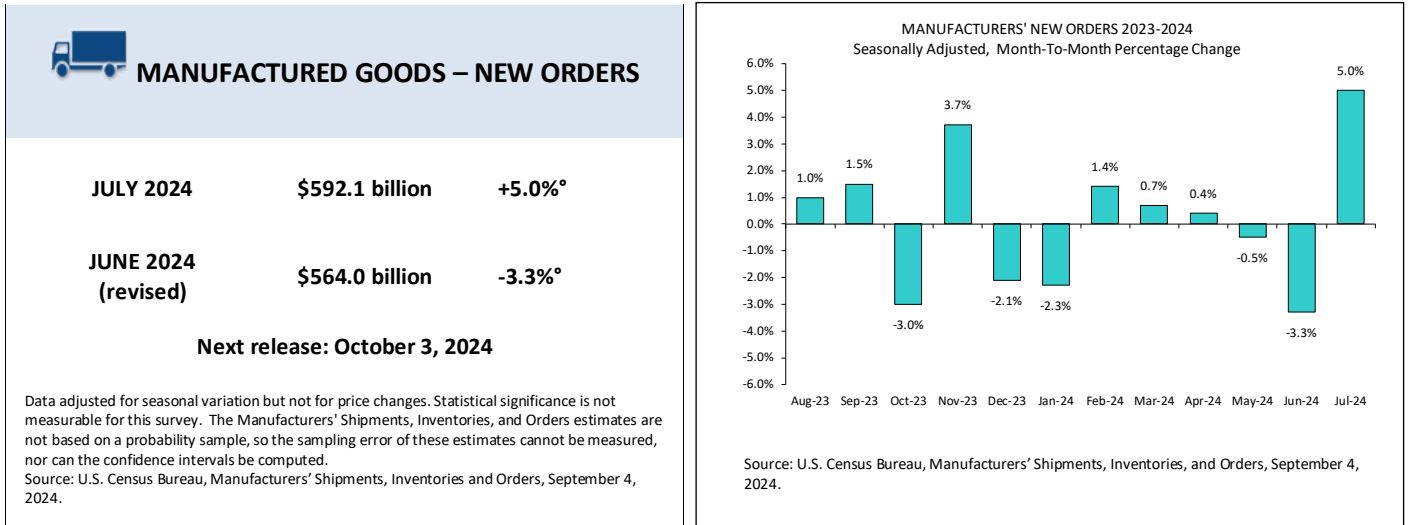


MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS JULY 2024

Release Number: CB 24-131 M3-2 (24)-07

September 4, 2024 — The U.S. Census Bureau announces the July full report on manufacturers' shipments, inventories and orders:



Summary

New orders for manufactured goods in July, up following two consecutive monthly decreases, increased \$28.2 billion or 5.0 percent to \$592.1 billion, the U.S. Census Bureau reported today. This followed a 3.3 percent June decrease. Shipments, up five of the last six months, increased \$5.4 billion or 0.9 percent to \$593.8 billion. This followed a 0.6 percent June increase. Unfilled orders, up forty-seven of the last forty-eight months, increased \$3.1 billion or 0.2 percent to \$1,386.3 billion. This followed a 1.4 percent June decrease. The unfilled orders-to-shipments ratio was 6.76, down from 6.91 in June. Inventories, up five of the last six months, increased \$0.6 billion or 0.1 percent to \$859.4 billion. This followed a 0.1 percent June decrease. The inventories-to-shipments ratio was 1.45, down from 1.46 in June.

New Orders

New orders for manufactured durable goods in July, up five of the last six months, increased \$25.9 billion or 9.8 percent to \$289.5 billion, down from the previously published 9.9 percent increase. This followed a 6.9 percent June decrease. Transportation equipment, up two of the last three months, drove the increase, \$26.3 billion or 34.7 percent to \$102.1 billion. New orders for manufactured nondurable goods increased \$2.3 billion or 0.8 percent to \$302.7 billion.

Data Inquiries

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

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov

Shipments

Shipments of manufactured durable goods in July, up five of the last six months, increased \$3.1 billion or 1.1 percent to \$291.1 billion, unchanged from the previously published increase. This followed a 1.2 percent June increase. Transportation equipment, also up five of the last six months, drove the increase, \$3.4 billion or 3.5 percent to \$99.1 billion. Shipments of manufactured nondurable goods, up five of the last six months, increased \$2.3 billion or 0.8 percent to \$302.7 billion. This followed a virtually unchanged June increase. Petroleum and coal products, up following two consecutive monthly decreases, led the increase, \$0.7 billion or 1.1 percent to \$64.6 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in July, up forty-seven of the last forty-eight months, increased \$3.1 billion or 0.2 percent to \$1,386.3 billion, unchanged from the previously published increase. This followed a 1.4 percent June decrease. Transportation equipment, up forty-two of the last forty-three months, led the increase, \$3.0 billion or 0.3 percent to \$892.3 billion.

Inventories

Inventories of manufactured durable goods in July, up three of the last four months, increased \$0.7 billion or 0.1 percent to \$529.7 billion, unchanged from the previously published increase. This followed a 0.1 percent June decrease. Transportation equipment, up eleven of the last twelve months, led the increase, \$0.4 billion or 0.2 percent to \$172.3 billion. Inventories of manufactured nondurable goods, down two consecutive months, decreased \$0.1 billion or virtually unchanged to \$329.7 billion. This followed a virtually unchanged June decrease. Food products, down three consecutive months, drove the decrease, \$0.3 billion or 0.4 percent to \$69.4 billion. By stage of fabrication, July materials and supplies increased 0.1 percent in durable goods and 0.4 percent in nondurable goods. Work in process increased 0.3 percent in durable goods and was virtually unchanged in nondurable goods. Finished goods decreased 0.1 percent in durable goods and 0.4 percent in nondurable goods.

The Advance Report on durable goods for August is scheduled for release on September 26, 2024, at 8:30 a.m. EDT and the Full Report on October 3, 2024, at 10:00 a.m. EDT. View the full schedule in the Economic Briefing Room: <www.census.gov/economic-indicators/>. The full text and tables of this release can be found at <www.census.gov/m3>.

Data Inquiries

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

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov



U.S. Department of Commerce
U.S. CENSUS BUREAU
census.gov

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

Data Inquiries

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

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov



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

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

www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html.

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 report. 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 \(census.gov\)](#).

RESOURCES

API

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

www.census.gov/developers/.

