.6	653	654	660	652	0.2
Audio and video equipment.....	686	661	654	3.8	1.1	-1.4	720	660	641	731	-1.5
Electronic components.....	8,308	8,260	8,209	0.6	0.6	-0.6	8,076	7,996	8,362	8,227	-1.8
Nondefense search and navigation equipment.....	3,340	3,306	3,282	1.0	0.7	0.3	3,356	3,352	3,323	3,273	2.5
Defense search and navigation equipment.....	3,020	3,017	3,014	0.1	0.1	-0.3	2,943	3,048	3,045	2,902	1.4
Electromedical, measuring and control instruments.....	16,676	16,547	16,471	0.8	0.5	0.3	16,621	16,836	16,702	16,078	3.4
Electrical equipment, appliances, and components.....	21,085	20,899	20,770	0.9	0.6	1.1	20,803	21,152	21,193	19,509	6.6
Electric lighting equipment.....	2,409	2,400	2,369	0.4	1.3	0.6	2,415	2,424	2,404	2,340	3.2
Household appliances.....	3,083	3,063	2,992	0.7	2.4	1.8	3,091	3,148	3,030	2,659	16.2
Electrical equipment.....	6,366	6,325	6,344	0.6	-0.3	0.8	6,010	6,420	6,517	5,935	1.3
Batteries.....	1,751	1,748	1,735	0.2	0.7	-1.1	1,819	1,821	1,837	1,791	1.6
Transportation equipment.....	154,590	153,551	152,189	0.7	0.9	0.5	155,432	155,028	153,189	147,807	5.2
Automobiles.....	7,655	7,476	6,913	2.4	8.1	4.8	7,954	7,733	7,127	5,213	52.6
Light trucks and utility vehicles.....	8,275	8,063	7,839	2.6	2.9	0.4	8,351	8,345	7,864	5,543	50.7
Heavy duty trucks.....	2,827	2,735	2,614	3.4	4.6	1.8	2,761	2,748	2,655	1,955	41.2
Motor vehicle bodies, parts, and trailers.....	31,561	31,057	30,732	1.6	1.1	1.4	31,462	31,005	31,051	27,250	15.5
Nondefense aircraft and parts.....	76,305	76,424	76,371	-0.2	0.1	-0.5	76,876	77,130	76,520	80,938	-5.0
Defense aircraft and parts.....	12,549	12,466	12,388	0.7	0.6	0.3	12,535	12,506	12,422	12,261	2.2
Ships and boats.....	3,726	3,681	3,632	1.2	1.3	1.5	3,785	3,712	3,613	3,391	11.6
Furniture and related products.....	8,202	8,081	7,967	1.5	1.4	3.4	8,183	8,163	8,110	7,291	12.2
Miscellaneous durable goods.....	27,007	26,820	26,737	0.7	0.3	0.1	27,086	27,125	26,868	25,575	5.9
Nondurable goods industries.....	294,037	291,926	290,730	0.7	0.4	0.4	293,967	291,705	291,560	270,634	8.6
Food products.....	62,688	62,323	62,315	0.6	0.0	-0.5	63,389	62,408	61,580	61,258	3.5
Grain and oilseed milling.....	6,976	6,912	6,842	0.9	1.0	-0.5	6,811	6,687	6,614	5,456	24.8
Dairy products.....	9,002	9,042	9,052	-0.4	-0.1	-0.7	9,007	9,141	9,296	8,694	3.6
Meat, poultry, and seafood products.....	9,796	9,796	9,726	0.0	0.7	-0.1	9,833	9,903	9,728	9,601	2.4
Beverage and tobacco products.....	26,575	26,603	26,641	-0.1	-0.1	0.2	26,286	26,000	25,963	26,162	0.5
Beverages.....	22,981	22,986	23,027	0.0	-0.2	0.2	22,830	22,623	22,595	22,535	1.3
Tobacco.....	3,594	3,617	3,614	-0.6	0.1	0.2	3,456	3,377	3,368	3,627	-4.7
Textile mills.....	3,177	3,136	3,115	1.3	0.7	1.2	3,187	3,152	3,141	2,987	6.7
Textile products.....	4,014	3,976	3,935	1.0	1.0	0.6	4,044	3,975	3,922	3,980	1.6
