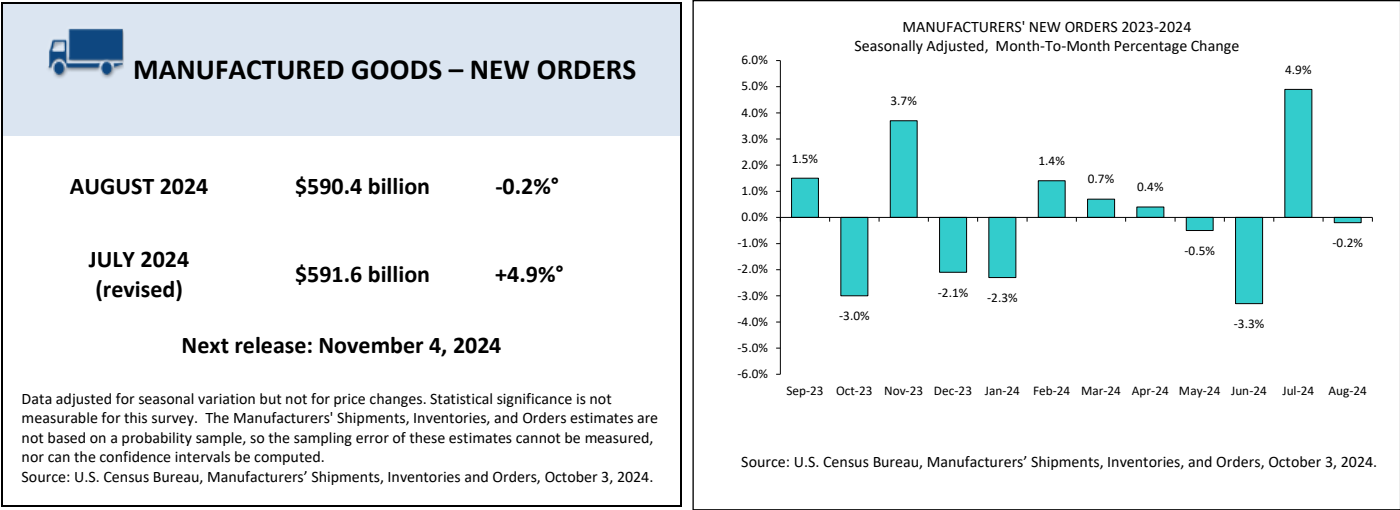


MONTHLY FULL REPORT ON MANUFACTURERS’ SHIPMENTS, INVENTORIES AND ORDERS  
AUGUST 2024

Release Number: CB 24-155 M3-2 (24)-08

**October 3, 2024** — The U.S. Census Bureau announces the August full report on manufacturers’ shipments, inventories and orders:



Summary

New orders for manufactured goods in August, down three of the last four months, decreased \$1.3 billion or 0.2 percent to \$590.4 billion, the U.S. Census Bureau reported today. This followed a 4.9 percent July increase. Shipments, down following two consecutive monthly increases, decreased \$3.1 billion or 0.5 percent to \$590.1 billion. This followed a 0.8 percent July increase. Unfilled orders, up forty-eight of the last forty-nine months, increased \$5.0 billion or 0.4 percent to \$1,391.4 billion. This followed a 0.2 percent July increase. The unfilled orders-to-shipments ratio was 6.87, up from 6.76 in July. Inventories, up six of the last seven months, increased \$1.2 billion or 0.1 percent to \$860.2 billion. This followed a virtually unchanged July increase. The inventories-to-shipments ratio was 1.46, up from 1.45 in July.

New Orders

New orders for manufactured durable goods in August, up six of the last seven months, increased \$0.1 billion or virtually unchanged to \$289.6 billion, unchanged from the previously published increase. This followed a 9.8 percent July increase. Electrical equipment, appliances, and components, up two of the last three months, drove the increase, \$0.3 billion or 2.4 percent to \$14.5 billion. New orders for manufactured nondurable goods decreased \$1.4 billion or 0.5 percent to \$300.8 billion.

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## Shipments

Shipments of manufactured durable goods in August, down following two consecutive monthly increases, decreased \$1.7 billion or 0.6 percent to \$289.3 billion, down from the previously published 0.5 percent decrease. This followed a 1.0 percent July increase. Transportation equipment, also down following two consecutive monthly increases, drove the decrease, \$2.0 billion or 2.0 percent to \$97.0 billion. Shipments of manufactured nondurable goods, down following two consecutive monthly increases, decreased \$1.4 billion or 0.5 percent to \$300.8 billion. This followed a 0.6 percent July increase. Petroleum and coal products, down three of the last four months, drove the decrease, \$1.4 billion or 2.3 percent to \$62.8 billion.

## Unfilled Orders

Unfilled orders for manufactured durable goods in August, up forty-eight of the last forty-nine months, increased \$5.0 billion or 0.4 percent to \$1,391.4 billion, unchanged from the previously published increase. This followed a 0.2 percent July increase. Transportation equipment, up forty-three of the last forty-four months, led the increase, \$4.2 billion or 0.5 percent to \$896.5 billion.

## Inventories

Inventories of manufactured durable goods in August, up four of the last five months, increased \$0.4 billion or 0.1 percent to \$529.7 billion, unchanged from the previously published increase. This followed a virtually unchanged July increase. Transportation equipment, up twelve of the last thirteen months, led the increase, \$0.2 billion or 0.1 percent to \$172.3 billion. Inventories of manufactured nondurable goods, up following two consecutive monthly decreases, increased \$0.8 billion or 0.2 percent to \$330.5 billion. This followed a virtually unchanged July decrease. Petroleum and coal products, also up following two consecutive monthly decreases, led the increase, \$0.4 billion or 0.8 percent to \$47.9 billion. By stage of fabrication, August materials and supplies increased 0.3 percent in durable goods and 0.5 percent in nondurable goods. Work in process increased 0.1 percent in durable goods and decreased 0.7 percent in nondurable goods. Finished goods decreased 0.1 percent in durable goods and increased 0.4 percent in nondurable goods.

The Advance Report on durable goods for September is scheduled for release on October 25, 2024, at 8:30 a.m. EDT and the Full Report on November 4, 2024, at 10:00 a.m. EST. View the full schedule in the Economic Briefing Room: <[www.census.gov/economic-indicators/](https://www.census.gov/economic-indicators/)>. The full text and tables of this release can be found at <[www.census.gov/m3](https://www.census.gov/m3)>.

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## 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.

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254).

### 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:

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

### Special Notice:

As part of the ongoing effort to improve the Advance Total Manufacturing estimates, the October 25, 2024 release of the September 2024 data will include the addition of the Food products and Chemical products early shipments and inventories estimates from the monthly Manufacturers' Shipments, Inventories and Orders Survey. These estimates will be available on both a seasonally adjusted and not seasonally adjusted basis and will be included on the M3 website under the "Latest Monthly Advance report on Manufacturers' Shipments, Inventories and Order", [Monthly Advance Report on Durable Goods Manufacturers' Shipments Inventories and Orders - Press Releases \(census.gov\)](https://www.census.gov/manufacturing/m3/advance-report-on-manufacturers-shipments-inventories-and-orders).