FRED Mobile App



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

###

Data Inquiries

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

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov



U.S. Department of Commerce
U.S. CENSUS BUREAU
census.gov

Table 1. Value of Manufacturers' Shipments for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly			Year to date			
	July 2024 ^a	June 2024 ^f	May 2024	June - July	May - June	Apr. - May	July 2024 ^a	June 2024 ^f	May 2024	July 2023	2024 ^b	2023	% Change 2024/2023
All manufacturing industries.....	593,804	588,438	584,836	0.9	0.6	-0.7	578,946	608,246	601,302	552,030	4,079,458	3,996,911	2.1
Excluding transportation.....	494,721	492,707	492,978	0.4	-0.1	-0.7	494,027	506,849	507,320	475,579	3,445,377	3,382,648	1.9
Excluding defense.....	576,596	571,928	567,910	0.8	0.7	-0.7	563,514	591,185	584,570	538,095	3,965,919	3,892,384	1.9
With unfilled orders.....	205,188	200,041	195,592	2.6	2.3	-0.6	192,894	212,340	200,067	180,298	1,375,415	1,348,021	2.0
Durable goods industries.....	291,118	288,007	284,523	1.1	1.2	-0.4	273,576	302,812	291,934	259,904	1,979,420	1,942,011	1.9
Wood products.....	13,106	13,186	13,247	-0.6	-0.5	-0.7	13,503	14,149	14,636	13,509	94,375	94,303	0.1
Nonmetallic mineral products.....	13,203	13,205	13,268	0.0	-0.5	-0.5	14,211	13,890	14,157	13,578	92,202	91,839	0.4
Primary metals.....	26,391	26,519	26,656	-0.5	-0.5	0.0	26,096	27,018	28,087	25,422	189,605	190,037	-0.2
Iron and steel mills.....	14,388	14,458	14,319	-0.5	1.0	-1.9	14,322	14,662	15,157	14,132	104,477	105,365	-0.8
Aluminum and nonferrous metals.....	10,334	10,402	10,633	-0.7	-2.2	2.5	10,164	10,613	11,057	9,802	73,169	72,766	0.6
Ferrous metal foundries.....	1,669	1,659	1,704	0.6	-2.6	0.4	1,610	1,743	1,873	1,488	11,959	11,906	0.4
Fabricated metal products.....	36,305	36,268	36,259	0.1	0.0	-0.1	35,889	37,363	37,742	34,305	255,083	247,343	3.1
Machinery.....	37,823	38,088	37,979	-0.7	0.3	0.0	36,741	40,439	39,482	35,783	267,418	263,534	1.5
Farm machinery.....	2,423	2,540	2,629	-4.6	-3.4	0.6	2,404	2,683	2,741	2,594	19,353	18,412	5.1
Construction machinery.....	4,212	4,344	4,358	-3.0	-0.3	-2.0	4,043	4,649	4,722	4,024	31,438	30,378	3.5
Mining, oil field, and gas field machinery.....	1,619	1,686	1,688	-4.0	-0.1	3.1	1,563	1,685	1,695	1,689	11,354	11,902	-4.6
Industrial machinery.....	3,802	3,755	3,859	1.3	-2.7	-0.3	3,594	4,314	3,698	3,503	26,200	25,009	4.8
Photographic equipment.....	625	649	620	-3.7	4.7	2.6	611	746	629	605	4,381	4,376	0.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,516	5,400	5,250	2.1	2.9	-0.3	5,970	6,209	5,822	5,153	37,507	34,074	10.1
Metalworking machinery.....	2,748	2,674	2,687	2.8	-0.5	-0.5	2,547	2,681	2,662	2,376	18,716	18,712	0.0
Turbines, generators, and other power transmission equipment.....	3,763	3,934	3,886	-4.3	1.2	0.7	3,609	4,012	3,969	3,670	26,887	27,597	-2.6
Material handling equipment.....	3,985	4,001	3,929	-0.4	1.8	0.9	3,774	3,984	4,071	3,703	27,587	27,665	-0.3
Computers and electronic products ²	29,491	29,392	29,507	0.3	-0.4	-0.4	27,584	31,277	27,695	27,506	199,210	197,065	1.1
Computers.....	1,023	995	1,018	2.8	-2.3	-1.1	967	1,161	1,047	854	6,771	5,545	22.1
Computer storage devices.....	424	394	419	7.6	-6.0	0.0	394	505	362	388	2,879	2,721	5.8
Other peripheral equipment.....	822	819	844	0.4	-3.0	0.5	751	929	723	643	5,421	5,138	5.5
Nondefense communications equipment.....	2,878	2,868	2,803	0.3	2.3	-2.2	2,537	3,498	2,477	2,476	19,103	19,074	0.2
Defense communications equipment.....	193	195	200	-1.0	-2.5	-2.0	183	198	189	201	1,330	1,373	-3.1
Audio and video equipment.....	489	463	463	5.6	0.0	-3.9	442	383	466	658	3,058	2,926	4.5
Electronic components.....	4,899	4,936	5,037	-0.7	-2.0	0.9	4,738	5,144	5,093	4,503	34,507	32,537	6.1
Nondefense search and navigation equipment.....	1,675	1,671	1,668	0.2	0.2	-0.9	1,516	1,771	1,637	1,427	11,351	11,074	2.5
Defense search and navigation equipment.....	3,435	3,409	3,437	0.8	-0.8	0.4	3,164	3,548	3,373	3,110	23,183	22,040	5.2
Electromedical, measuring, and control instruments.....	8,779	8,730	8,707	0.6	0.3	-1.0	8,166	9,483	8,096	8,270	58,911	59,650	-1.2
Electrical equipment, appliances, and components.....	14,175	14,136	14,192	0.3	-0.4	-0.1	13,574	15,263	14,477	13,157	98,942	97,038	2.0
Electric lighting equipment.....	1,365	1,368	1,344	-0.2	1.8	-1.2	1,349	1,429	1,390	1,262	9,464	8,886	6.5
Household appliances.....	2,352	2,384	2,319	-1.3	2.8	0.9	2,067	2,609	2,374	1,999	15,878	15,872	0.0
Electrical equipment.....	4,570	4,432	4,575	3.1	-3.1	-2.1	4,330	4,999	4,693	4,365	32,502	32,187	1.0
Batteries.....	1,434	1,476	1,420	-2.8	3.9	8.1	1,371	1,474	1,337	1,227	9,348	8,822	6.0
Transportation equipment.....	99,083	95,731	91,858	3.5	4.2	-1.0	84,919	101,397	93,982	76,451	634,081	614,263	3.2
Automobiles.....	8,952	9,044	9,107	-1.0	-0.7	-0.7	7,265	8,844	9,557	7,096	61,976	60,421	2.6
Light trucks and utility vehicles.....	20,936	22,621	23,432	-7.4	-3.5	1.4	17,203	23,100	23,958	17,488	147,613	142,729	3.4
Heavy duty trucks.....	3,054	3,172	2,979	-3.7	6.5	-5.7	2,977	3,287	3,134	2,775	22,200	20,288	9.4
Motor vehicle bodies, parts, and trailers.....	28,992	29,154	29,200	-0.6	0.5	-0.2	26,632	29,207	30,656	25,511	205,188	202,981	1.1
Nondefense aircraft and parts.....	20,999	16,165	11,451	29.9	41.2	-6.2	16,361	20,809	10,605	10,176	88,579	82,495	7.4
Defense aircraft and parts.....	5,035	4,827	5,122	4.3	-5.8	-1.9	4,569	5,099	5,098	4,243	34,049	32,164	5.9
Ships and boats.....	3,320	3,341	3,347	-0.6	-0.2	-4.0	2,984	3,543	3,557	3,052	24,034	26,208	-8.3
Furniture and related products.....	6,834	6,883	6,887	-0.7	-0.1	0.7	6,988	7,057	6,954	6,723	47,723	47,430	0.6
Miscellaneous durable goods.....	14,707	14,599	14,670	0.7	-0.5	0.2	14,071	14,959	14,722	13,470	100,781	99,159	1.6
Nondurable goods industries.....	302,686	300,431	300,313	0.8	0.0	-1.0	305,370	305,434	309,368	292,126	2,100,038	2,054,900	2.2
Food products.....	81,123	80,657	80,426	0.6	0.3	0.4	79,351	79,818	80,300	76,969	557,234	549,752	1.4
Grain and oilseed milling.....	9,256	9,189	9,214	0.7	-0.3	-1.1	9,179	8,851	9,089	9,436	65,008	68,818	-5.5
Dairy products.....	11,960	11,792	11,813	1.4	-0.2	1.4	11,936	11,651	12,049	11,310	81,880	80,617	1.6
Meat, poultry, and seafood products.....	23,811	23,777	23,708	0.1	0.3	-0.5	23,505	24,515	24,498	23,552	166,637	167,769	-0.7
Beverage and tobacco products.....	20,009	19,619	19,322	2.0	1.5	1.2	20,365	20,143	19,946	17,954	133,750	120,305	11.2
Beverages.....	11,537	11,519	11,478	0.2	0.4	0.8	11,893	12,043	12,102	11,096	79,856	74,637	7.0
Tobacco.....	8,472	8,100	7,844	4.6	3.3	1.7	8,472	8,100	7,844	6,858	53,894	45,668	18.0
Textile mills.....	2,095	2,112	2,098	-0.8	0.7	0.7	2,112	2,210	2,145	2,099	14,697	14,908	-1.4
Textile products.....	1,960	1,964	1,940	-0.2	1.2	-1.7	1,977	2,114	2,019	1,990	13,963	14,178	-1.5
Apparel.....	816	822	828	-0.7	-0.7	1.7	816	772	797	832	5,449	5,654	-3.6
Leather and allied products.....	539	535	528	0.7	1.3	0.6	532	522	546	472	3,821	3,413	12.0
Paper products.....	17,411	17,305	17,290	0.6	0.1	-0.2	17,596	17,365	17,782	16,927	121,510	121,747	-0.2
Pulp, paper, and paperboard mills.....	6,857	6,894	6,907	-0.5	-0.2	-0.1	7,013	6,859	7,040	6,848	48,247	48,696	-0.9
Paperboard containers.....	6,435	6,314	6,283	1.9	0.5	-0.2	6,517	6,338	6,398	6,094	44,403	43,898	1.2
Printing.....	7,349	7,352	7,319	0.0	0.5	-0.3	7,324	7,205	7,421	7,010	50,484	49,986	1.0
Petroleum and coal products.....	64,635	63,942	65,031	1.1	-1.7	-5.9	69,034	66,512	69,341	69,753	459,873	460,857	-0.2
Petroleum refineries.....	59,798	59,052	60,107	1.3	-1.8	-6.3	63,579	61,031	64,068	64,476	426,119	428,129	-0.5
Chemical products.....	81,581	80,984	80,359	0.7	0.8	0.5	81,084	82,895	82,703	74,295	562,545	541,577	3.9
Pesticides, fertilizers, and other agricultural chemicals.....	4,516	4,407	4,251	2.5	3.7	1.6	3,815	4,346	4,544	3,161	31,527	28,945	8.9
Pharmaceuticals and medicines.....	27,326	27,165	27,003	0.6	0.6	0.9	27,243	27,771	27,298	23,601	184,925	168,415	9.8
Paints, coatings, and adhesives.....	4,075	4,095	4,127	-0.5	-0.8	-0.7	4,196	4,244	4,605	4,105	29,567	29,583	-0.1
Plastics and rubber products.....	25,168	25,139	25,172	0.1	-0.1	0.4	25,179	25,878	26,368	23,825	176,712	172,523	2.4