Apparel.....	1,793	1,775	1,786	1.0	-0.6	-2.4	1,840	1,862	1,879	1,862	-1.2
Leather and allied products.....	871	873	878	-0.2	-0.6	-0.8	869	878	893	894	-2.8
Paper products.....	15,800	15,765	15,701	0.2	0.4	0.5	15,827	15,904	15,890	15,171	4.3
Pulp, paper, and paperboard mills.....	4,856	4,875	4,866	-0.4	0.2	0.4	4,805	4,904	4,916	4,912	-2.2
Paperboard containers.....	5,710	5,662	5,602	0.8	1.1	1.1	5,736	5,703	5,642	5,327	7.7
Printing.....	6,030	5,969	5,905	1.0	1.1	0.1	6,129	6,025	5,887	5,999	2.2
Petroleum and coal products.....	43,190	42,481	42,319	1.7	0.4	0.9	43,294	42,428	43,841	31,091	39.2
Petroleum refineries.....	37,631	37,007	36,906	1.7	0.3	0.6	37,760	36,900	38,301	26,212	44.1
Chemical products.....	100,773	100,117	99,588	0.7	0.5	0.3	100,045	100,272	100,117	94,847	5.5
Pesticides, fertilizers, and other agricultural chemicals.....	5,291	5,225	5,169	1.3	1.1	2.7	5,003	5,006	4,949	4,917	1.7
Pharmaceuticals and medicines.....	44,502	44,419	44,684	0.2	-0.6	-0.8	44,357	44,447	45,106	44,399	-0.1
Paints, coatings, and adhesives.....	4,413	4,363	4,306	1.1	1.3	2.4	4,326	4,304	4,312	3,774	14.6
Plastics and rubber products.....	29,126	28,908	28,547	0.8	1.3	1.9	29,057	28,801	28,447	26,383	10.1

<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, September Full Report, November 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						% Change <sup>6</sup> 2021/ 2020
	Monthly			Percent Change			Monthly			Year to date			
	Sep. 2021 <sup>P</sup>	Aug. 2021 <sup>r</sup>	July 2021	Aug. - Sep.	July - Aug.	June - July	Sep. 2021 <sup>P</sup>	Aug. 2021 <sup>r</sup>	July 2021	Sep. 2020	2021 <sup>P</sup>	2020	
<b>SHIPMENTS</b>													
All manufacturing industries.....	511,461	508,234	507,959	0.6	0.1	1.5	530,228	523,537	494,231	473,838	4,467,615	3,960,531	12.8
Construction materials and supplies.....	57,371	56,774	56,297	1.1	0.8	0.4	60,218	61,163	57,826	53,276	507,645	445,383	14.0
Information technology.....	25,068	25,041	25,032	0.1	0.0	0.7	28,051	24,671	23,165	26,328	219,971	201,268	9.3
Computers and related products.....	1,973	1,977	2,008	-0.2	-1.5	0.5	2,127	1,928	1,803	1,951	17,290	15,402	12.3
Motor vehicle and parts.....	49,941	51,163	52,968	-2.4	-3.4	5.4	52,539	54,927	46,310	57,920	464,652	410,547	13.2
Capital goods.....	93,251	91,794	91,830	1.6	0.0	0.9	100,348	90,063	85,292	86,848	804,076	707,065	13.7
Nondefense capital goods <sup>3</sup> .....	81,034	79,472	79,186	2.0	0.4	0.1	86,984	78,142	73,880	75,155	697,820	610,114	14.4
Excluding aircraft.....	75,915	74,859	74,393	1.4	0.6	0.9	80,269	74,627	70,274	71,385	656,647	577,394	13.7
Defense capital goods <sup>4</sup> .....	12,217	12,322	12,644	-0.9	-2.5	5.9	13,364	11,921	11,412	11,693	106,256	96,951	9.6
Consumer goods.....	206,718	205,712	206,075	0.5	-0.2	1.8	211,574	212,961	202,916	191,070	1,798,372	1,574,882	14.2