## 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.

<https://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		
	Aug.	July	June	July -	June -	May -	Aug.	July	June	Aug.			% Change
	2024 <sup>p</sup>	2024 <sup>r</sup>	2024	Aug.	July	June	2024 <sup>p</sup>	2024 <sup>r</sup>	2024	2023	2024 <sup>p</sup>	2023	2024/ 2023
All manufacturing industries.....	590,054	593,195	588,438	-0.5	0.8	0.6	609,776	579,032	608,246	611,986	4,689,320	4,608,897	1.7
Excluding transportation.....	493,076	494,225	492,707	-0.2	0.3	-0.1	510,578	494,113	506,849	515,100	3,956,041	3,897,748	1.5
Excluding defense.....	573,095	575,961	571,928	-0.5	0.7	0.7	592,987	563,600	591,185	596,281	4,558,992	4,488,665	1.6
With unfilled orders.....	202,545	205,113	200,041	-1.3	2.5	2.3	207,007	192,959	212,340	204,700	1,582,487	1,552,721	1.9
Durable goods industries.....	289,260	290,970	288,007	-0.6	1.0	1.2	298,653	273,450	302,812	298,361	2,277,947	2,240,372	1.7
Wood products.....	13,132	13,100	13,186	0.2	-0.7	-0.5	13,937	13,476	14,149	14,308	108,285	108,611	-0.3
Nonmetallic mineral products.....	13,199	13,159	13,205	0.3	-0.3	-0.5	14,546	14,073	13,890	14,979	106,610	106,818	-0.2
Primary metals.....	26,252	26,363	26,519	-0.4	-0.6	-0.5	27,401	26,105	27,018	28,123	217,015	218,160	-0.5
Iron and steel mills.....	14,292	14,367	14,458	-0.5	-0.6	1.0	14,826	14,323	14,662	15,383	119,304	120,748	-1.2
Aluminum and nonferrous metals.....	10,351	10,346	10,402	0.0	-0.5	-2.2	10,904	10,174	10,613	11,024	84,083	83,790	0.3
Ferrous metal foundries.....	1,609	1,650	1,659	-2.5	-0.5	-2.6	1,671	1,608	1,743	1,716	13,628	13,622	0.0
Fabricated metal products.....	36,449	36,330	36,268	0.3	0.2	0.0	38,256	35,876	37,363	38,230	293,326	285,573	2.7
Machinery.....	37,940	37,837	38,088	0.3	-0.7	0.3	38,924	36,774	40,439	39,553	306,375	303,087	1.1
Farm machinery.....	2,807	2,463	2,540	14.0	-3.0	-3.4	2,956	2,404	2,683	2,680	22,309	21,092	5.8
Construction machinery.....	4,126	4,204	4,344	-1.9	-3.2	-0.3	4,052	4,083	4,649	4,387	35,530	34,765	2.2
Mining, oil field, and gas field machinery.....	1,607	1,616	1,686	-0.6	-4.2	-0.1	1,562	1,563	1,685	1,724	12,916	13,626	-5.2
Industrial machinery.....	3,678	3,776	3,755	-2.6	0.6	-2.7	3,582	3,593	4,314	3,569	29,781	28,578	4.2
Photographic equipment.....	643	624	649	3.0	-3.9	4.7	639	605	746	630	5,014	5,006	0.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,382	5,526	5,400	-2.6	2.3	2.9	6,025	5,970	6,209	5,818	43,532	39,892	9.1
Metalworking machinery.....	2,744	2,746	2,674	-0.1	2.7	-0.5	2,796	2,540	2,681	2,826	21,505	21,538	-0.2
Turbines, generators, and other power transmission equipment.....	3,654	3,735	3,934	-2.2	-5.1	1.2	3,801	3,610	4,012	4,093	30,689	31,690	-3.2
Material handling equipment.....	3,999	3,984	4,001	0.4	-0.4	1.8	4,162	3,774	3,984	4,502	31,749	32,167	-1.3
Computers and electronic products <sup>2</sup> .....	29,394	29,451	29,392	-0.2	0.2	-0.4	29,370	27,569	31,277	29,529	228,565	226,594	0.9
Computers.....	1,009	1,018	995	-0.9	2.3	-2.3	1,133	967	1,161	953	7,904	6,498	21.6
Computer storage devices.....	418	423	394	-1.2	7.4	-6.0	394	395	505	390	3,274	3,111	5.2
Other peripheral equipment.....	855	824	819	3.8	0.6	-3.0	835	751	929	727	6,256	5,865	6.7
Nondefense communications equipment.....	2,843	2,875	2,868	-1.1	0.2	2.3	2,508	2,536	3,498	2,489	21,610	21,563	0.2
Defense communications equipment....	198	193	195	2.6	-1.0	-2.5	205	183	198	209	1,535	1,582	-3.0
Audio and video equipment.....	476	483	463	-1.4	4.3	0.0	439	435	383	581	3,490	3,507	-0.5
Electronic components.....	4,980	4,901	4,936	1.6	-0.7	-2.0	5,299	4,727	5,144	5,212	39,795	37,749	5.4
Nondefense search and navigation equipment.....	1,671	1,679	1,671	-0.5	0.5	0.2	1,647	1,522	1,771	1,639	13,004	12,713	2.3
Defense search and navigation equipment.....	3,502	3,449	3,409	1.5	1.2	-0.8	3,458	3,164	3,548	3,283	26,641	25,323	5.2
Electromedical, measuring, and control instruments.....	8,616	8,739	8,730	-1.4	0.1	0.3	8,540	8,166	9,483	8,874	67,451	68,524	-1.6
Electrical equipment, appliances, and components.....	14,279	14,217	14,136	0.4	0.6	-0.4	14,940	13,601	15,263	15,006	113,909	112,044	1.7
Electric lighting equipment.....	1,377	1,370	1,368	0.5	0.1	1.8	1,454	1,351	1,429	1,414	10,920	10,300	6.0
Household appliances.....	2,336	2,351	2,384	-0.6	-1.4	2.8	2,458	2,066	2,609	2,522	18,335	18,394	-0.3
Electrical equipment.....	4,557	4,592	4,432	-0.8	3.6	-3.1	4,714	4,356	4,999	4,920	37,242	37,107	0.4
Batteries.....	1,551	1,454	1,476	6.7	-1.5	3.9	1,636	1,371	1,474	1,428	10,984	10,250	7.2
Transportation equipment.....	96,978	98,970	95,731	-2.0	3.4	4.2	99,198	84,919	101,397	96,886	733,279	711,149	3.1
Automobiles.....	8,999	8,963	9,044	0.4	-0.9	-0.7	10,208	7,265	8,844	10,886	72,184	71,307	1.2
Light trucks and utility vehicles.....	21,372	20,938	22,621	2.1	-7.4	-3.5	22,735	17,203	23,100	23,326	170,348	166,055	2.6
Heavy duty trucks .....	2,729	2,970	3,172	-8.1	-6.4	6.5	2,727	2,977	3,287	3,130	24,927	23,418	6.4
Motor vehicle bodies, parts, and trailers.....	28,848	28,907	29,154	-0.2	-0.8	0.5	30,791	26,632	29,207	31,583	235,979	234,564	0.6
Nondefense aircraft and parts.....	19,004	20,965	16,165	-9.4	29.7	41.2	16,652	16,361	20,809	12,435	105,231	94,930	10.9
Defense aircraft and parts.....	4,957	5,028	4,827	-1.4	4.2	-5.8	4,981	4,569	5,099	4,796	39,030	36,960	5.6
Ships and boats.....	3,440	3,347	3,341	2.8	0.2	-0.2	3,472	2,984	3,543	3,634	27,506	29,842	-7.8
Furniture and related products.....	6,851	6,829	6,883	0.3	-0.8	-0.1	7,314	6,988	7,057	7,185	55,037	54,615	0.8
Miscellaneous durable goods.....	14,786	14,714	14,599	0.5	0.8	-0.5	14,767	14,069	14,959	14,562	115,546	113,721	1.6
Nondurable goods industries.....	300,794	302,225	300,431	-0.5	0.6	0.0	311,123	305,582	305,434	313,625	2,411,373	2,368,525	1.8
Food products.....	80,929	81,049	80,657	-0.1	0.5	0.3	82,857	79,367	79,818	81,970	640,107	631,722	1.3
Grain and oilseed milling.....	9,043	9,182	9,189	-1.5	-0.1	-0.3	9,328	9,179	8,851	10,174	74,336	78,992	-5.9
Dairy products.....	12,005	11,957	11,792	0.4	1.4	-0.2	12,201	11,930	11,651	11,684	94,075	92,301	1.9
Meat, poultry, and seafood products...	23,727	23,829	23,777	-0.4	0.2	0.3	24,315	23,532	24,515	24,467	190,979	192,236	-0.7
Beverage and tobacco products.....	19,866	19,991	19,619	-0.6	1.9	1.5	20,461	20,337	20,143	18,536	154,183	138,841	11.1
Beverages.....	11,581	11,519	11,519	0.5	0.0	0.4	12,176	11,865	12,043	11,639	92,004	86,276	6.6
Tobacco.....	8,285	8,472	8,100	-2.2	4.6	3.3	8,285	8,472	8,100	6,897	62,179	52,565	18.3
Textile mills.....	2,058	2,079	2,112	-1.0	-1.6	0.7	2,209	2,113	2,210	2,232	16,907	17,140	-1.4
Textile products.....	1,960	1,959	1,964	0.1	-0.3	1.2	2,049	1,976	2,114	2,083	16,011	16,261	-1.5
Apparel.....	821	818	822	0.4	-0.5	-0.7	876	816	772	906	6,325	6,560	-3.6
Leather and allied products.....	560	546	535	2.6	2.1	1.3	566	538	522	496	4,393	3,909	12.4
Paper products.....	17,501	17,452	17,305	0.3	0.8	0.1	18,218	17,615	17,365	18,119	139,747	139,866	-0.1
Pulp, paper, and paperboard mills.....	6,885	6,877	6,894	0.1	-0.2	-0.2	7,116	7,025	6,859	7,080	55,375	55,776	-0.7
Paperboard containers.....	6,427	6,441	6,314	-0.2	2.0	0.5	6,859	6,522	6,338	6,897	51,267	50,795	0.9
Printing.....	7,519	7,464	7,352	0.7	1.5	0.5	7,684	7,436	7,205	7,452	58,280	57,438	1.5
Petroleum and coal products.....	62,791	64,239	63,942	-2.3	0.5	-1.7	67,179	69,034	66,512	75,637	527,052	536,494	-1.8
Petroleum refineries.....	58,002	59,440	59,052	-2.4	0.7	-1.8	61,745	63,619	61,031	69,931	487,904	498,060	-2.0
Chemical products.....	81,851	81,610	80,984	0.3	0.8	0.8	82,964	81,270	82,895	80,108	645,695	621,685	3.9
Pesticides, fertilizers, and other agricultural chemicals.....	4,703	4,570	4,407	2.9	3.7	3.7	3,838	3,822	4,346	3,269	35,372	32,214	9.8
Pharmaceuticals and medicines.....	27,216	27,264	27,165	-0.2	0.4	0.6	27,173	27,243	27,771	25,845	212,098	194,260	9.2
Paints, coatings, and adhesives.....	4,114	4,086	4,095	0.7	-0.2	-0.8	4,441	4,201	4,244	4,630	34,013	34,213	-0.6
Plastics and rubber products.....	24,938	25,018	25,139	-0.3	-0.5	-0.1	26,060	25,080	25,878	26,086	202,673	198,609	2.0