^a Preliminary

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

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

² 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: CDBRB-FY24-0254).

Source: U.S. Census Bureau, Manufacturers' Shipments

Table 2. Value of Manufacturers' New Orders for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	July 2024 ^p	June 2024 ^f	May 2024	June - July	May - June	Apr. - May	July 2024 ^p	June 2024 ^f	May 2024	July 2023	2024 ^p	2023	% Change 2024/2023
All manufacturing industries ²	592,140	563,972	583,300	5.0	-3.3	-0.5	574,594	593,029	594,104	553,738	4,043,465	4,025,937	0.4
Excluding transportation ²	490,085	488,194	487,861	0.4	0.1	-0.7	488,452	500,678	502,678	469,994	3,420,558	3,356,608	1.9
Excluding defense ²	574,404	546,707	566,573	5.1	-3.5	-0.6	560,683	574,215	579,003	542,886	3,935,948	3,913,919	0.6
With unfilled orders ²	208,251	180,341	198,821	15.5	-9.3	0.1	193,128	201,637	196,963	186,837	1,371,118	1,411,003	-2.8
Durable goods industries ²	289,454	263,541	282,987	9.8	-6.9	0.1	269,224	287,595	284,736	261,612	1,943,427	1,971,037	-1.4
Primary metals.....	26,464	26,702	26,823	-0.9	-0.5	-0.3	26,137	26,806	28,097	25,632	190,953	190,632	0.2
Iron and steel mills.....	14,372	14,528	14,243	-1.1	2.0	-1.0	14,395	14,566	15,026	14,373	104,644	106,137	-1.4
Aluminum and nonferrous metals.....	10,434	10,567	10,895	-1.3	-3.0	1.3	10,162	10,673	11,250	9,773	74,350	72,583	2.4
Ferrous metal foundries.....	1,658	1,607	1,685	3.2	-4.6	-3.7	1,580	1,567	1,821	1,486	11,959	11,912	0.4
Fabricated metal products.....	36,243	36,164	36,166	0.2	0.0	0.0	35,754	36,702	38,865	34,293	259,234	251,978	2.9
Machinery.....	37,655	37,720	37,328	-0.2	1.1	-0.7	36,456	39,332	38,195	35,629	266,644	264,432	0.8
Construction machinery.....	4,177	4,482	4,339	-6.8	3.3	-2.1	3,946	4,558	4,440	3,928	30,947	29,730	4.1
Mining, oil field, and gas field machinery.....	1,829	1,544	1,510	18.5	2.3	-12.7	1,773	1,543	1,517	1,603	11,479	11,551	-0.6
Industrial machinery.....	3,745	3,696	3,740	1.3	-1.2	0.5	3,617	4,108	3,508	3,336	25,535	25,354	0.7
Photographic equipment.....	556	589	604	-5.6	-2.5	4.3	517	608	600	562	4,008	4,384	-8.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,414	5,559	5,224	-2.6	6.4	2.9	5,744	6,187	5,707	5,020	37,724	34,784	8.5
Metalworking machinery.....	2,720	2,606	2,629	4.4	-0.9	-2.1	2,578	2,573	2,537	2,563	19,079	18,638	2.4
Turbines, generators, and other power transmission equipment.....	3,808	3,874	3,799	-1.7	2.0	-0.8	3,654	3,952	3,882	3,920	27,298	27,805	-1.8
Material handling equipment.....	4,002	3,737	3,774	7.1	-1.0	-0.8	3,651	3,897	3,756	3,629	26,937	27,797	-3.1
Computers and electronic products ²	25,027	25,100	25,029	-0.3	0.3	0.5	22,599	27,434	23,170	22,204	168,335	163,450	3.0
Computers.....	1,053	1,018	1,017	3.4	0.1	1.1	997	1,184	1,046	866	6,840	5,559	23.0
Nondefense communications equipment.....	2,879	2,909	2,833	-1.0	2.7	1.3	2,259	3,492	2,370	2,266	18,149	18,263	-0.6
Defense communications equipment.....	190	193	199	-1.6	-3.0	-0.5	175	198	185	202	1,303	1,362	-4.3
Electronic components.....	4,888	4,960	5,046	-1.5	-1.7	2.9	4,740	5,081	4,936	4,443	34,158	31,696	7.8
Nondefense search and navigation equipment.....	1,808	1,832	1,837	-1.3	-0.3	2.2	1,644	1,992	1,777	1,524	12,211	12,014	1.6
Defense search and navigation equipment.....	3,463	3,591	3,543	-3.6	1.4	0.8	2,856	4,155	3,122	2,821	24,390	22,856	6.7
Electromedical, measuring, and control instruments.....	8,864	8,775	8,682	1.0	1.1	-1.4	8,201	9,372	8,045	8,248	58,926	59,884	-1.6
Electrical equipment, appliances, and components.....	14,135	14,225	14,129	-0.6	0.7	-0.1	13,490	15,192	14,355	13,254	99,673	98,578	1.1
Electric lighting equipment.....	1,333	1,362	1,326	-2.1	2.7	0.0	1,250	1,571	1,285	1,201	9,556	9,084	5.2
Household appliances.....	2,432	2,430	2,422	0.1	0.3	0.1	2,108	2,566	2,457	2,205	16,302	16,091	1.3
Electrical equipment.....	4,464	4,451	4,471	0.3	-0.4	-2.6	4,354	4,945	4,536	4,404	32,721	33,038	-1.0
Transportation equipment.....	102,055	75,778	95,439	34.7	-20.6	0.6	86,142	92,351	91,426	83,744	622,907	669,329	-6.9
Motor vehicle bodies, parts, and trailers.....	29,091	29,104	28,927	0.0	0.6	-0.3	26,520	28,244	30,024	25,327	203,868	202,456	0.7
Nondefense aircraft and parts ³	23,555	-4,195	15,581	(NA)	-126.9	2.0	19,167	11,611	10,347	20,995	86,733	132,063	-34.3
Defense aircraft and parts.....	5,467	4,842	5,087	12.9	-4.8	15.0	4,524	5,130	4,562	3,425	31,189	36,216	-13.9
Ships and boats.....	3,468	3,439	3,157	0.8	8.9	0.3	2,590	3,644	2,893	2,412	22,134	27,847	-20.5
Furniture and related products.....	6,869	6,857	6,891	0.2	-0.5	1.0	6,871	6,775	7,116	6,380	48,361	47,604	1.6
Nondurable goods industries.....	302,686	300,431	300,313	0.8	0.0	-1.0	305,370	305,434	309,368	292,126	2,100,038	2,054,900	2.2

^p Preliminary

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

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

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

³ (NA) - New Orders 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, July Full Report, September 4, 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>.

