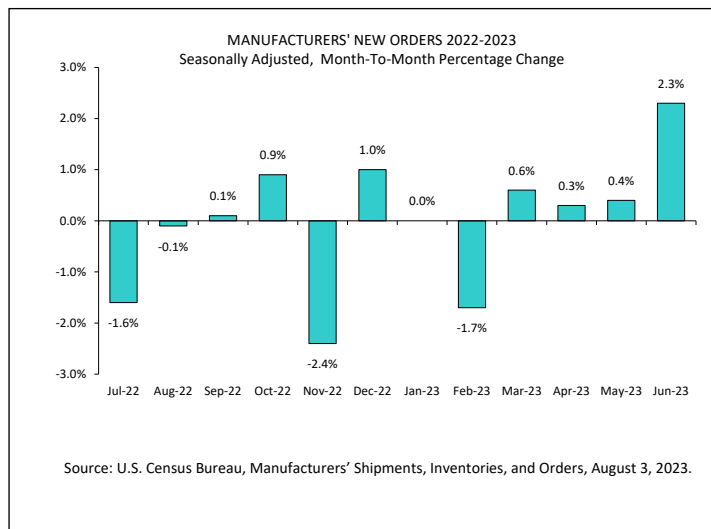


MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS JUNE 2023

Release Number: CB 23-117 M3-2 (23)-06

August 3, 2023 — The U.S. Census Bureau announces the June full report on manufacturers' shipments, inventories and orders:

MANUFACTURED GOODS – NEW ORDERS		
JUNE 2023	\$592.0 billion	+2.3%°
MAY 2023 (revised)	\$578.6 billion	+0.4%°
Next release: September 5, 2023		
<small>Data adjusted for seasonal variation but not for price changes. Statistical significance is not measurable for this survey. The Manufacturers' Shipments, Inventories, and Orders estimates are not based on a probability sample, so the sampling error of these estimates cannot be measured, nor can the confidence intervals be computed. Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories and Orders, August 3, 2023.</small>		



Summary

New orders for manufactured goods in June, up six of the last seven months, increased \$13.4 billion or 2.3 percent to \$592.0 billion, the U.S. Census Bureau reported today. This followed a 0.4 percent May increase. Shipments, up two consecutive months, increased \$0.7 billion or 0.1 percent to \$573.9 billion. This followed a 0.4 percent May increase. Unfilled orders, up six of the last seven months, increased \$23.1 billion or 1.8 percent to \$1,325.1 billion. This followed a 0.8 percent May increase. The unfilled orders-to-shipments ratio was 6.74, up from 6.64 in May. Inventories, down four of the last five months, decreased \$0.3 billion or virtually unchanged to \$853.1 billion. This followed a 0.2 percent May decrease. The inventories-to-shipments ratio was 1.49, unchanged from May.

New Orders

New orders for manufactured durable goods in June, up four consecutive months, increased \$13.2 billion or 4.6 percent to \$302.1 billion, down from the previously published 4.7 percent increase. This followed a 2.0 percent May increase. Transportation equipment, also up four consecutive months, led the increase, \$12.3 billion or 12.0 percent to \$115.2 billion. New orders for manufactured nondurable goods increased \$0.2 billion or 0.1 percent to \$290.0 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



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

Shipments

Shipments of manufactured durable goods in June, up three of the last four months, increased \$0.5 billion or 0.2 percent to \$284.0 billion, down from the previously published 0.3 percent increase. This followed a 2.0 percent May increase. Fabricated metal products, up four of the last five months, led the increase, \$0.4 billion or 1.2 percent to \$35.8 billion. Shipments of manufactured nondurable goods, up following four consecutive monthly decreases, increased \$0.2 billion or 0.1 percent to \$290.0 billion. This followed a 1.1 percent May decrease. Beverage and tobacco products, up seven of the last eight months, drove the increase, \$0.4 billion or 2.5 percent to \$17.9 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in June, up six of the last seven months, increased \$23.1 billion or 1.8 percent to \$1,325.1 billion, unchanged from the previously published increase. This followed a 0.8 percent May increase. Transportation equipment, also up six of the last seven months, led the increase, \$23.0 billion or 2.9 percent to \$826.9 billion.

Inventories

Inventories of manufactured durable goods in June, up six of the last seven months, increased \$0.7 billion or 0.1 percent to \$523.4 billion, unchanged from the previously published increase. This followed a 0.2 percent May increase. Machinery, up thirty-two consecutive months, led the increase, \$0.4 billion or 0.4 percent to \$94.9 billion. Inventories of manufactured nondurable goods, down seven of the last eight months, decreased \$1.0 billion or 0.3 percent to \$329.7 billion. This followed a 0.9 percent May decrease. Petroleum and coal products, also down seven of the last eight months, led the decrease, \$0.4 billion or 0.8 percent to \$44.0 billion. By stage of fabrication, June materials and supplies increased 0.2 percent in durable goods and decreased 0.2 percent in nondurable goods. Work in process decreased 0.2 percent in durable goods and was virtually unchanged in nondurable goods. Finished goods increased 0.4 percent in durable goods and decreased 0.5 percent in nondurable goods.