<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> 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/>>.

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Full Report, October 3, 2024. 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		
	Aug. 2024 <sup>p</sup>	July 2024 <sup>r</sup>	June 2024	July - Aug.	June - July	May - June	Aug. 2024 <sup>p</sup>	July 2024 <sup>r</sup>	June 2024	Aug. 2023	2024 <sup>p</sup>	2023	% Change 2024/ 2023
All manufacturing industries <sup>2</sup> .....	590,351	591,644	563,972	-0.2	4.9	-3.3	600,334	574,524	593,029	604,203	4,643,729	4,630,140	0.3
Excluding transportation <sup>2</sup> .....	489,194	489,658	488,194	-0.1	0.3	0.1	502,786	488,382	500,678	506,019	3,923,274	3,862,627	1.6
Excluding defense <sup>2</sup> .....	571,622	573,701	546,707	-0.4	4.9	-3.5	582,873	560,613	574,215	589,884	4,518,751	4,503,803	0.3
With unfilled orders <sup>2</sup> .....	207,523	208,282	180,341	-0.4	15.5	-9.3	202,327	193,034	201,637	201,931	1,573,351	1,612,934	-2.5
Durable goods industries <sup>2</sup> .....	289,557	289,419	263,541	0.0	9.8	-6.9	289,211	268,942	287,595	290,578	2,232,356	2,261,615	-1.3
Primary metals.....	26,548	26,499	26,702	0.2	-0.8	-0.5	27,056	26,141	26,806	27,589	218,013	218,221	-0.1
Iron and steel mills.....	14,417	14,396	14,528	0.1	-0.9	2.0	14,723	14,392	14,566	15,306	119,364	121,443	-1.7
Aluminum and nonferrous metals.....	10,525	10,466	10,567	0.6	-1.0	-3.0	10,739	10,171	10,673	10,643	85,098	83,226	2.2
Ferrous metal foundries.....	1,606	1,637	1,607	-1.9	1.9	-4.6	1,594	1,578	1,567	1,640	13,551	13,552	0.0
Fabricated metal products.....	36,633	36,386	36,164	0.7	0.6	0.0	37,830	35,757	36,702	37,741	297,067	289,719	2.5
Machinery.....	37,815	37,681	37,720	0.4	-0.1	1.1	37,883	36,498	39,332	38,243	304,569	302,675	0.6
Construction machinery.....	3,907	4,057	4,482	-3.7	-9.5	3.3	3,544	3,975	4,558	3,905	34,520	33,635	2.6
Mining, oil field, and gas field machinery.....	1,512	1,826	1,544	-17.2	18.3	2.3	1,467	1,773	1,543	1,702	12,946	13,253	-2.3
Industrial machinery.....	3,665	3,732	3,696	-1.8	1.0	-1.2	3,472	3,631	4,108	3,448	29,021	28,802	0.8
Photographic equipment.....	603	553	589	9.0	-6.1	-2.5	587	515	608	561	4,593	4,945	-7.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,591	5,470	5,559	2.2	-1.6	6.4	6,088	5,744	6,187	5,466	43,812	40,250	8.8
Metalworking machinery.....	2,744	2,721	2,606	0.8	4.4	-0.9	2,605	2,570	2,573	2,611	21,676	21,249	2.0
Turbines, generators, and other power transmission equipment.....	3,648	3,780	3,874	-3.5	-2.4	2.0	3,795	3,655	3,952	4,205	31,094	32,010	-2.9
Material handling equipment.....	3,998	4,003	3,737	-0.1	7.1	-1.0	4,013	3,651	3,897	4,283	30,950	32,080	-3.5
Computers and electronic products <sup>2</sup> .....	25,107	25,004	25,100	0.4	-0.4	0.3	24,066	22,593	27,434	23,307	192,395	186,757	3.0
Computers.....	1,014	1,048	1,018	-3.2	2.9	0.1	1,138	997	1,184	940	7,978	6,499	22.8
Nondefense communications equipment.....	2,830	2,849	2,909	-0.7	-2.1	2.7	2,472	2,258	3,492	2,360	20,620	20,623	0.0
Defense communications equipment.....	191	188	193	1.6	-2.6	-3.0	195	175	198	207	1,498	1,569	-4.5
Electronic components.....	4,884	4,868	4,960	0.3	-1.9	-1.7	5,046	4,735	5,081	4,953	39,199	36,649	7.0
Nondefense search and navigation equipment.....	1,843	1,830	1,832	0.7	-0.1	-0.3	1,822	1,650	1,992	1,733	14,039	13,747	2.1
Defense search and navigation equipment.....	3,668	3,494	3,591	5.0	-2.7	1.4	3,222	2,856	4,155	2,754	27,612	25,610	7.8
Electromedical, measuring, and control instruments.....	8,783	8,850	8,775	-0.8	0.9	1.1	8,353	8,201	9,372	8,504	67,279	68,388	-1.6
Electrical equipment, appliances, and components.....	14,456	14,111	14,225	2.4	-0.8	0.7	14,776	13,367	15,192	14,944	114,326	113,522	0.7
Electric lighting equipment.....	1,398	1,333	1,362	4.9	-2.1	2.7	1,444	1,241	1,571	1,336	10,991	10,420	5.5
Household appliances.....	2,425	2,431	2,430	-0.2	0.0	0.3	2,490	2,107	2,566	2,760	18,791	18,851	-0.3
Electrical equipment.....	4,566	4,419	4,451	3.3	-0.7	-0.4	4,519	4,241	4,945	4,771	37,127	37,809	-1.8
Transportation equipment.....	101,157	101,986	75,778	-0.8	34.6	-20.6	97,548	86,142	92,351	98,184	720,455	767,513	-6.1
Motor vehicle bodies, parts, and trailers.....	28,596	28,799	29,104	-0.7	-1.0	0.6	30,336	26,520	28,244	31,484	234,204	233,940	0.1
Nondefense aircraft and parts <sup>3</sup> .....	21,880	23,651	-4,195	-7.5	(NA)	-126.9	14,634	19,167	11,611	14,788	101,367	146,851	-31.0
Defense aircraft and parts.....	6,030	5,564	4,842	8.4	14.9	-4.8	6,199	4,524	5,130	5,378	37,388	41,594	-10.1
Ships and boats.....	3,910	3,512	3,439	11.3	2.1	8.9	3,317	2,590	3,644	2,258	25,451	30,105	-15.5
Furniture and related products.....	6,726	6,789	6,857	-0.9	-1.0	-0.5	6,804	6,836	6,775	6,729	55,130	54,333	1.5
Nondurable goods industries.....	300,794	302,225	300,431	-0.5	0.6	0.0	311,123	305,582	305,434	313,625	2,411,373	2,368,525	1.8