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				% Change July 2024/ 2023
	Monthly			Percent Change			Monthly				
	July 2024 ^P	June 2024 ^f	May 2024	June - July	May - June	Apr. - May	July 2024 ^P	June 2024 ^f	May 2024	July 2023	
All manufacturing industries ²	1,386,274	1,383,211	1,402,911	0.2	-1.4	0.2	1,388,914	1,388,680	1,399,383	1,333,278	4.2
Excluding transportation ²	494,021	493,930	493,677	0.0	0.1	-0.1	496,760	497,749	499,406	500,300	-0.7
Excluding defense ²	1,149,729	1,147,194	1,167,649	0.2	-1.8	0.3	1,153,322	1,151,567	1,164,023	1,091,059	5.7
Durable goods industries ²	1,386,274	1,383,211	1,402,911	0.2	-1.4	0.2	1,388,914	1,388,680	1,399,383	1,333,278	4.2
Primary metals.....	39,335	39,262	39,079	0.2	0.5	0.4	39,659	39,618	39,830	38,361	3.4
Iron and steel mills.....	23,263	23,279	23,209	-0.1	0.3	-0.3	23,553	23,480	23,576	23,233	1.4
Aluminum and nonferrous metals.....	11,055	10,955	10,790	0.9	1.5	2.5	11,118	11,120	11,060	10,526	5.6
Ferrous metal foundries.....	5,017	5,028	5,080	-0.2	-1.0	-0.4	4,988	5,018	5,194	4,602	8.4
Fabricated metal products.....	128,855	128,917	129,021	0.0	-0.1	-0.1	130,823	130,958	131,619	131,059	-0.2
Machinery.....	133,286	133,454	133,822	-0.1	-0.3	-0.5	133,550	133,835	134,942	139,255	-4.1
Construction machinery.....	9,536	9,571	9,433	-0.4	1.5	-0.2	9,439	9,536	9,627	10,739	-12.1
Mining, oil field, and gas field machinery.....	4,771	4,561	4,703	4.6	-3.0	-3.6	4,771	4,561	4,703	4,961	-3.8
Industrial machinery.....	10,008	10,065	10,124	-0.6	-0.6	-1.2	10,125	10,102	10,308	12,028	-15.8
Photographic equipment.....	3,289	3,358	3,418	-2.1	-1.8	-0.5	3,176	3,270	3,408	3,851	-17.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	13,645	13,747	13,588	-0.7	1.2	-0.2	13,689	13,915	13,937	13,662	0.2
Metalworking machinery.....	9,197	9,225	9,293	-0.3	-0.7	-0.6	9,297	9,266	9,374	9,710	-4.3
Turbines, generators, and other power transmission equipment.....	33,386	33,341	33,401	0.1	-0.2	-0.3	33,386	33,341	33,401	32,336	3.2
Material handling equipment.....	18,447	18,430	18,694	0.1	-1.4	-0.8	18,362	18,485	18,572	19,372	-5.2
Computers and electronic products ²	136,186	135,923	135,449	0.2	0.3	0.2	136,000	136,399	135,728	134,731	0.9
Computers.....	1,341	1,311	1,288	2.3	1.8	-0.1	1,341	1,311	1,288	1,297	3.4
Nondefense communications equipment.....	17,243	17,242	17,201	0.0	0.2	0.2	16,927	17,205	17,211	16,736	1.1
Defense communications equipment.....	226	229	231	-1.3	-0.9	-0.4	219	227	227	235	-6.8
Electronic components.....	16,129	16,140	16,116	-0.1	0.1	0.1	16,062	16,060	16,123	16,670	-3.6
Nondefense search and navigation equipment.....	32,656	32,523	32,362	0.4	0.5	0.5	32,689	32,561	32,340	31,319	4.4
Defense search and navigation equipment.....	36,423	36,395	36,213	0.1	0.5	0.3	36,630	36,938	36,331	36,339	0.8
Electromedical, measuring, and control instruments.....	32,168	32,083	32,038	0.3	0.1	-0.1	32,132	32,097	32,208	32,135	0.0
Electrical equipment, appliances, and components.....	43,707	43,747	43,658	-0.1	0.2	-0.1	43,926	44,010	44,081	43,955	-0.1
Electric lighting equipment.....	3,764	3,796	3,802	-0.8	-0.2	-0.5	3,785	3,884	3,742	3,901	-3.0
Household appliances.....	6,106	6,026	5,980	1.3	0.8	1.8	5,973	5,932	5,975	4,799	24.5
Electrical equipment.....	21,577	21,683	21,664	-0.5	0.1	-0.5	21,888	21,864	21,918	22,595	-3.1
Transportation equipment.....	892,253	889,281	909,234	0.3	-2.2	0.4	892,154	890,931	899,977	832,978	7.1
Motor vehicle bodies, parts, and trailers.....	34,673	34,574	34,624	0.3	-0.1	-0.3	33,804	33,916	34,879	34,416	-1.8
Nondefense aircraft and parts.....	647,253	644,697	665,057	0.4	-3.1	0.6	649,262	646,456	655,654	580,283	11.9
Defense aircraft and parts.....	70,351	69,919	69,904	0.6	0.0	-0.1	69,858	69,903	69,872	71,354	-2.1
Ships and boats.....	52,293	52,145	52,047	0.3	0.2	-0.4	52,262	52,656	52,555	56,825	-8.0
Furniture and related products.....	10,699	10,664	10,690	0.3	-0.2	0.0	10,849	10,966	11,248	10,916	-0.6

^P Preliminary

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

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

² Data on 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, July Full Report, September 4, 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>.