Consumer durable goods.....	35,171	36,290	38,265	-3.1	-5.2	6.5	37,666	38,555	33,611	42,793	329,527	291,406	13.1
Consumer nondurable goods.....	171,547	169,422	167,810	1.3	1.0	0.8	173,908	174,406	169,305	148,277	1,468,845	1,283,476	14.4
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	515,892	514,637	509,490	0.2	1.0	0.7	529,255	525,042	492,093	462,845	4,493,509	3,822,552	17.6
Construction materials and supplies.....	58,716	58,618	57,944	0.2	1.2	0.8	60,675	62,364	58,902	53,310	526,806	444,667	18.5
Information technology.....	25,850	25,866	25,630	-0.1	0.9	-0.5	29,394	24,603	22,858	26,904	226,043	203,059	11.3
Computers and related products.....	1,953	1,961	2,022	-0.4	-3.0	1.5	2,107	1,912	1,817	1,967	17,225	15,281	12.7
Motor vehicle and parts.....	49,962	51,497	53,564	-3.0	-3.9	5.3	52,764	55,392	46,521	58,188	467,438	410,697	13.8
Capital goods.....	99,994	100,301	94,950	-0.3	5.6	-3.1	102,826	96,241	85,828	81,168	840,388	608,448	38.1
Nondefense capital goods <sup>3</sup> .....	84,975	88,619	82,516	-4.1	7.4	-5.9	87,179	87,244	76,680	70,740	734,759	506,520	45.1
Excluding aircraft.....	77,755	77,102	76,736	0.8	0.5	0.3	81,709	75,257	71,776	72,410	676,673	583,395	16.0
Defense capital goods <sup>4</sup> .....	15,019	11,682	12,434	28.6	-6.0	20.3	15,647	8,997	9,148	10,428	105,629	101,928	3.6
Consumer goods.....	206,768	205,769	206,165	0.5	-0.2	1.7	211,870	212,986	203,103	191,324	1,800,214	1,575,956	14.2
Consumer durable goods.....	35,221	36,347	38,355	-3.1	-5.2	6.3	37,962	38,580	33,798	43,047	331,369	292,480	13.3
Consumer nondurable goods.....	171,547	169,422	167,810	1.3	1.0	0.8	173,908	174,406	169,305	148,277	1,468,845	1,283,476	14.4
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	1,247,269	1,238,342	1,227,524	0.7	0.9	0.5	1,239,287	1,235,314	1,229,051	1,181,256	(X)	(X)	4.9
Construction materials and supplies.....	77,138	75,793	73,949	1.8	2.5	2.3	76,958	76,501	75,300	56,713	(X)	(X)	35.7
Information technology.....	123,118	122,336	121,511	0.6	0.7	0.5	122,875	121,532	121,600	116,257	(X)	(X)	5.7
Computers and related products.....	1,480	1,500	1,516	-1.3	-1.1	0.9	1,480	1,500	1,516	1,466	(X)	(X)	1.0
Motor vehicle and parts.....	28,100	28,079	27,745	0.1	1.2	2.2	27,633	27,408	26,943	23,698	(X)	(X)	16.6
Capital goods.....	948,317	941,574	933,067	0.7	0.9	0.3	942,765	940,287	934,109	918,633	(X)	(X)	2.6
Nondefense capital goods <sup>3</sup> .....	757,481	753,540	744,393	0.5	1.2	0.4	753,664	753,469	744,367	727,805	(X)	(X)	3.6
Excluding aircraft.....	235,308	233,468	231,225	0.8	1.0	1.0	233,936	232,496	231,866	212,083	(X)	(X)	10.3
Defense capital goods <sup>4</sup> .....	190,836	188,034	188,674	1.5	-0.3	-0.1	189,101	186,818	189,742	190,828	(X)	(X)	-0.9
Consumer goods.....	7,861	7,811	7,754	0.6	0.7	1.2	8,055	7,759	7,734	6,252	(X)	(X)	28.8