<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 month-to-month 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/>>. The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Full Report, October 3, 2024. 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
	Aug. 2024 <sup>p</sup>	July 2024 <sup>r</sup>	June 2024	July - Aug.	June - July	May - June	Aug. 2024 <sup>p</sup>	July 2024 <sup>r</sup>	June 2024	Aug. 2023	
All manufacturing industries <sup>2</sup> .....	1,391,358	1,386,380	1,383,211	0.4	0.2	-1.4	1,384,075	1,388,755	1,388,680	1,330,509	4.0
Excluding transportation <sup>2</sup> .....	494,882	494,083	493,930	0.2	0.0	0.1	493,571	496,601	497,749	496,233	-0.5
Excluding defense <sup>2</sup> .....	1,152,862	1,149,654	1,147,194	0.3	0.2	-1.8	1,147,811	1,153,163	1,151,567	1,089,676	5.3
Durable goods industries <sup>2</sup> .....	1,391,358	1,386,380	1,383,211	0.4	0.2	-1.4	1,384,075	1,388,755	1,388,680	1,330,509	4.0
Primary metals.....	39,694	39,398	39,262	0.8	0.3	0.5	39,309	39,654	39,618	37,827	3.9
Iron and steel mills.....	23,433	23,308	23,279	0.5	0.1	0.3	23,446	23,549	23,480	23,156	1.3
Aluminum and nonferrous metals.....	11,249	11,075	10,955	1.6	1.1	1.5	10,952	11,117	11,120	10,145	8.0
Ferrous metal foundries.....	5,012	5,015	5,028	-0.1	-0.3	-1.0	4,911	4,988	5,018	4,526	8.5
Fabricated metal products.....	129,157	128,973	128,917	0.1	0.0	-0.1	130,413	130,839	130,958	130,570	-0.1
Machinery.....	133,173	133,298	133,454	-0.1	-0.1	-0.3	132,518	133,559	133,835	137,945	-3.9
Construction machinery.....	9,205	9,424	9,571	-2.3	-1.5	1.5	8,920	9,428	9,536	10,257	-13.0
Mining, oil field, and gas field machinery.....	4,676	4,771	4,561	-2.0	4.6	-3.0	4,676	4,771	4,561	4,939	-5.3
Industrial machinery.....	10,008	10,021	10,065	-0.1	-0.4	-0.6	10,030	10,140	10,102	11,907	-15.8
Photographic equipment.....	3,247	3,287	3,358	-1.2	-2.1	-1.8	3,128	3,180	3,270	3,782	-17.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	13,900	13,691	13,747	1.5	-0.4	1.2	13,752	13,689	13,915	13,310	3.3
Metalworking machinery.....	9,200	9,200	9,225	0.0	-0.3	-0.7	9,105	9,296	9,266	9,495	-4.1
Turbines, generators, and other power transmission equipment.....	33,380	33,386	33,341	0.0	0.1	-0.2	33,380	33,386	33,341	32,448	2.9
Material handling equipment.....	18,448	18,449	18,430	0.0	0.1	-1.4	18,213	18,362	18,485	19,153	-4.9
Computers and electronic products <sup>2</sup> .....	136,590	136,196	135,923	0.3	0.2	0.3	135,464	136,006	136,399	133,523	1.5
Computers.....	1,346	1,341	1,311	0.4	2.3	1.8	1,346	1,341	1,311	1,284	4.8
Nondefense communications equipment.....	17,203	17,216	17,242	-0.1	-0.2	0.2	16,891	16,927	17,205	16,607	1.7
Defense communications equipment.....	217	224	229	-3.1	-2.2	-0.9	209	219	227	233	-10.3
Electronic components.....	16,011	16,107	16,140	-0.6	-0.2	0.1	15,815	16,068	16,060	16,411	-3.6
Nondefense search and navigation equipment.....	32,846	32,674	32,523	0.5	0.5	0.5	32,864	32,689	32,561	31,413	4.6
Defense search and navigation equipment.....	36,606	36,440	36,395	0.5	0.1	0.5	36,394	36,630	36,938	35,810	1.6
Electromedical, measuring, and control instruments.....	32,361	32,194	32,083	0.5	0.3	0.1	31,945	32,132	32,097	31,765	0.6
Electrical equipment, appliances, and components.....	43,818	43,641	43,747	0.4	-0.2	0.2	43,612	43,776	44,010	43,893	-0.6
Electric lighting equipment.....	3,780	3,759	3,796	0.6	-1.0	-0.2	3,764	3,774	3,884	3,823	-1.5
Household appliances.....	6,195	6,106	6,026	1.5	1.3	0.8	6,005	5,973	5,932	5,037	19.2
Electrical equipment.....	21,519	21,510	21,683	0.0	-0.8	0.1	21,554	21,749	21,864	22,446	-4.0
Transportation equipment.....	896,476	892,297	889,281	0.5	0.3	-2.2	890,504	892,154	890,931	834,276	6.7
Motor vehicle bodies, parts, and trailers.....	34,214	34,466	34,574	-0.7	-0.3	-0.1	33,349	33,804	33,916	34,317	-2.8
Nondefense aircraft and parts.....	650,259	647,383	644,697	0.4	0.4	-3.1	647,244	649,262	646,456	582,636	11.1
Defense aircraft and parts.....	71,528	70,455	69,919	1.5	0.8	0.0	71,076	69,858	69,903	71,936	-1.2
Ships and boats.....	52,780	52,310	52,145	0.9	0.3	0.2	52,107	52,262	52,656	55,449	-6.0
Furniture and related products.....	10,499	10,624	10,664	-1.2	-0.4	-0.2	10,304	10,814	10,966	10,460	-1.5

<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> 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/>>.