Table 4. Value of Manufacturers' Inventories for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted					% Change July 2024/ 2023
	Monthly			Percent Change			Monthly					
	July 2024 ^p	June 2024 ^r	May 2024	June - July	May - June	Apr. - May	July 2024 ^p	June 2024 ^r	May 2024	July 2023		
All manufacturing industries.....	859,422	858,851	859,416	0.1	-0.1	0.1	862,342	858,319	865,679	856,380	0.7	
Excluding transportation.....	687,103	686,916	687,169	0.0	0.0	0.0	688,667	687,404	692,544	691,103	-0.4	
Excluding defense.....	828,494	827,829	828,574	0.1	-0.1	0.1	831,425	827,193	834,624	826,980	0.5	
With unfilled orders.....	429,521	429,150	429,642	0.1	-0.1	0.3	432,146	429,650	433,246	424,937	1.7	
Durable goods industries.....	529,686	529,019	529,463	0.1	-0.1	0.2	532,139	528,352	533,828	524,796	1.4	
Wood products.....	16,097	16,052	16,039	0.3	0.1	0.7	15,812	15,780	15,882	15,518	1.9	
Nonmetallic mineral products.....	17,828	17,706	17,522	0.7	1.1	0.3	17,903	17,839	17,841	17,268	3.7	
Primary metals.....	45,533	45,433	45,493	0.2	-0.1	-0.2	45,716	45,754	46,192	46,661	-2.0	
Iron and steel mills.....	26,269	26,220	26,510	0.2	-1.1	-0.8	26,384	26,475	26,793	27,470	-4.0	
Aluminum and nonferrous metals.....	16,060	16,004	15,796	0.3	1.3	0.6	16,171	16,071	16,152	16,110	0.4	
Ferrous metal foundries.....	3,204	3,209	3,187	-0.2	0.7	0.0	3,161	3,208	3,247	3,081	2.6	
Fabricated metal products.....	64,593	64,586	64,564	0.0	0.0	-0.1	65,319	64,968	65,280	65,527	-0.3	
Machinery.....	94,422	94,368	94,421	0.1	-0.1	-0.3	94,027	94,410	95,221	94,256	-0.2	
Farm machinery.....	5,163	5,169	5,221	-0.1	-1.0	-2.8	4,972	5,061	5,240	5,609	-11.4	
Construction machinery.....	10,393	10,193	10,061	2.0	1.3	1.0	10,298	10,115	10,105	9,368	9.9	
Mining, oil field, and gas field machinery.....	5,302	5,270	5,317	0.6	-0.9	-1.5	5,292	5,292	5,353	5,799	-8.7	
Industrial machinery.....	10,887	10,871	10,866	0.1	0.0	-0.9	10,464	11,169	10,922	10,726	-2.4	
Photographic equipment.....	1,385	1,388	1,400	-0.2	-0.9	0.3	1,390	1,358	1,420	1,470	-5.4	
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,840	9,034	9,218	-2.1	-2.0	-1.7	8,725	9,064	9,638	9,633	-9.4	
Metalworking machinery.....	7,681	7,615	7,586	0.9	0.4	-0.1	7,808	7,596	7,639	7,562	3.3	
Turbines, generators, and other power transmission equipment.....	12,567	12,607	12,521	-0.3	0.7	0.3	12,774	12,570	12,675	12,308	3.8	
Material handling equipment.....	8,428	8,353	8,274	0.9	1.0	1.7	8,481	8,303	8,281	7,912	7.2	
Computers and electronic products ²	54,902	54,965	55,106	-0.1	-0.3	0.1	55,194	54,591	55,541	55,395	-0.4	
Computers.....	1,737	1,758	1,823	-1.2	-3.6	-3.1	1,751	1,819	1,877	1,924	-9.0	
Computer storage devices.....	615	622	617	-1.1	0.8	-0.3	635	611	624	639	-0.6	
Other peripheral equipment.....	957	969	965	-1.2	0.4	-0.1	948	948	985	1,043	-9.1	
Nondefense communications equipment.....	4,308	4,320	4,327	-0.3	-0.2	-0.1	4,327	4,292	4,400	4,390	-1.4	
Defense communications equipment.....	645	644	652	0.2	-1.2	-1.2	645	644	652	645	0.0	
Audio and video equipment.....	558	562	557	-0.7	0.9	-1.4	550	568	586	749	-26.6	
Electronic components.....	10,254	10,263	10,357	-0.1	-0.9	1.0	10,352	10,119	10,299	10,777	-3.9	
Nondefense search and navigation equipment.....	4,310	4,301	4,275	0.2	0.6	0.3	4,345	4,251	4,245	4,261	2.0	
Defense search and navigation equipment.....	3,455	3,471	3,488	-0.5	-0.5	0.2	3,467	3,476	3,571	3,365	3.0	
Electromedical, measuring and control instruments.....	19,404	19,410	19,346	0.0	0.3	0.2	19,658	19,378	19,659	19,206	2.4	
Electrical equipment, appliances, and components.....	25,924	25,958	26,087	-0.1	-0.5	0.1	26,157	26,122	26,572	26,581	-1.6	
Electric lighting equipment.....	2,417	2,410	2,412	0.3	-0.1	0.3	2,427	2,410	2,416	2,524	-3.8	
Household appliances.....	3,556	3,544	3,572	0.3	-0.8	-0.5	3,677	3,567	3,663	3,734	-1.5	
Electrical equipment.....	9,825	9,783	9,797	0.4	-0.1	0.1	9,866	9,781	9,977	9,936	-0.7	
Batteries.....	1,950	1,942	1,935	0.4	0.4	-0.2	2,008	2,043	2,033	1,967	2.1	
Transportation equipment.....	172,319	171,935	172,247	0.2	-0.2	0.6	173,675	170,915	173,135	165,277	5.1	
Automobiles.....	5,582	5,594	5,500	-0.2	1.7	2.0	5,798	5,550	5,472	6,032	-3.9	
Light trucks and utility vehicles.....	9,371	9,242	9,394	1.4	-1.6	-4.1	9,353	8,657	9,817	9,236	1.3	
Heavy duty trucks.....	2,967	2,984	3,014	-0.6	-1.0	1.9	2,993	3,029	3,119	2,888	3.6	
Motor vehicle bodies, parts, and trailers.....	36,055	35,837	35,678	0.6	0.4	0.0	36,492	35,389	35,575	36,172	0.9	
Nondefense aircraft and parts.....	83,946	83,706	84,193	0.3	-0.6	1.4	84,475	83,734	84,486	77,803	8.6	
Defense aircraft and parts.....	14,220	14,231	14,149	-0.1	0.6	0.2	14,251	14,208	14,215	14,136	0.8	
Ships and boats.....	4,929	4,929	4,949	0.0	-0.4	0.9	4,866	5,005	5,034	4,613	5.5	
Furniture and related products.....	10,043	10,042	10,054	0.0	-0.1	0.2	10,160	10,179	10,190	10,308	-1.4	
Miscellaneous durable goods.....	28,025	27,974	27,930	0.2	0.2	0.0	28,176	27,974	27,974	28,005	0.6	
Nondurable goods industries.....	329,736	329,832	329,953	0.0	0.0	0.1	330,203	329,967	331,851	331,584	-0.4	
Food products.....	69,351	69,634	69,915	-0.4	-0.4	-0.3	67,917	67,995	68,154	69,832	-2.7	
Grain and oilseed milling.....	6,698	6,776	6,902	-1.2	-1.8	-1.2	6,515	6,631	6,586	7,560	-13.8	
Dairy products.....	10,682	10,749	10,654	-0.6	0.9	0.0	10,987	11,133	10,992	11,119	-0.4	
Meat, poultry, and seafood products.....	12,303	12,325	12,389	-0.2	-0.5	-0.4	12,328	12,040	12,205	13,190	-6.5	
Beverage and tobacco products.....	31,071	31,027	30,942	0.1	0.3	0.1	30,499	30,941	31,137	30,380	0.4	
Beverages.....	27,770	27,689	27,579	0.3	0.4	0.2	27,435	27,742	27,835	26,979	1.7	
Tobacco.....	3,301	3,338	3,363	-1.1	-0.7	-0.4	3,064	3,199	3,302	3,401	-9.9	
Textile mills.....	3,456	3,505	3,517	-1.4	-0.3	-0.5	3,504	3,526	3,536	3,649	-4.0	
Textile products.....	3,625	3,641	3,649	-0.4	-0.2	0.2	3,611	3,618	3,631	3,651	-1.1	
Apparel.....	2,187	2,178	2,167	0.4	0.5	-0.6	2,279	2,236	2,152	2,278	0.0	
Leather and allied products.....	1,314	1,301	1,264	1.0	2.9	1.9	1,344	1,307	1,263	1,284	-0.4	
Paper products.....	17,952	17,973	17,927	-0.1	0.3	-0.1	18,142	18,054	18,023	18,217	-0.4	
Pulp, paper, and paperboard mills.....	5,688	5,682	5,615	0.1	1.2	0.2	5,731	5,695	5,661	5,630	1.8	
Paperboard containers.....	6,778	6,810	6,814	-0.5	-0.1	-0.1	6,848	6,839	6,821	6,932	-1.2	
Printing.....	6,771	6,713	6,694	0.9	0.3	0.4	6,767	6,683	6,681	6,736	0.5	
Petroleum and coal products.....	47,529	47,600	47,836	-0.1	-0.5	0.5	48,899	49,119	49,935	48,251	1.3	
Petroleum refineries.....	40,748	40,860	41,202	-0.3	-0.8	0.5	41,997	42,278	43,147	41,368	1.5	
Chemical products.....	113,333	113,154	112,929	0.2	0.2	0.0	114,057	113,477	114,003	113,423	0.6	
Pesticides, fertilizers, and other agricultural chemicals.....	5,998	5,952	5,982	0.8	-0.5	0.6	5,806	5,708	5,974	5,920	-1.9	
Pharmaceuticals and medicines.....	49,580	49,443	49,264	0.3	0.4	0.1	49,829	50,101	49,771	48,059	3.7	
Paints, coatings, and adhesives.....	5,483	5,451	5,423	0.6	0.5	0.9	5,509	5,473	5,501	5,736	-4.0	
Plastics and rubber products.....	33,147	33,106	33,113	0.1	0.0	0.1	33,184	33,011	33,336	33,883	-2.1	