Consumer durable goods.....	7,861	7,811	7,754	0.6	0.7	1.2	8,055	7,759	7,734	6,252	(X)	(X)	28.8
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	756,898	750,633	745,171	0.8	0.7	0.6	756,676	753,575	749,252	698,708	(X)	(X)	8.3
Construction materials and supplies.....	81,854	80,741	79,768	1.4	1.2	1.1	81,081	80,391	80,042	70,981	(X)	(X)	14.2
Information technology.....	41,548	41,142	41,005	1.0	0.3	0.4	41,521	41,851	41,530	39,782	(X)	(X)	4.4
Computers and related products.....	3,781	3,733	3,659	1.3	2.0	-0.3	3,903	3,888	3,782	3,506	(X)	(X)	11.3
Motor vehicle and parts.....	50,318	49,331	48,098	2.0	2.6	1.8	50,528	49,831	48,697	39,961	(X)	(X)	26.4
Capital goods.....	223,973	222,584	221,220	0.6	0.6	0.5	224,668	225,078	222,846	218,471	(X)	(X)	2.8
Nondefense capital goods <sup>3</sup> .....	202,842	201,519	200,339	0.7	0.6	0.4	203,553	203,959	201,958	197,791	(X)	(X)	2.9
Excluding aircraft.....	136,744	135,336	134,259	1.0	0.8	0.8	136,840	137,006	135,559	128,003	(X)	(X)	6.9
Defense capital goods <sup>4</sup> .....	21,131	21,065	20,881	0.3	0.9	1.2	21,115	21,119	20,888	20,680	(X)	(X)	2.1
Consumer goods.....	230,584	228,753	227,860	0.8	0.4	0.1	231,635	229,250	228,782	209,040	(X)	(X)	10.8
Consumer durable goods.....	39,595	38,927	37,926	1.7	2.6	1.5	40,109	39,774	38,166	32,179	(X)	(X)	24.6
Consumer nondurable goods.....	190,989	189,826	189,934	0.6	-0.1	-0.1	191,526	189,476	190,616	176,861	(X)	(X)	8.3

<sup>x</sup> Not Applicable

<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> 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, September Full Report, November 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 September 2021/ 2020
	Sep. 2021 <sup>p</sup>	Aug. 2021 <sup>f</sup>	July 2021	Aug. - Sep.	July - Aug.	June - July	Sep. 2021 <sup>p</sup>	Aug. 2021 <sup>f</sup>	July 2021	Sep. 2020	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	269,911	266,296	262,861	1.4	1.3	1.6	270,130	266,870	265,334	237,969	13.5
Durable goods industries.....	167,450	165,003	162,529	1.5	1.5	1.9	168,340	166,087	164,249	147,444	14.2
Wood products.....	5,924	5,923	5,938	0.0	-0.3	-0.6	5,997	5,943	5,817	5,381	11.4
Nonmetallic mineral products.....	6,187	6,175	6,115	0.2	1.0	0.4	6,179	6,182	6,136	5,785	6.8
Primary metals.....	15,296	15,001	14,828	2.0	1.2	2.1	15,468	15,119	14,979	13,090	18.2
Fabricated metal products.....	24,408	23,872	23,411	2.2	2.0	1.8	24,643	24,016	23,788	19,827	24.3
Machinery.....	30,238	29,886	29,618	1.2	0.9	2.3	30,487	30,186	29,962	27,578	10.5
Computers and electronic products.....	22,264	22,148	21,654	0.5	2.3	0.6	22,292	22,309	21,960	21,110	5.6
Electrical equipment, appliances, and components.....	9,648	9,507	9,529	1.5	-0.2	1.9	9,529	9,617	9,757	8,749	8.9
Transportation equipment.....	40,512	39,837	38,935	1.7	2.3	3.3	40,803	39,877	39,173	33,834	20.6