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Full Report, October 3, 2024. 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
	Aug. 2024 <sup>p</sup>	July 2024 <sup>r</sup>	June 2024	July - Aug.	June - July	May - June	Aug. 2024 <sup>p</sup>	July 2024 <sup>r</sup>	June 2024	Aug. 2023	August 2024/ 2023
All manufacturing industries.....	860,234	859,018	858,851	0.1	0.0	-0.1	861,205	862,145	858,319	856,597	0.5
Excluding transportation.....	687,926	686,878	686,916	0.2	0.0	0.0	687,089	688,470	687,404	690,062	-0.4
Excluding defense.....	829,131	828,078	827,829	0.1	0.0	-0.1	829,959	831,228	827,193	826,908	0.4
With unfilled orders.....	430,152	429,291	429,150	0.2	0.0	-0.1	431,755	431,996	429,650	424,989	1.6
Durable goods industries.....	529,688	529,242	529,019	0.1	0.0	-0.1	531,812	531,986	528,352	525,519	1.2
Wood products.....	16,118	16,089	16,052	0.2	0.2	0.1	15,879	15,805	15,780	15,593	1.8
Nonmetallic mineral products.....	17,881	17,813	17,706	0.4	0.6	1.1	17,811	17,894	17,839	17,164	3.8
Primary metals.....	45,470	45,487	45,433	0.0	0.1	-0.1	45,476	45,712	45,754	46,214	-1.6
Iron and steel mills.....	26,271	26,263	26,220	0.0	0.2	-1.1	26,251	26,387	26,475	27,113	-3.2
Aluminum and nonferrous metals.....	15,936	16,001	16,004	-0.4	0.0	1.3	16,001	16,163	16,071	16,001	0.0
Ferrous metal foundries.....	3,263	3,223	3,209	1.2	0.4	0.7	3,224	3,162	3,208	3,100	4.0
Fabricated metal products.....	64,569	64,557	64,586	0.0	0.0	0.0	64,724	65,298	64,968	64,986	-0.4
Machinery.....	94,476	94,350	94,368	0.1	0.0	-0.1	94,021	93,960	94,410	94,644	-0.7
Farm machinery.....	5,023	5,137	5,169	-2.2	-0.6	-1.0	4,794	4,972	5,061	5,480	-12.5
Construction machinery.....	10,508	10,391	10,193	1.1	1.9	1.3	10,264	10,300	10,115	9,480	8.3
Mining, oil field, and gas field machinery.....	5,227	5,285	5,270	-1.1	0.3	-0.9	5,241	5,292	5,292	5,872	-10.7
Industrial machinery.....	10,904	10,904	10,871	0.0	0.3	0.0	11,042	10,472	11,169	11,384	-3.0
Photographic equipment.....	1,370	1,381	1,388	-0.8	-0.5	-0.9	1,400	1,388	1,358	1,495	-6.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,754	8,829	9,034	-0.8	-2.3	-2.0	8,444	8,725	9,064	9,438	-10.5
Metalworking machinery.....	7,598	7,605	7,615	-0.1	-0.1	0.4	7,652	7,734	7,596	7,482	2.3
Turbines, generators, and other power transmission equipment.....	12,772	12,583	12,607	1.5	-0.2	0.7	12,785	12,774	12,570	12,003	6.5
Material handling equipment.....	8,498	8,424	8,353	0.9	0.8	1.0	8,598	8,481	8,303	8,077	6.5
Computers and electronic products <sup>2</sup> .....	55,036	54,883	54,965	0.3	-0.1	-0.3	55,331	55,169	54,591	55,410	-0.1
Computers.....	1,711	1,732	1,758	-1.2	-1.5	-3.6	1,786	1,751	1,819	1,973	-9.5
Computer storage devices.....	635	619	622	2.6	-0.5	0.8	670	635	611	642	4.4
Other peripheral equipment.....	935	949	969	-1.5	-2.1	0.4	939	948	948	1,058	-11.2
Nondefense communications equipment.....	4,311	4,308	4,320	0.1	-0.3	-0.2	4,416	4,327	4,292	4,476	-1.3
Defense communications equipment.....	643	645	644	-0.3	0.2	-1.2	643	645	644	640	0.5
Audio and video equipment.....	575	564	562	2.0	0.4	0.9	578	550	568	720	-19.7
Electronic components.....	10,299	10,232	10,263	0.7	-0.3	-0.9	10,058	10,322	10,119	10,419	-3.5
Nondefense search and navigation equipment.....	4,354	4,317	4,301	0.9	0.4	0.6	4,426	4,345	4,251	4,321	2.4
Defense search and navigation equipment.....	3,438	3,451	3,471	-0.4	-0.6	-0.5	3,435	3,467	3,476	3,362	2.2
Electromedical, measuring and control instruments.....	19,468	19,408	19,410	0.3	0.0	0.3	19,710	19,658	19,378	19,336	1.9
Electrical equipment, appliances, and components.....	25,823	25,876	25,958	-0.2	-0.3	-0.5	26,096	26,143	26,122	26,594	-1.9
Electric lighting equipment.....	2,418	2,418	2,410	0.0	0.3	-0.1	2,438	2,429	2,410	2,524	-3.4
Household appliances.....	3,522	3,543	3,544	-0.6	0.0	-0.8	3,643	3,674	3,567	3,727	-2.3
Electrical equipment.....	9,839	9,815	9,783	0.2	0.3	-0.1	9,886	9,857	9,781	9,973	-0.9
Batteries.....	1,969	1,955	1,942	0.7	0.7	0.4	2,002	2,008	2,043	1,939	3.2
Transportation equipment.....	172,308	172,140	171,935	0.1	0.1	-0.2	174,116	173,675	170,915	166,535	4.6
Automobiles.....	5,345	5,525	5,594	-3.3	-1.2	1.7	5,667	5,798	5,550	6,157	-8.0
Light trucks and utility vehicles.....	9,055	9,271	9,242	-2.3	0.3	-1.6	9,456	9,353	8,657	9,723	-2.7
Heavy duty trucks .....	2,979	2,968	2,984	0.4	-0.5	-1.0	2,993	2,993	3,029	2,927	2.3
Motor vehicle bodies, parts, and trailers.....	36,227	36,057	35,837	0.5	0.6	0.4	36,265	36,492	35,389	35,722	1.5
Nondefense aircraft and parts.....	84,135	83,911	83,706	0.3	0.2	-0.6	84,830	84,475	83,734	78,544	8.0
Defense aircraft and parts.....	14,239	14,228	14,231	0.1	0.0	0.6	14,277	14,251	14,208	14,124	1.1
Ships and boats.....	4,984	4,937	4,929	1.0	0.2	-0.4	5,104	4,866	5,005	4,799	6.4
Furniture and related products.....	9,989	10,017	10,042	-0.3	-0.2	-0.1	10,024	10,144	10,179	10,237	-2.1
Miscellaneous durable goods.....	28,018	28,030	27,974	0.0	0.2	0.2	28,334	28,186	27,794	28,142	0.7
Nondurable goods industries.....	330,546	329,776	329,832	0.2	0.0	0.0	329,393	330,159	329,967	331,078	-0.5
Food products.....	69,342	69,421	69,634	-0.1	-0.3	-0.4	68,663	67,926	67,995	70,498	-2.6
Grain and oilseed milling.....	6,597	6,681	6,776	-1.3	-1.4	-1.8	6,407	6,515	6,631	7,370	-13.1
Dairy products.....	10,714	10,717	10,749	0.0	-0.3	0.9	10,771	11,013	11,133	10,862	-0.8
Meat, poultry, and seafood products.....	12,293	12,311	12,325	-0.1	-0.1	-0.5	12,538	12,328	12,040	13,376	-6.3
Beverage and tobacco products.....	31,139	31,046	31,027	0.3	0.1	0.3	30,615	30,460	30,941	30,385	0.8
Beverages.....	27,828	27,740	27,689	0.3	0.2	0.4	27,542	27,396	27,742	27,003	2.0
Tobacco.....	3,311	3,306	3,338	0.2	-1.0	-0.7	3,073	3,064	3,199	3,382	-9.1
Textile mills.....	3,484	3,459	3,505	0.7	-1.3	-0.3	3,514	3,503	3,526	3,616	-2.8
Textile products.....	3,643	3,631	3,641	0.3	-0.3	-0.2	3,644	3,610	3,618	3,642	0.1
Apparel.....	2,197	2,185	2,178	0.5	0.3	0.5	2,294	2,279	2,236	2,260	1.5
Leather and allied products.....	1,310	1,309	1,301	0.1	0.6	2.9	1,337	1,343	1,307	1,282	4.3
Paper products.....	18,054	17,968	17,973	0.5	0.0	0.3	18,187	18,134	18,054	18,032	0.9
Pulp, paper, and paperboard mills.....	5,731	5,688	5,682	0.8	0.1	1.2	5,732	5,727	5,695	5,577	2.8
Paperboard containers.....	6,835	6,793	6,810	0.6	-0.2	-0.1	6,917	6,845	6,839	6,849	1.0
Printing.....	6,738	6,766	6,713	-0.4	0.8	0.3	6,855	6,796	6,683	6,803	0.8
Petroleum and coal products.....	47,931	47,571	47,600	0.8	-0.1	-0.5	47,680	48,926	49,119	48,338	-1.4
Petroleum refineries.....	41,044	40,766	40,860	0.7	-0.2	-0.8	40,819	42,009	42,278	41,686	-2.1
Chemical products.....	113,479	113,315	113,154	0.1	0.1	0.2	113,376	114,076	113,477	112,593	0.7
Pesticides, fertilizers, and other agricultural chemicals.....	5,982	5,994	5,952	-0.2	0.7	-0.5	5,827	5,807	5,708	5,969	-2.4
Pharmaceuticals and medicines.....	49,291	49,455	49,443	-0.3	0.0	0.4	48,731	49,829	50,101	47,368	2.9
Paints, coatings, and adhesives.....	5,542	5,494	5,451	0.9	0.8	0.5	5,501	5,513	5,473	5,615	-2.0
Plastics and rubber products.....	33,229	33,105	33,106	0.4	0.0	0.0	33,228	33,106	33,011	33,629	-1.2