^p Preliminary

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

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

² 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-6000307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254). Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, July Full Report, September 4, 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>.

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						% Change ⁶
	Monthly			Percent Change			Monthly			Year to date			
	July 2024 ^p	June 2024 ^f	May 2024	June - July	May - June	Apr. - May	July 2024 ^p	June 2024 ^f	May 2024	July 2023	2024 ^p	2023	
SHIPMENTS													
All manufacturing industries.....	593,804	588,438	584,836	0.9	0.6	-0.7	578,946	608,246	601,302	552,030	4,079,458	3,996,911	2.1
Construction materials and supplies.....	62,409	62,475	62,494	-0.1	0.0	-0.4	65,129	66,356	67,315	62,801	440,406	434,267	1.4
Information technology.....	24,944	24,815	24,859	0.5	-0.2	-0.8	23,328	27,117	23,820	23,081	169,138	166,219	1.8
Computers and related products.....	2,269	2,208	2,281	2.8	-3.2	-0.3	2,112	2,595	2,132	1,885	15,071	13,404	12.4
Motor vehicle and parts.....	61,934	63,991	64,538	-3.2	-0.8	0.0	54,077	64,438	67,305	52,870	436,977	426,419	2.5
Capital goods.....	104,469	99,673	95,132	4.8	4.8	-1.2	95,227	109,526	94,283	87,035	668,132	652,449	2.4
Nondefense capital goods ³	89,782	85,603	80,635	4.9	6.2	-1.4	82,184	95,055	79,952	75,142	571,269	562,892	1.5
Excluding aircraft.....	73,688	73,909	73,890	-0.3	0.0	-0.6	70,396	78,754	73,931	69,108	515,473	510,834	0.9
Defense capital goods ⁴	14,687	14,070	14,497	4.4	-2.9	0.3	13,043	14,471	14,331	11,893	96,863	89,557	8.2
Consumer goods.....	250,172	250,189	251,488	0.0	-0.5	-1.2	246,235	253,397	258,318	238,277	1,735,152	1,693,218	2.5
Consumer durable goods.....	45,269	47,044	47,958	-3.8	-1.9	0.5	38,853	47,855	49,499	38,814	315,981	309,514	2.1
Consumer nondurable goods.....	204,903	203,145	203,530	0.9	-0.2	-1.6	207,382	205,542	208,819	199,463	1,419,171	1,383,704	2.6
NEW ORDERS													
All manufacturing industries ⁵	592,140	563,972	583,300	5.0	-3.3	-0.5	574,594	593,029	594,104	553,738	4,043,465	4,025,937	0.4
Construction materials and supplies.....	62,240	62,565	62,293	-0.5	0.4	-0.2	64,504	66,160	67,934	62,178	443,627	438,066	1.3
Information technology.....	25,167	25,235	25,077	-0.3	0.6	0.0	22,783	27,597	23,574	22,540	169,931	167,681	1.3
Computers and related products.....	2,299	2,231	2,280	3.0	-2.1	0.7	2,142	2,618	2,131	1,897	15,140	13,418	12.8
Motor vehicle and parts.....	62,033	63,941	64,445	-3.0	-0.8	0.0	53,965	63,475	66,673	52,686	435,657	425,894	2.3
Capital goods.....	107,132	79,698	97,824	34.4	-18.5	0.0	95,778	100,583	90,879	93,569	659,429	708,659	-6.9
Nondefense capital goods ³	92,140	64,880	84,064	42.0	-22.8	-0.4	84,389	84,494	78,649	85,024	569,140	613,855	-7.3
Excluding aircraft.....	73,628	73,690	73,284	-0.1	0.6	-0.9	69,810	77,454	72,879	68,342	515,214	512,484	0.5
Defense capital goods ⁴	14,992	14,818	13,760	1.2	7.7	2.1	11,389	16,089	12,230	8,545	90,289	94,804	-4.8
Consumer goods.....	250,286	250,233	251,570	0.0	-0.5	-1.2	246,413	253,176	258,298	238,448	1,735,656	1,693,309	2.5
Consumer durable goods.....	45,383	47,088	48,040	-3.6	-2.0	0.4	39,031	47,634	49,479	38,985	316,485	309,605	2.2
Consumer nondurable goods.....	204,903	203,145	203,530	0.9	-0.2	-1.6	207,382	205,542	208,819	199,463	1,419,171	1,383,704	2.6
UNFILLED ORDERS													
All manufacturing industries ⁵	1,386,274	1,383,211	1,402,911	0.2	-1.4	0.2	1,388,914	1,388,680	1,399,383	1,333,278	(X)	(X)	4.2
Construction materials and supplies.....	98,635	98,804	98,714	-0.2	0.1	-0.2	100,267	100,892	101,088	101,546	(X)	(X)	-1.3
Information technology.....	135,606	135,383	134,963	0.2	0.3	0.2	135,394	135,939	135,459	134,572	(X)	(X)	0.6
Computers and related products.....	1,341	1,311	1,288	2.3	1.8	-0.1	1,341	1,311	1,288	1,297	(X)	(X)	3.4
Motor vehicle and parts.....	34,673	34,574	34,624	0.3	-0.1	-0.3	33,804	33,916	34,879	34,416	(X)	(X)	-1.8
Capital goods.....	1,042,718	1,040,055	1,060,030	0.3	-1.9	0.3	1,044,443	1,043,892	1,052,835	990,096	(X)	(X)	5.5
Nondefense capital goods ³	839,758	837,400	858,123	0.3	-2.4	0.4	842,387	840,182	850,743	779,607	(X)	(X)	8.1
Excluding aircraft.....	265,940	266,000	266,219	0.0	-0.1	-0.2	266,398	266,984	268,284	272,330	(X)	(X)	-2.2
Defense capital goods ⁴	202,960	202,655	201,907	0.2	0.4	-0.4	202,056	203,710	202,092	210,489	(X)	(X)	-4.0
Consumer goods.....	13,273	13,159	13,115	0.9	0.3	0.6	13,111	12,933	13,154	11,969	(X)	(X)	9.5
Consumer durable goods.....	13,273	13,159	13,115	0.9	0.3	0.6	13,111	12,933	13,154	11,969	(X)	(X)	9.5
TOTAL INVENTORIES													
All manufacturing industries.....	859,422	858,851	859,416	0.1	-0.1	0.1	862,342	858,319	865,679	856,380	(X)	(X)	0.7
Construction materials and supplies.....	92,984	92,932	92,777	0.1	0.2	0.1	93,034	93,039	93,986	92,903	(X)	(X)	0.1
Information technology.....	45,710	45,884	45,981	-0.4	-0.2	0.0	46,046	45,807	46,664	46,267	(X)	(X)	-0.5
Computers and related products.....	3,309	3,349	3,405	-1.2	-1.6	-1.8	3,334	3,378	3,486	3,606	(X)	(X)	-7.5
Motor vehicle and parts.....	53,975	53,657	53,586	0.6	0.1	-0.5	54,636	52,625	53,983	54,328	(X)	(X)	0.6
Capital goods.....	258,140	257,864	258,192	0.1	-0.1	0.5	258,843	258,229	260,284	250,233	(X)	(X)	3.4
Nondefense capital goods ³	232,588	232,220	232,719	0.2	-0.2	0.5	233,333	232,458	234,664	226,073	(X)	(X)	3.2
Excluding aircraft.....	163,253	163,033	162,928	0.1	0.1	0.0	163,642	163,150	164,533	162,294	(X)	(X)	0.8
Defense capital goods ⁴	25,552	25,644	25,473	-0.4	0.7	0.0	25,510	25,771	25,620	24,160	(X)	(X)	5.6
Consumer goods.....	253,047	253,149	253,609	0.0	-0.2	-0.1	253,170	252,789	254,991	254,021	(X)	(X)	-0.3
Consumer durable goods.....	40,860	40,763	40,947	0.2	-0.4	-0.8	41,211	39,986	41,427	42,348	(X)	(X)	-2.7
Consumer nondurable goods.....	212,187	212,386	212,662	-0.1	-0.1	0.1	211,959	212,803	213,564	211,673	(X)	(X)	0.1