The Advance Report on durable goods for July is scheduled for release on August 24, 2023, at 8:30 a.m. EDT and the Full Report on September 5, 2023, 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>.

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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-FY23-0265).

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.

Benchmark notice

Revised historical data from the Manufacturers' Shipments, Inventories, and Orders (M3) Survey were issued on May 12, 2023. These revisions result from

- Benchmarking the M3 shipments and inventories data to the 2021 and 2020 Annual Survey of Manufactures (ASM) data;
- Incorporating the unfilled orders to shipments ratios obtained for 2021, 2020, and 2019 from the Manufacturers' Unfilled Orders (M3UFO) Survey;
- Adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- Correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data;
- Updating the seasonally adjusted data based on the results of benchmarking and the recent annual review of the seasonal adjustment models.

These revisions spanned the seasonally adjusted data for January 2012 through March 2023 and the data not seasonally adjusted for January 2017 through March 2023. An updated Press Release contains revised monthly tables for January 2023 through March 2023.

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/>.

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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 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		
	June 2023 ^p	May 2023 ^f	Apr. 2023	May - June	Apr. - May	Mar. - Apr.	June 2023 ^p	May 2023 ^f	Apr. 2023	June 2022	2023 ^p	2022	% Change 2023/ 2022
All manufacturing industries.....	573,925	573,181	571,029	0.1	0.4	-0.6	610,022	588,352	557,840	625,963	3,445,206	3,417,207	0.8
Excluding transportation.....	481,706	481,128	483,376	0.1	-0.5	-0.5	508,842	496,388	475,310	536,020	2,907,411	2,934,243	-0.9
Excluding defense.....	558,112	557,732	555,414	0.1	0.4	-0.8	593,369	573,290	543,055	610,847	3,354,621	3,333,848	0.6
With unfilled orders.....	196,711	195,943	192,445	0.4	1.8	-0.8	214,962	199,334	185,156	205,268	1,167,643	1,116,551	4.6
Durable goods industries.....	283,957	283,412	277,924	0.2	2.0	-0.6	307,892	288,023	267,057	295,504	1,682,117	1,609,509	4.5
Wood products.....	13,334	13,385	13,285	-0.4	0.8	-1.0	14,662	14,634	13,843	14,900	80,809	83,068	-2.7
Nonmetallic mineral products.....	13,278	13,297	13,136	-0.1	1.2	0.3	14,740	14,169	12,728	14,522	78,249	76,197	2.7
Primary metals.....	26,937	26,912	26,772	0.1	0.5	-0.1	28,473	28,154	26,647	29,795	164,625	167,225	-1.6
Iron and steel mills.....	14,928	14,942	14,926	-0.1	0.1	-0.2	15,746	15,848	14,817	16,105	91,249	89,734	1.7
Aluminum and nonferrous metals.....	10,362	10,320	10,190	0.4	1.3	0.3	10,900	10,537	10,165	11,890	62,955	67,783	-7.1
Ferrous metal foundries.....	1,647	1,650	1,656	-0.2	-0.4	-2.1	1,827	1,769	1,665	1,800	10,421	9,708	7.3
Fabricated metal products.....	35,761	35,327	35,246	1.2	0.2	-0.4	37,994	36,874	34,629	38,264	213,137	214,216	-0.5
Machinery.....	37,749	37,696	37,579	0.1	0.3	0.8	41,375	39,077	36,722	40,112	227,698	219,418	3.8
Farm machinery.....	2,601	2,549	2,465	2.0	3.4	2.9	2,709	2,690	2,883	3,565	15,818	21,201	-25.4
Construction machinery.....	4,382	4,350	4,181	0.7	4.0	-0.9	4,916	4,605	4,281	4,153	26,355	21,831	20.7