<sup>p</sup> Preliminary

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

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

<sup>2</sup> 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/>>.  
The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-600307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254).  
Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Full Report, October 3, 2024. Information on data sources and methodology can be found on our website at <[www.census.gov/manufacturing/m3/how\\_the\\_data\\_are\\_collected/index.html](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html)>.



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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		% Change <sup>6</sup>
	Aug. 2024 <sup>p</sup>	July 2024 <sup>r</sup>	June 2024	July - Aug.	June - July	May - June	Aug. 2024 <sup>p</sup>	July 2024 <sup>r</sup>	June 2024	Aug. 2023	2024 <sup>p</sup>	2023	
<b>SHIPMENTS</b>													
All manufacturing industries.....	590,054	593,195	588,438	-0.5	0.8	0.6	609,776	579,032	608,246	611,986	4,689,320	4,608,897	1.7
Construction materials and supplies.....	62,415	62,371	62,475	0.1	-0.2	0.0	67,343	64,945	66,356	68,768	507,565	503,035	0.9
Information technology.....	24,834	24,904	24,815	-0.3	0.4	-0.2	24,626	23,321	27,117	24,655	193,757	190,874	1.5
Computers and related products.....	2,282	2,265	2,208	0.8	2.6	-3.2	2,362	2,113	2,595	2,070	17,434	15,474	12.7
Motor vehicle and parts.....	61,948	61,778	63,991	0.3	-3.5	-0.8	66,461	54,077	64,438	68,925	503,438	495,344	1.6
Capital goods.....	102,617	104,448	99,673	-1.8	4.8	4.8	100,694	95,292	109,526	96,556	768,891	749,005	2.7
Nondefense capital goods <sup>3</sup> .....	88,114	89,729	85,603	-1.8	4.8	6.2	86,400	82,249	95,055	83,193	657,734	646,085	1.8
Excluding aircraft.....	73,608	73,650	73,909	-0.1	-0.4	0.0	74,123	70,461	78,754	75,491	589,661	586,325	0.6
Defense capital goods <sup>4</sup> .....	14,503	14,719	14,070	-1.5	4.6	-2.9	14,294	13,043	14,471	13,363	111,157	102,920	8.0
Consumer goods.....	248,559	249,696	250,189	-0.5	-0.2	-0.5	258,367	246,252	253,397	263,706	1,993,536	1,956,924	1.9
Consumer durable goods.....	45,836	45,286	47,044	1.2	-3.7	-1.9	48,897	38,845	47,855	50,196	364,870	359,710	1.4
Consumer nondurable goods.....	202,723	204,410	203,145	-0.8	0.6	-0.2	209,470	207,407	205,542	213,510	1,628,666	1,597,214	2.0
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	590,351	591,644	563,972	-0.2	4.9	-3.3	600,334	574,524	593,029	604,203	4,643,729	4,630,140	0.3
Construction materials and supplies.....	62,745	62,292	62,565	0.7	-0.4	0.4	66,917	64,310	66,160	67,755	510,350	505,821	0.9
Information technology.....	25,342	25,163	25,235	0.7	-0.3	0.6	24,294	22,780	27,597	23,564	194,222	191,245	1.6
Computers and related products.....	2,287	2,295	2,231	-0.3	2.9	-2.1	2,367	2,143	2,618	2,057	17,508	15,475	13.1
Motor vehicle and parts.....	61,696	61,670	63,941	0.0	-3.6	-0.8	66,006	53,965	63,475	68,826	501,663	494,720	1.4
Capital goods.....	106,952	107,320	79,698	-0.3	34.7	-18.5	98,022	95,678	100,583	95,678	757,351	804,337	-5.8
Nondefense capital goods <sup>3</sup> .....	90,963	92,146	64,880	-1.3	42.0	-22.8	82,858	84,289	84,494	83,615	651,898	697,470	-6.5
Excluding aircraft.....	73,672	73,482	73,690	0.3	-0.3	0.6	72,528	69,710	77,454	73,585	587,642	586,069	0.3
Defense capital goods <sup>4</sup> .....	15,989	15,174	14,818	5.4	2.4	7.7	15,164	11,389	16,089	12,063	105,453	106,867	-1.3
Consumer goods.....	248,590	249,784	250,233	-0.5	-0.2	-0.5	258,232	246,430	253,176	263,801	1,993,905	1,957,110	1.9
Consumer durable goods.....	45,867	45,374	47,088	1.1	-3.6	-2.0	48,762	39,023	47,634	50,291	365,239	359,896	1.5
Consumer nondurable goods.....	202,723	204,410	203,145	-0.8	0.6	-0.2	209,470	207,407	205,542	213,510	1,628,666	1,597,214	2.0
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	1,391,358	1,386,380	1,383,211	0.4	0.2	-1.4	1,384,075	1,388,755	1,388,680	1,330,509	(X)	(X)	4.0
Construction materials and supplies.....	99,055	98,725	98,804	0.3	-0.1	0.1	99,831	100,257	100,892	100,533	(X)	(X)	-0.7
Information technology.....	136,150	135,642	135,383	0.4	0.2	0.3	135,066	135,398	135,939	133,481	(X)	(X)	1.2
Computers and related products.....	1,346	1,341	1,311	0.4	2.3	1.8	1,346	1,341	1,311	1,284	(X)	(X)	4.8
Motor vehicle and parts.....	34,214	34,466	34,574	-0.7	-0.3	-0.1	33,349	33,804	33,916	34,317	(X)	(X)	-2.8
Capital goods.....	1,047,262	1,042,927	1,040,055	0.4	0.3	-1.9	1,041,606	1,044,278	1,043,892	989,218	(X)	(X)	5.3
Nondefense capital goods <sup>3</sup> .....	842,666	839,817	837,400	0.3	0.3	-2.4	838,680	842,222	840,182	780,029	(X)	(X)	7.5
Excluding aircraft.....	265,896	265,832	266,000	0.0	-0.1	-0.1	264,638	266,233	266,984	270,424	(X)	(X)	-2.1
Defense capital goods <sup>4</sup> .....	204,596	203,110	202,655	0.7	0.2	0.4	202,926	202,056	203,710	209,189	(X)	(X)	-3.0
Consumer goods.....	13,278	13,247	13,159	0.2	0.7	0.3	12,976	13,111	12,933	12,064	(X)	(X)	7.6
Consumer durable goods.....	13,278	13,247	13,159	0.2	0.7	0.3	12,976	13,111	12,933	12,064	(X)	(X)	7.6
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	860,234	859,018	858,851	0.1	0.0	-0.1	861,205	862,145	858,319	856,597	(X)	(X)	0.5
Construction materials and supplies.....	93,068	92,942	92,932	0.1	0.0	0.2	92,370	93,022	93,039	92,254	(X)	(X)	0.1
Information technology.....	45,675	45,679	45,884	0.0	-0.4	-0.2	46,284	46,040	45,807	46,610	(X)	(X)	-0.7
Computers and related products.....	3,281	3,300	3,349	-0.6	-1.5	-1.6	3,395	3,334	3,378	3,673	(X)	(X)	-7.6
Motor vehicle and parts.....	53,606	53,821	53,657	-0.4	0.3	0.1	54,381	54,636	52,625	54,529	(X)	(X)	-0.3
Capital goods.....	258,584	257,993	257,864	0.2	0.1	-0.1	260,203	258,747	258,229	252,400	(X)	(X)	3.1
Nondefense capital goods <sup>3</sup> .....	232,899	232,437	232,220	0.2	0.1	-0.2	234,413	233,237	232,458	227,969	(X)	(X)	2.8
Excluding aircraft.....	163,399	163,128	163,033	0.2	0.1	0.1	164,096	163,546	163,150	163,368	(X)	(X)	0.4
Defense capital goods <sup>4</sup> .....	25,685	25,556	25,644	0.5	-0.3	0.7	25,790	25,510	25,771	24,431	(X)	(X)	5.6
Consumer goods.....	252,600	252,839	253,149	-0.1	-0.1	-0.2	251,931	253,166	252,789	254,737	(X)	(X)	-1.1
Consumer durable goods.....	40,225	40,696	40,763	-1.2	-0.2	-0.4	41,335	41,217	39,986	43,020	(X)	(X)	-3.9
Consumer nondurable goods.....	212,375	212,143	212,386	0.1	-0.1	-0.1	210,596	211,949	212,803	211,717	(X)	(X)	-0.5