^x Not Applicable

^p Preliminary

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

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

² Topical series are regroupings of the separate industry categories.

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

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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

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, July Full Report, September 4, 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>.

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group¹

[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 July 2024/ 2023
	July 2024 ^p	June 2024 ^f	May 2024	June - July	May - June	Apr. - May	July 2024 ^p	June 2024 ^f	May 2024	July 2023	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	312,376	311,793	312,785	0.2	-0.3	0.1	314,298	311,210	313,536	316,992	-0.8
Durable goods industries.....	195,534	195,419	196,344	0.1	-0.5	0.0	197,233	194,916	196,652	199,185	-1.0
Wood products.....	7,621	7,607	7,633	0.2	-0.3	0.1	7,509	7,422	7,413	7,472	0.5
Nonmetallic mineral products.....	7,986	7,954	7,910	0.4	0.6	0.8	8,004	7,973	7,965	7,732	3.5
Primary metals.....	19,392	19,289	19,347	0.5	-0.3	0.7	19,519	19,498	19,577	18,908	3.2
Fabricated metal products.....	24,403	24,463	24,656	-0.2	-0.8	-0.3	24,718	24,612	24,730	24,642	0.3
Machinery.....	39,950	40,056	40,085	-0.3	-0.1	0.1	40,383	39,972	40,248	40,970	-1.4
Computers and electronic products.....	26,601	26,599	26,884	0.0	-1.1	-0.7	26,719	26,463	26,994	26,960	-0.9
Electrical equipment, appliances, and components.....	12,522	12,460	12,530	0.5	-0.6	0.0	12,670	12,494	12,674	12,835	-1.3
Transportation equipment.....	42,242	42,146	42,392	0.2	-0.6	0.3	42,778	41,646	42,054	44,509	-3.9
Furniture and related products.....	5,230	5,201	5,217	0.6	-0.3	0.6	5,262	5,266	5,339	5,268	-0.1
Miscellaneous products.....	9,587	9,644	9,690	-0.6	-0.5	-0.1	9,671	9,570	9,658	9,889	-2.2
Nondurable goods industries.....	116,842	116,374	116,441	0.4	-0.1	0.3	117,065	116,294	116,884	117,807	-0.6
Food products.....	25,721	25,568	25,868	0.6	-1.2	-0.3	25,338	25,238	25,503	25,777	-1.7
Beverage and tobacco products.....	6,217	6,207	6,139	0.2	1.1	0.5	5,947	6,074	6,114	6,112	-2.7
Textiles.....	1,486	1,480	1,487	0.4	-0.5	-0.9	1,502	1,490	1,497	1,476	1.8
Textile products.....	1,672	1,682	1,670	-0.6	0.7	-0.1	1,673	1,676	1,665	1,707	-2.0
Apparel.....	629	633	613	-0.6	3.3	1.2	648	642	611	582	11.3
Leather and allied products.....	378	379	371	-0.3	2.2	-0.8	390	379	379	396	-1.5
Paper products.....	9,323	9,355	9,351	-0.3	0.0	0.1	9,424	9,353	9,339	9,493	-0.7
Printing.....	3,550	3,473	3,470	2.2	0.1	0.4	3,552	3,450	3,441	3,480	2.1
Petroleum and coal products.....	14,399	14,195	14,310	1.4	-0.8	1.0	14,680	14,831	14,855	13,855	6.0
Chemical products.....	39,172	39,096	38,849	0.2	0.6	0.4	39,524	39,000	39,112	39,897	-0.9
Plastics and rubber products.....	14,295	14,306	14,313	-0.1	0.0	0.5	14,387	14,161	14,375	15,032	-4.3
WORK IN PROCESS											
All manufacturing industries.....	251,719	251,071	251,019	0.3	0.0	0.7	252,849	251,421	253,276	241,276	4.8
Durable goods industries.....	187,944	187,311	186,772	0.3	0.3	0.8	188,362	187,466	188,522	177,378	6.2
Wood products.....	1,871	1,834	1,839	2.0	-0.3	1.2	1,845	1,820	1,824	1,793	2.9
Nonmetallic mineral products.....	1,850	1,835	1,821	0.8	0.8	1.1	1,872	1,857	1,869	1,746	7.2
Primary metals.....	11,876	11,869	11,742	0.1	1.1	0.1	11,970	11,974	11,959	12,394	-3.4
Fabricated metal products.....	17,327	17,376	17,314	-0.3	0.4	0.0	17,441	17,395	17,548	17,151	1.7
Machinery.....	24,654	24,378	24,264	1.1	0.5	-0.4	24,321	24,591	24,762	23,897	1.8
Computers and electronic products.....	14,095	14,089	14,069	0.0	0.1	1.6	13,992	13,914	14,265	13,757	1.7
Electrical equipment, appliances, and components.....	4,799	4,830	4,843	-0.6	-0.3	0.6	4,873	4,912	4,986	4,706	3.5
Transportation equipment.....	104,936	104,599	104,431	0.3	0.2	1.2	105,460	104,486	104,801	95,651	10.3
Furniture and related products.....	1,458	1,453	1,422	0.3	2.2	-0.2	1,465	1,475	1,430	1,477	-0.8
Miscellaneous products.....	5,078	5,048	5,027	0.6	0.4	0.0	5,123	5,042	5,078	4,806	6.6
Nondurable goods industries.....	63,775	63,760	64,247	0.0	-0.8	0.6	64,487	63,955	64,754	63,898	0.9
Food products.....	5,666	5,769	5,786	-1.8	-0.3	-2.4	5,278	5,410	5,355	7,106	-25.7
Beverage and tobacco products.....	11,842	11,803	11,732	0.3	0.6	0.7	11,604	11,611	11,666	10,926	6.2
Textiles.....	554	567	562	-2.3	0.9	0.9	564	567	565	584	-3.4
Textile products.....	474	475	481	-0.2	-1.2	2.8	471	467	472	452	4.2
Apparel.....	312	316	322	-1.3	-1.9	-0.3	319	324	321	307	3.9
Leather and allied products.....	136	136	133	0.0	2.3	1.5	139	135	131	142	-2.1
Paper products.....	1,845	1,841	1,854	0.2	-0.7	-0.1	1,883	1,857	1,878	1,823	3.3
Printing.....	1,165	1,178	1,192	-1.1	-1.2	2.0	1,164	1,147	1,171	1,152	1.0
Petroleum and coal products.....	17,908	17,817	17,850	0.5	-0.2	0.4	18,544	18,172	18,544	17,255	7.5
Chemical products.....	19,953	19,964	20,398	-0.1	-2.1	1.6	20,605	20,418	20,680	20,300	1.5
Plastics and rubber products.....	3,920	3,894	3,937	0.7	-1.1	0.4	3,916	3,847	3,971	3,851	1.7
FINISHED GOODS											
All manufacturing industries.....	295,327	295,987	295,612	-0.2	0.1	-0.4	295,195	295,688	298,867	298,112	-1.0
Durable goods industries.....	146,208	146,289	146,347	-0.1	0.0	-0.4	146,544	145,970	148,654	148,233	-1.1
Wood products.....	6,605	6,611	6,567	-0.1	0.7	1.2	6,458	6,538	6,645	6,253	3.3
Nonmetallic mineral products.....	7,992	7,917	7,791	0.9	1.6	-0.5	8,027	8,009	8,007	7,790	3.0
Primary metals.....	14,265	14,275	14,404	-0.1	-0.9	-1.6	14,227	14,282	14,656	15,359	-7.4
Fabricated metal products.....	22,863	22,747	22,594	0.5	0.7	0.2	23,160	22,961	23,002	23,734	-2.4
Machinery.....	29,818	29,934	30,072	-0.4	-0.5	-0.5	29,323	29,847	30,211	29,389	-0.2
Computers and electronic products.....	14,206	14,277	14,153	-0.5	0.9	0.1	14,483	14,214	14,282	14,678	-1.3
Electrical equipment, appliances, and components.....	8,603	8,668	8,714	-0.7	-0.5	0.1	8,614	8,716	8,912	9,040	-4.7
Transportation equipment.....	25,141	25,190	25,424	-0.2	-0.9	-1.0	25,437	24,783	26,280	25,117	1.3
Furniture and related products.....	3,355	3,388	3,415	-1.0	-0.8	-0.4	3,433	3,438	3,421	3,563	-3.6
Miscellaneous products.....	13,360	13,282	13,213	0.6	0.5	0.2	13,382	13,182	13,238	13,310	0.5
Nondurable goods industries.....	149,119	149,698	149,265	-0.4	0.3	-0.4	148,651	149,718	150,213	149,879	-0.8
Food products.....	37,964	38,297	38,261	-0.9	0.1	0.1	37,301	37,347	37,296	36,949	1.0
Beverage and tobacco products.....	13,012	13,017	13,071	0.0	-0.4	-0.6	12,948	13,256	13,357	13,342	-3.0
Textiles.....	1,416	1,458	1,468	-2.9	-0.7	-0.7	1,438	1,469	1,474	1,589	-9.5
Textile products.....	1,479	1,484	1,498	-0.3	-0.9	-0.3	1,467	1,475	1,494	1,492	-1.7
Apparel.....	1,246	1,229	1,232	1.4	-0.2	-1.4	1,312	1,270	1,220	1,389	-5.5
Leather and allied products.....	800	786	760	1.8	3.4	3.3	815	793	760	746	9.2
Paper products.....	6,784	6,777	6,722	0.1	0.8	-0.4	6,835	6,844	6,806	6,901	-1.0
Printing.....	2,056	2,062	2,032	-0.3	1.5	-0.6	2,051	2,086	2,069	2,104	-2.5
Petroleum and coal products.....	15,222	15,588	15,676	-2.3	-0.6	0.1	15,675	16,116	16,536	17,141	-8.6
Chemical products.....	54,208	54,094	53,682	0.2	0.8	-0.8	53,928	54,059	54,211	53,226	1.3
Plastics and rubber products.....	14,932	14,906	14,863	0.2	0.3	-0.3	14,881	15,003	14,990	15,000	-0.8