Furniture and related products.....	4,037	3,989	3,908	1.2	2.1	1.2	4,012	4,017	3,981	3,548	13.1
Miscellaneous products.....	8,936	8,665	8,593	3.1	0.8	0.8	8,930	8,821	8,696	8,542	4.5
Nondurable goods industries.....	102,461	101,293	100,332	1.2	1.0	1.1	101,790	100,783	101,085	90,525	12.4
Food products.....	23,028	22,788	22,801	1.1	-0.1	-0.2	22,834	22,448	22,679	21,600	5.7
Beverage and tobacco products.....	5,422	5,447	5,422	-0.5	0.5	0.9	5,301	5,194	5,185	5,371	-1.3
Textiles.....	1,280	1,254	1,234	2.1	1.6	1.9	1,277	1,262	1,247	1,128	13.2
Textile products.....	1,419	1,410	1,395	0.6	1.1	0.8	1,432	1,412	1,390	1,409	1.6
Apparel.....	610	607	611	0.5	-0.7	-1.1	617	627	629	609	1.3
Leather and allied products.....	309	304	308	1.6	-1.3	2.7	312	310	317	299	4.3
Paper products.....	8,132	8,091	8,049	0.5	0.5	1.3	8,184	8,146	8,117	7,624	7.3
Printing.....	3,076	2,991	2,923	2.8	2.3	-0.4	3,106	3,008	2,944	2,878	7.9
Petroleum and coal products.....	13,815	13,736	13,644	0.6	0.7	3.5	13,614	13,602	14,206	9,121	49.3
Chemical products.....	32,595	31,894	31,459	2.2	1.4	0.6	32,242	31,900	31,791	29,356	9.8
Plastics and rubber products.....	12,775	12,771	12,486	0.0	2.3	2.3	12,871	12,874	12,580	11,130	15.6
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	220,357	219,382	219,271	0.4	0.1	-0.1	220,385	220,242	220,494	213,575	3.2
Durable goods industries.....	168,459	167,769	167,198	0.4	0.3	0.1	169,054	169,490	168,219	164,506	2.8
Wood products.....	2,313	2,352	2,324	-1.7	1.2	1.8	2,279	2,339	2,288	2,088	9.1
Nonmetallic mineral products.....	1,515	1,513	1,498	0.1	1.0	0.7	1,485	1,501	1,508	1,466	1.3
Primary metals.....	11,805	11,847	11,563	-0.4	2.5	2.2	11,850	12,151	11,779	9,787	21.1
Fabricated metal products.....	14,282	14,221	14,095	0.4	0.9	0.4	14,236	14,233	14,260	13,177	8.0
Machinery.....	22,220	21,675	21,273	2.5	1.9	-1.0	22,570	22,145	21,304	19,468	15.9
Computers and electronic products.....	13,386	13,285	13,402	0.8	-0.9	0.2	13,057	13,213	13,508	12,958	0.8
Electrical equipment, appliances, and components.....	4,015	4,005	3,993	0.2	0.3	0.6	3,947	4,058	4,087	3,846	2.6
Transportation equipment.....	93,345	93,332	93,550	0.0	-0.2	-0.1	93,987	94,222	93,942	96,553	-2.7
Furniture and related products.....	1,345	1,325	1,306	1.5	1.5	4.8	1,374	1,339	1,303	1,197	14.8
Miscellaneous products.....	4,233	4,214	4,194	0.5	0.5	1.4	4,269	4,289	4,240	3,966	7.6
Nondurable goods industries.....	51,898	51,613	52,073	0.6	-0.9	-0.8	51,331	50,752	52,275	49,069	4.6
Food products.....	7,203	7,285	7,343	-1.1	-0.8	-1.2	6,830	6,839	6,915	7,760	-12.0
Beverage and tobacco products.....	9,276	9,309	9,356	-0.4	-0.5	0.3	9,182	8,930	8,913	9,565	-4.0
Textiles.....	576	574	570	0.3	0.7	-0.2	583	579	577	562	3.7
Textile products.....	398	397	397	0.3	0.0	-1.5	407	396	397	409	-0.5
Apparel.....	243	238	236	2.1	0.8	-1.7	248	247	244	244	1.6