<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/>>. The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254). Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Full Report, October 3, 2024. 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 2024/ 2023
	Aug. 2024 <sup>p</sup>	July 2024 <sup>r</sup>	June 2024	July - Aug.	June - July	May - June	Aug. 2024 <sup>p</sup>	July 2024 <sup>r</sup>	June 2024	Aug. 2023	
<b><u>MATERIALS AND SUPPLIES</u></b>											
All manufacturing industries.....	313,400	312,276	311,793	0.4	0.2	-0.3	313,660	314,088	311,210	315,002	-0.4
Durable goods industries.....	195,910	195,383	195,419	0.3	0.0	-0.5	196,720	197,056	194,916	197,836	-0.6
Wood products.....	7,698	7,645	7,607	0.7	0.5	-0.3	7,654	7,515	7,422	7,520	1.8
Nonmetallic mineral products.....	7,964	7,967	7,954	0.0	0.2	0.6	7,970	7,990	7,973	7,735	3.0
Primary metals.....	19,431	19,369	19,289	0.3	0.4	-0.3	19,436	19,517	19,498	18,614	4.4
Fabricated metal products.....	24,280	24,390	24,463	-0.5	-0.3	-0.8	24,406	24,715	24,612	24,435	-0.1
Machinery.....	40,190	39,960	40,056	0.6	-0.2	-0.1	40,244	40,337	39,972	40,838	-1.3
Computers and electronic products.....	26,559	26,573	26,599	-0.1	-0.1	-1.1	26,777	26,699	26,463	27,059	-1.0
Electrical equipment, appliances, and components.....	12,541	12,510	12,460	0.2	0.4	-0.6	12,683	12,661	12,494	12,837	-1.2
Transportation equipment.....	42,525	42,236	42,146	0.7	0.2	-0.6	42,753	42,778	41,646	43,695	-2.2
Furniture and related products.....	5,144	5,154	5,201	-0.2	-0.9	-0.3	5,119	5,183	5,266	5,247	-2.4
Miscellaneous products.....	9,578	9,579	9,644	0.0	-0.7	-0.5	9,678	9,661	9,570	9,856	-1.8
Nondurable goods industries.....	117,490	116,893	116,374	0.5	0.4	-0.1	116,940	117,032	116,294	117,166	-0.2
Food products.....	25,923	25,759	25,568	0.6	0.7	-1.2	25,361	25,328	25,238	25,608	-1.0
Beverage and tobacco products.....	6,187	6,197	6,207	-0.2	-0.2	1.1	5,922	5,931	6,074	6,158	-3.8
Textiles.....	1,500	1,489	1,480	0.7	0.6	-0.5	1,511	1,502	1,490	1,476	2.4
Textile products.....	1,675	1,673	1,682	0.1	-0.5	0.7	1,681	1,673	1,676	1,702	-1.2
Apparel.....	633	630	633	0.5	-0.5	3.3	649	648	642	578	12.3
Leather and allied products.....	379	375	379	1.1	-1.1	2.2	385	388	379	391	-1.5
Paper products.....	9,386	9,337	9,355	0.5	-0.2	0.0	9,448	9,423	9,353	9,386	0.7
Printing .....	3,466	3,547	3,473	-2.3	2.1	0.1	3,495	3,572	3,450	3,498	-0.1
Petroleum and coal products.....	14,777	14,448	14,195	2.3	1.8	-0.8	14,730	14,704	14,831	13,851	6.3
Chemical products.....	39,269	39,193	39,096	0.2	0.2	0.6	39,310	39,544	39,000	39,751	-1.1
Plastics and rubber products.....	14,295	14,245	14,306	0.4	-0.4	0.0	14,448	14,319	14,161	14,767	-2.2
<b><u>WORK IN PROCESS</u></b>											
All manufacturing industries.....	250,990	251,285	251,071	-0.1	0.1	0.0	251,577	252,777	251,421	242,825	3.6
Durable goods industries.....	187,827	187,704	187,311	0.1	0.2	0.3	188,991	188,315	187,466	178,819	5.7
Wood products.....	1,857	1,856	1,834	0.1	1.2	-0.3	1,830	1,839	1,820	1,765	3.7
Nonmetallic mineral products.....	1,876	1,853	1,835	1.2	1.0	0.8	1,867	1,873	1,857	1,746	6.9
Primary metals.....	11,731	11,844	11,869	-1.0	-0.2	1.1	11,940	11,964	11,974	12,470	-4.3
Fabricated metal products.....	17,402	17,336	17,376	0.4	-0.2	0.4	17,428	17,441	17,395	17,196	1.3
Machinery.....	24,512	24,627	24,378	-0.5	1.0	0.5	24,529	24,306	24,591	24,225	1.3
Computers and electronic products.....	14,135	14,065	14,089	0.5	-0.2	0.1	13,992	13,972	13,914	13,665	2.4
Electrical equipment, appliances, and components.....	4,814	4,788	4,830	0.5	-0.9	-0.3	4,871	4,866	4,912	4,729	3.0
Transportation equipment.....	105,037	104,797	104,599	0.2	0.2	0.2	105,995	105,460	104,486	96,715	9.6
Furniture and related products.....	1,474	1,466	1,453	0.5	0.9	2.2	1,469	1,469	1,475	1,438	2.2
Miscellaneous products.....	4,989	5,072	5,048	-1.6	0.5	0.4	5,070	5,125	5,042	4,870	4.1
Nondurable goods industries.....	63,163	63,581	63,760	-0.7	-0.3	-0.8	62,586	64,462	63,955	64,006	-2.2
Food products.....	5,462	5,647	5,769	-3.3	-2.1	-0.3	5,052	5,278	5,410	6,972	-27.5
Beverage and tobacco products.....	11,854	11,800	11,803	0.5	0.0	0.6	11,585	11,564	11,611	10,926	6.0
Textiles.....	552	553	567	-0.2	-2.5	0.9	559	563	567	577	-3.1
Textile products.....	470	474	475	-0.8	-0.2	-1.2	472	471	467	459	2.8
Apparel.....	307	310	316	-1.0	-1.9	-1.9	312	319	324	304	2.6
Leather and allied products.....	134	137	136	-2.2	0.7	2.3	136	140	135	137	-0.7
Paper products.....	1,857	1,844	1,841	0.7	0.2	-0.7	1,881	1,881	1,857	1,791	5.0
Printing .....	1,180	1,172	1,178	0.7	-0.5	-1.2	1,246	1,179	1,147	1,206	3.3
Petroleum and coal products.....	17,667	17,827	17,817	-0.9	0.1	-0.2	17,803	18,543	18,172	17,845	-0.2
Chemical products.....	19,728	19,887	19,964	-0.8	-0.4	-2.1	19,580	20,604	20,418	19,706	-0.6
Plastics and rubber products.....	3,952	3,930	3,894	0.6	0.9	-1.1	3,960	3,920	3,847	4,083	-3.0
<b><u>FINISHED GOODS</u></b>											
All manufacturing industries.....	295,844	295,457	295,987	0.1	-0.2	0.1	295,968	295,280	295,688	298,770	-0.9
Durable goods industries.....	145,951	146,155	146,289	-0.1	-0.1	0.0	146,101	146,615	145,970	148,864	-1.9
Wood products.....	6,563	6,588	6,611	-0.4	-0.3	0.7	6,395	6,451	6,538	6,308	1.4
Nonmetallic mineral products.....	8,041	7,993	7,917	0.6	1.0	1.6	7,974	8,031	8,009	7,683	3.8
Primary metals.....	14,308	14,274	14,275	0.2	0.0	-0.9	14,100	14,231	14,282	15,130	-6.8
Fabricated metal products.....	22,887	22,831	22,747	0.2	0.4	0.7	22,890	23,142	22,961	23,355	-2.0
Machinery.....	29,774	29,763	29,934	0.0	-0.6	-0.5	29,248	29,317	29,847	29,581	-1.1
Computers and electronic products.....	14,342	14,245	14,277	0.7	-0.2	0.9	14,562	14,498	14,214	14,686	-0.8
Electrical equipment, appliances, and components.....	8,468	8,578	8,668	-1.3	-1.0	-0.5	8,542	8,616	8,716	9,028	-5.4
Transportation equipment.....	24,746	25,107	25,190	-1.4	-0.3	-0.9	25,368	25,437	24,783	26,125	-2.9
Furniture and related products.....	3,371	3,397	3,388	-0.8	0.3	-0.8	3,436	3,492	3,438	3,552	-3.3
Miscellaneous products.....	13,451	13,379	13,282	0.5	0.7	0.5	13,586	13,400	13,182	13,416	1.3
Nondurable goods industries.....	149,893	149,302	149,698	0.4	-0.3	0.3	149,867	148,665	149,718	149,906	0.0
Food products.....	37,957	38,015	38,297	-0.2	-0.7	0.1	38,250	37,320	37,347	37,918	0.9
Beverage and tobacco products.....	13,098	13,049	13,017	0.4	0.2	-0.4	13,108	12,965	13,256	13,301	-1.5
Textiles.....	1,432	1,417	1,458	1.1	-2.8	-0.7	1,444	1,438	1,469	1,563	-7.6
Textile products.....	1,498	1,484	1,484	0.9	0.0	-0.9	1,491	1,466	1,475	1,481	0.7
Apparel.....	1,257	1,245	1,229	1.0	1.3	-0.2	1,333	1,312	1,270	1,378	-3.3
Leather and allied products.....	797	797	786	0.0	1.4	3.4	816	815	793	754	8.2
Paper products.....	6,811	6,787	6,777	0.4	0.1	0.8	6,858	6,830	6,844	6,855	0.0
Printing .....	2,092	2,047	2,062	2.2	-0.7	1.5	2,114	2,045	2,086	2,099	0.7
Petroleum and coal products.....	15,487	15,296	15,588	1.2	-1.9	-0.6	15,147	15,679	16,116	16,642	-9.0
Chemical products.....	54,482	54,235	54,094	0.5	0.3	0.8	54,486	53,928	54,059	53,136	2.5
Plastics and rubber products.....	14,982	14,930	14,906	0.3	0.2	0.3	14,820	14,867	15,003	14,779	0.3