^p Preliminary

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

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

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: CDBR8-FY24-0254).

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

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group ¹

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ²			
	Jul 2024 ^a	Jun 2024 ^a	May 2024	Apr 2024	Jul 2024 ^a	Jun 2024 ^a	May 2024	Apr 2024
	All manufacturing industries ³	1.45	1.46	1.47	1.46	(X)	(X)	(X)
Durable goods industries ³	1.82	1.84	1.86	1.85	6.76	6.91	7.17	7.11
Wood products.....	1.23	1.22	1.21	1.19	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.35	1.34	1.32	1.31	(X)	(X)	(X)	(X)
Primary metals.....	1.73	1.71	1.71	1.71	1.49	1.48	1.47	1.46
Fabricated metal products.....	1.78	1.78	1.78	1.78	3.64	3.64	3.65	3.65
Machinery.....	2.50	2.48	2.49	2.49	3.86	3.85	3.89	3.91
Computers and electronic products ³	1.86	1.87	1.87	1.86	5.95	5.96	5.92	5.88
Electrical equipment, appliances, and components.....	1.83	1.84	1.84	1.83	3.43	3.46	3.42	3.39
Transportation equipment.....	1.74	1.80	1.88	1.85	13.49	14.60	16.14	15.80
Furniture and related products.....	1.47	1.46	1.46	1.47	1.78	1.75	1.76	1.78
Miscellaneous products.....	1.91	1.92	1.90	1.91	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.09	1.10	1.10	1.09	(X)	(X)	(X)	(X)
Food products.....	0.85	0.86	0.87	0.88	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.55	1.58	1.60	1.62	(X)	(X)	(X)	(X)
Textiles.....	1.65	1.66	1.68	1.70	(X)	(X)	(X)	(X)
Textile products.....	1.85	1.85	1.88	1.85	(X)	(X)	(X)	(X)
Apparel.....	2.68	2.65	2.62	2.68	(X)	(X)	(X)	(X)
Leather and allied products.....	2.44	2.43	2.39	2.36	(X)	(X)	(X)	(X)
Paper products.....	1.03	1.04	1.04	1.04	(X)	(X)	(X)	(X)
Printing.....	0.92	0.91	0.91	0.91	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.74	0.74	0.74	0.69	(X)	(X)	(X)	(X)
Chemical products.....	1.39	1.40	1.41	1.41	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.32	1.32	1.32	1.32	(X)	(X)	(X)	(X)

X Not Applicable

^a Preliminary

² Revised data due to late receipts and concurrent seasonal adjustment.

³ Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

¹ Unfilled orders to shipments ratio excludes semiconductor manufacturing.

² 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, July Full Report, September 4, 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>.

Table 8. Revisions to Previously Published Monthly Percent Changes ¹

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Jul ² 2024	Jul ¹ 2023- Jun 2024	Jul ² 2024	Jul ¹ 2023- Jun 2024	Jul ² 2024	Jul ¹ 2023- Jun 2024	Jul ² 2024	Jul ¹ 2023- Jun 2024
	All manufacturing industries.....	(X)	0.2	(X)	0.2	(X)	0.1	(X)
Durable goods industries.....	0.0	0.1	-0.1	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.....	0.0	0.2	0.0	0.3	0.0	0.1	0.0	0.2
Fabricated metal products.....	0.0	0.1	0.0	0.2	0.0	0.1	0.0	0.1
Machinery.....	0.0	0.2	-0.2	0.4	0.0	0.1	0.0	0.2
Computers and electronic products.....	0.3	0.1	0.4	0.3	0.0	0.0	-0.1	0.1
Electrical equipment, appliances, and components.....	-0.1	0.4	-0.2	0.9	-0.1	0.2	-0.3	0.2
Transportation equipment.....	-0.1	0.3	-0.1	1.1	0.0	0.1	0.1	0.1
Furniture and related products.....	(X)	0.3	(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)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.5
Petroleum and coal products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Plastics and rubber products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable

NA Not Available

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

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

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

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

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, July Full Report, September 4, 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>.