Leather and allied products.....	89	94	90	-5.3	4.4	-4.3	89	96	90	82	8.5
Paper products.....	1,444	1,461	1,462	-1.2	-0.1	0.1	1,446	1,501	1,500	1,378	4.9
Printing.....	1,192	1,178	1,175	1.2	0.3	-0.6	1,263	1,209	1,169	1,212	4.2
Petroleum and coal products.....	12,030	11,570	11,769	4.0	-1.7	-0.7	11,985	11,423	12,447	7,628	57.1
Chemical products.....	15,841	15,860	16,126	-0.1	-1.6	-1.6	15,670	15,905	16,490	16,741	-6.4
Plastics and rubber products.....	3,606	3,647	3,549	-1.1	2.8	0.5	3,628	3,627	3,533	3,488	4.0
<b>FINISHED GOODS</b>											
All manufacturing industries.....	266,630	264,955	263,039	0.6	0.7	0.2	266,161	266,463	263,424	247,164	7.7
Durable goods industries.....	126,952	125,935	124,714	0.8	1.0	0.2	125,315	126,293	125,224	116,124	7.9
Wood products.....	5,482	5,498	5,562	-0.3	-1.2	1.2	5,157	5,310	5,449	4,525	14.0
Nonmetallic mineral products.....	7,173	7,046	6,950	1.8	1.4	1.2	7,004	6,960	6,947	6,878	1.8
Primary metals.....	13,833	13,720	13,623	0.8	0.7	1.2	13,438	13,506	13,570	10,963	22.6
Fabricated metal products.....	21,334	21,099	20,901	1.1	0.9	1.1	20,905	21,033	21,151	19,126	9.3
Machinery.....	22,556	22,491	22,207	0.3	1.3	0.8	22,301	22,264	21,950	22,466	-0.7
Computers and electronic products.....	11,761	11,604	11,816	1.4	-1.8	-1.0	11,857	11,992	11,976	12,219	-3.0
Electrical equipment, appliances, and components.....	7,422	7,387	7,248	0.5	1.9	0.2	7,327	7,477	7,349	6,914	6.0
Transportation equipment.....	20,733	20,382	19,704	1.7	3.4	-2.2	20,642	20,929	20,074	17,420	18.5
Furniture and related products.....	2,820	2,767	2,753	1.9	0.5	6.0	2,797	2,807	2,826	2,546	9.9
Miscellaneous products.....	13,838	13,941	13,950	-0.7	-0.1	-0.7	13,887	14,015	13,932	13,067	6.3
Nondurable goods industries.....	139,678	139,020	138,325	0.5	0.5	0.3	140,846	140,170	138,200	131,040	7.5
Food products.....	32,457	32,250	32,171	0.6	0.2	-0.4	33,725	33,121	31,986	31,898	5.7
Beverage and tobacco products.....	11,877	11,847	11,863	0.3	-0.1	-0.3	11,803	11,876	11,865	11,226	5.1
Textiles.....	1,321	1,308	1,311	1.0	-0.2	1.1	1,327	1,311	1,317	1,297	2.3
Textile products.....	2,197	2,169	2,143	1.3	1.2	0.9	2,205	2,167	2,135	2,162	2.0
Apparel.....	940	930	939	1.1	-1.0	-3.4	975	988	1,006	1,009	-3.4
Leather and allied products.....	473	475	480	-0.4	-1.0	-2.2	468	472	486	513	-8.8
Paper products.....	6,224	6,213	6,190	0.2	0.4	-0.4	6,197	6,257	6,273	6,169	0.5
Printing.....	1,762	1,800	1,807	-2.1	-0.4	1.2	1,760	1,808	1,774	1,909	-7.8
Petroleum and coal products.....	17,345	17,175	16,906	1.0	1.6	0.0	17,695	17,403	17,188	14,342	23.4
Chemical products.....	52,337	52,363	52,003	0.0	0.7	0.7	52,133	52,467	51,836	48,750	6.9
Plastics and rubber products.....	12,745	12,490	12,512	2.0	-0.2	1.8	12,558	12,300	12,334	11,765	6.7

<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.