Mining, oil field, and gas field machinery.....	1,680	1,800	1,767	-6.7	1.9	5.7	1,693	1,807	1,661	1,506	10,211	8,374	21.9
Industrial machinery.....	3,656	3,351	3,593	9.1	-6.7	-4.5	4,244	3,194	3,324	4,247	21,501	21,930	-2.0
Photographic equipment.....	656	663	636	-1.1	4.2	1.9	750	677	539	714	3,771	3,651	3.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,797	4,864	4,740	-1.4	2.6	1.5	5,917	5,415	4,527	5,609	28,932	27,095	6.8
Metalworking machinery.....	2,599	2,764	2,854	-6.0	-3.2	5.1	2,758	2,761	2,615	2,952	16,288	16,549	-1.6
Turbines, generators, and other power transmission equipment.....	4,020	4,076	4,096	-1.4	-0.5	0.4	4,081	4,248	4,021	3,592	23,927	21,184	12.9
Material handling equipment.....	4,176	4,062	3,927	2.8	3.4	2.7	4,365	4,204	3,751	3,724	23,962	21,778	10.0
Computers and electronic products ²	29,279	29,245	29,107	0.1	0.5	-0.4	31,367	27,436	26,418	31,107	169,560	165,148	2.7
Computers.....	814	843	811	-3.4	3.9	2.4	992	836	770	899	4,691	4,280	9.6
Computer storage devices.....	376	428	420	-12.1	1.9	11.1	500	371	384	493	2,333	2,111	10.5
Other peripheral equipment.....	858	781	826	9.9	-5.4	-0.1	971	643	651	668	4,495	3,045	47.6
Nondefense communications equipment.....	2,815	2,780	2,833	1.3	-1.9	-1.8	3,515	2,509	2,458	3,635	16,599	16,713	-0.7
Defense communications equipment....	198	205	206	-3.4	-0.5	1.5	200	192	200	201	1,172	1,132	3.5
Audio and video equipment.....	494	477	378	3.6	26.2	0.3	434	471	312	303	2,268	2,410	-5.9
Electronic components.....	4,713	4,675	4,554	0.8	2.7	-3.1	5,030	4,739	4,288	5,035	28,033	27,540	1.8
Nondefense search and navigation equipment.....	1,629	1,649	1,645	-1.2	0.2	1.4	1,756	1,623	1,479	1,755	9,647	9,468	1.9
Defense search and navigation equipment.....	3,285	3,292	3,250	-0.2	1.3	1.7	3,397	3,237	3,151	3,295	18,930	18,384	3.0
Electromedical, measuring, and control instruments.....	8,928	8,893	8,900	0.4	-0.1	0.4	9,734	8,337	8,157	9,677	51,380	50,565	1.6
Electrical equipment, appliances, and components.....	14,025	14,048	13,907	-0.2	1.0	-1.1	15,593	14,308	13,352	14,621	83,841	77,094	8.8
Electric lighting equipment.....	1,317	1,296	1,275	1.6	1.6	0.0	1,401	1,353	1,230	1,275	7,627	7,104	7.4
Household appliances.....	2,351	2,365	2,311	-0.6	2.3	-0.8	2,602	2,429	2,156	2,746	13,873	13,992	-0.9
Electrical equipment.....	4,480	4,559	4,549	-1.7	0.2	-0.6	5,275	4,631	4,300	4,727	27,675	23,799	16.3
Batteries.....	1,355	1,297	1,331	4.5	-2.6	-5.8	1,415	1,267	1,237	996	7,658	5,493	39.4
Transportation equipment.....	92,219	92,053	87,653	0.2	5.0	-1.6	101,180	91,964	82,530	89,943	537,795	482,964	11.4
Automobiles.....	9,101	9,157	8,887	-0.6	3.0	0.0	9,442	9,430	8,457	8,258	53,325	47,230	12.9
Light trucks and utility vehicles.....	21,624	21,761	20,564	-0.6	5.8	-0.6	22,888	21,024	18,810	22,056	125,241	115,284	8.6
Heavy duty trucks	3,000	2,977	2,884	0.8	3.2	8.4	3,243	3,127	2,731	2,600	17,525	14,133	24.0
Motor vehicle bodies, parts, and trailers.....	29,035	28,913	28,868	0.4	0.2	-0.5	30,568	30,288	28,239	29,516	177,433	169,740	4.5
Nondefense aircraft and parts.....	13,834	13,821	10,694	0.1	29.2	-14.5	18,396	12,694	9,323	11,912	72,331	52,157	38.7
Defense aircraft and parts.....	4,818	4,779	4,922	0.8	-2.9	5.5	5,293	4,723	4,473	5,104	27,914	26,348	5.9
Ships and boats.....	3,754	3,754	3,821	0.0	-1.8	-0.9	4,008	3,995	3,802	3,666	23,170	20,876	11.0
Furniture and related products.....	6,896	6,846	6,812	0.7	0.5	-1.0	7,175	6,876	6,592	7,077	40,707	40,117	1.5