<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/>>.

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CDBRB-FY24-0254).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Full Report, October 3, 2024. 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 2024 <sup>p</sup>	Jul 2024 <sup>f</sup>	Jun 2024	May 2024	Aug 2024 <sup>p</sup>	Jul 2024 <sup>f</sup>	Jun 2024	May 2024
All manufacturing industries <sup>3</sup> .....	1.46	1.45	1.46	1.47	(X)	(X)	(X)	(X)
Durable goods industries <sup>3</sup> .....	1.83	1.82	1.84	1.86	6.87	6.76	6.91	7.17
Wood products.....	1.23	1.23	1.22	1.21	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.35	1.35	1.34	1.32	(X)	(X)	(X)	(X)
Primary metals.....	1.73	1.73	1.71	1.71	1.51	1.49	1.48	1.47
Fabricated metal products.....	1.77	1.78	1.78	1.78	3.63	3.64	3.64	3.65
Machinery.....	2.49	2.49	2.48	2.49	3.90	3.87	3.85	3.89
Computers and electronic products <sup>3</sup> .....	1.87	1.86	1.87	1.87	5.99	5.96	5.96	5.92
Electrical equipment, appliances, and components.....	1.81	1.82	1.84	1.84	3.44	3.42	3.46	3.42
Transportation equipment.....	1.78	1.74	1.80	1.88	14.03	13.50	14.60	16.14
Furniture and related products.....	1.46	1.47	1.46	1.46	1.74	1.77	1.75	1.76
Miscellaneous products.....	1.89	1.90	1.92	1.90	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.10	1.09	1.10	1.10	(X)	(X)	(X)	(X)
Food products.....	0.86	0.86	0.86	0.87	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.57	1.55	1.58	1.60	(X)	(X)	(X)	(X)
Textiles.....	1.69	1.66	1.66	1.68	(X)	(X)	(X)	(X)
Textile products.....	1.86	1.85	1.85	1.88	(X)	(X)	(X)	(X)
Apparel.....	2.68	2.67	2.65	2.62	(X)	(X)	(X)	(X)
Leather and allied products.....	2.34	2.40	2.43	2.39	(X)	(X)	(X)	(X)
Paper products.....	1.03	1.03	1.04	1.04	(X)	(X)	(X)	(X)
Printing.....	0.90	0.91	0.91	0.91	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.76	0.74	0.74	0.74	(X)	(X)	(X)	(X)
Chemical products.....	1.39	1.39	1.40	1.41	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.33	1.32	1.32	1.32	(X)	(X)	(X)	(X)

X Not Applicable  
<sup>p</sup> Preliminary  
<sup>f</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/>>.  
The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254).  
Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Full Report, October 3, 2024. 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> 2024	Aug <sup>3</sup> 2023-Jul 2024	Aug <sup>2</sup> 2024	Aug <sup>3</sup> 2023-Jul 2024	Aug <sup>2</sup> 2024	Aug <sup>3</sup> 2023-Jul 2024	Aug <sup>2</sup> 2024	Aug <sup>3</sup> 2023-Jul 2024
All manufacturing industries.....	(X)	0.2	(X)	0.2	(X)	0.1	(X)	0.1
Durable goods industries.....	-0.1	0.1	0.0	0.4	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Nonmetallic mineral products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.1	0.2	0.0	0.3	0.0	0.1	0.0	0.2
Fabricated metal products.....	0.0	0.1	0.1	0.3	0.0	0.1	-0.1	0.1
Machinery.....	-0.2	0.2	-0.1	0.3	0.0	0.1	0.0	0.2
Computers and electronic products....	0.0	0.1	0.0	0.3	0.0	0.0	0.1	0.1
Electrical equipment, appliances, and components.....	-0.1	0.4	0.5	0.8	0.0	0.2	0.0	0.2
Transportation equipment.....	-0.1	0.4	0.0	1.1	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.2	(X)	0.5	(X)	0.2	(X)	0.3
Miscellaneous products.....	(X)	0.2	(X)	0.2	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Beverage and tobacco products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Textile products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.4
Paper products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Printing.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.5
Petroleum and coal products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
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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