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, September Full Report, November 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>			
	Sep 2021 <sup>p</sup>	Aug 2021 <sup>r</sup>	Jul 2021	Jun 2021	Sep 2021 <sup>p</sup>	Aug 2021 <sup>r</sup>	Jul 2021	Jun 2021
All manufacturing industries <sup>3</sup> .....	1.48	1.48	1.47	1.48	(X)	(X)	(X)	(X)
Durable goods industries <sup>3</sup> .....	1.80	1.79	1.77	1.79	6.84	6.85	6.81	6.90
Wood products.....	1.21	1.22	1.21	1.17	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.27	1.26	1.25	1.24	(X)	(X)	(X)	(X)
Primary metals.....	1.71	1.70	1.67	1.69	1.72	1.71	1.71	1.74
Fabricated metal products.....	1.68	1.69	1.68	1.71	2.99	3.01	3.00	3.04
Machinery.....	2.01	2.02	2.02	2.03	3.36	3.35	3.35	3.33
Computers and electronic products <sup>3</sup> .....	1.62	1.62	1.62	1.62	5.26	5.26	5.27	5.26
Electrical equipment, appliances, and components.....	1.67	1.67	1.64	1.65	2.66	2.65	2.58	2.60
Transportation equipment.....	2.13	2.10	2.01	2.09	16.85	16.84	16.59	16.88
Furniture and related products.....	1.36	1.35	1.34	1.28	2.23	2.21	2.19	2.12
Miscellaneous products.....	1.62	1.63	1.63	1.65	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.16	1.16	1.16	1.17	(X)	(X)	(X)	(X)
Food products.....	0.89	0.89	0.89	0.89	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.88	1.91	1.97	1.97	(X)	(X)	(X)	(X)
Textiles.....	1.40	1.38	1.34	1.37	(X)	(X)	(X)	(X)
Textile products.....	2.13	2.12	2.11	2.09	(X)	(X)	(X)	(X)
Apparel.....	2.07	2.07	2.09	2.13	(X)	(X)	(X)	(X)
Leather and allied products.....	1.89	1.95	2.01	2.07	(X)	(X)	(X)	(X)
Paper products.....	0.91	0.91	0.91	0.91	(X)	(X)	(X)	(X)
Printing.....	0.91	0.89	0.88	0.88	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.83	0.83	0.84	0.84	(X)	(X)	(X)	(X)
Chemical products.....	1.52	1.52	1.52	1.53	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.35	1.35	1.34	1.33	(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, September Full Report, November 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	
	Sep <sup>2</sup> 2021	Sep <sup>3</sup> 2020-Aug 2021	Sep <sup>2</sup> 2021	Sep <sup>3</sup> 2020-Aug 2021	Sep <sup>2</sup> 2021	Sep <sup>3</sup> 2020-Aug 2021	Sep <sup>2</sup> 2021	Sep <sup>3</sup> 2020-Aug 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	0.0	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.....	0.0	0.7	0.1	1.1	0.2	0.3	0.0	0.2
Fabricated metal products.....	0.0	0.3	0.0	1.0	0.0	0.3	0.1	0.1
Machinery.....	0.1	0.3	0.1	0.8	0.0	0.2	0.0	0.1
Computers and electronic products.....	0.0	0.3	0.1	0.3	0.0	0.1	0.0	0.1
Electrical equipment, appliances, and components.....	-0.1	0.4	-0.1	0.9	0.0	0.4	0.1	0.2
Transportation equipment.....	0.0	0.8	0.0	1.4	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.4	(X)	0.8	(X)	0.5	(X)	0.3
Miscellaneous products.....	(X)	0.4	(X)	0.4	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
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)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.3
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.3	(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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