Miscellaneous durable goods.....	14,479	14,603	14,427	-0.8	1.2	-0.2	15,333	14,531	13,596	15,163	85,696	84,062	1.9
Nondurable goods industries.....	289,968	289,769	293,105	0.1	-1.1	-0.7	302,130	300,329	290,783	330,459	1,763,089	1,807,698	-2.5
Food products.....	79,251	79,335	79,675	-0.1	-0.4	-0.6	79,266	79,587	77,878	79,942	472,773	470,488	0.5
Grain and oilseed milling.....	9,791	9,772	9,919	0.2	-1.5	-1.4	9,758	9,821	9,496	10,111	59,382	58,857	0.9
Dairy products.....	11,551	11,560	11,656	-0.1	-0.8	-1.1	11,556	11,740	11,415	11,995	69,329	69,084	0.4
Meat, poultry, and seafood products...	23,841	24,019	24,071	-0.7	-0.2	-0.6	24,902	24,780	23,883	25,781	144,184	148,617	-3.0
Beverage and tobacco products.....	17,871	17,437	17,243	2.5	1.1	0.2	18,698	18,015	17,294	16,930	102,450	90,680	13.0
Beverages.....	10,741	10,671	10,690	0.7	-0.2	-0.1	11,568	11,249	10,741	10,879	63,543	59,367	7.0
Tobacco.....	7,130	6,766	6,553	5.4	3.3	0.7	7,130	6,766	6,553	6,051	38,907	31,313	24.3
Textile mills.....	2,099	2,103	2,119	-0.2	-0.8	0.1	2,223	2,148	2,130	2,390	12,825	13,745	-6.7
Textile products.....	1,999	1,988	1,996	0.6	-0.4	-0.7	2,147	2,072	2,049	2,234	12,196	12,634	-3.5
Apparel.....	825	870	884	-5.2	-1.6	5.2	784	836	766	793	4,824	4,635	4.1
Leather and allied products.....	479	477	484	0.4	-1.4	-1.8	483	497	507	445	2,942	2,619	12.3
Paper products.....	17,419	17,453	17,444	-0.2	0.1	-0.7	17,921	17,997	16,802	17,810	104,792	103,255	1.5
Pulp, paper, and paperboard mills.....	6,941	6,936	7,033	0.1	-1.4	0.0	6,969	7,141	6,841	6,768	41,800	39,969	4.6
Paperboard containers.....	6,359	6,378	6,234	-0.3	2.3	-1.5	6,702	6,468	5,916	6,691	37,825	37,952	-0.3
Printing.....	7,306	7,176	7,251	1.8	-1.0	-0.7	7,383	7,233	6,993	7,360	42,977	41,819	2.8
Petroleum and coal products.....	60,643	61,441	64,647	-1.3	-5.0	-1.2	65,742	66,554	66,235	94,661	391,112	457,042	-14.4
Petroleum refineries.....	55,802	56,579	59,873	-1.4	-5.5	-1.3	60,201	61,307	61,737	89,149	363,653	430,980	-15.6
Chemical products.....	77,395	77,034	76,967	0.5	0.1	-0.6	81,095	79,808	76,064	81,127	467,472	459,344	1.8
Pesticides, fertilizers, and other agricultural chemicals.....	3,823	3,752	3,743	1.9	0.2	-5.2	3,964	4,119	4,368	4,058	25,806	26,701	-3.4
Pharmaceuticals and medicines.....	24,720	24,476	24,387	1.0	0.4	-0.4	25,607	24,993	23,150	24,422	144,817	132,777	9.1
Paints, coatings, and adhesives.....	4,169	4,114	4,048	1.3	1.6	-1.6	4,559	4,614	4,230	4,561	25,479	25,544	-0.3
Plastics and rubber products.....	24,681	24,455	24,395	0.9	0.2	-0.6	26,388	25,582	24,065	26,767	148,726	151,437	-1.8

^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.

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: CBDRB-FY23-0265).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2023. 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 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		
	June 2023 ^p	May 2023 ^r	Apr. 2023	May - June	Apr. - May	Mar. - Apr.	June 2023 ^p	May 2023 ^r	Apr. 2023	June 2022	2023 ^p	2022	% Change 2023/ 2022
All manufacturing industries ²	592,045	578,626	576,416	2.3	0.4	0.3	626,660	588,969	563,158	627,926	3,472,806	3,442,814	0.9
Excluding transportation ²	476,871	475,766	477,747	0.2	-0.4	-0.6	501,629	491,447	472,311	529,448	2,887,305	2,926,569	-1.3
Excluding defense ²	576,822	560,259	555,376	3.0	0.9	-0.6	608,876	574,298	542,751	607,419	3,371,652	3,357,804	0.4
With unfilled orders ²	219,846	206,456	202,964	6.5	1.7	1.7	236,290	204,287	194,903	212,227	1,224,369	1,170,779	4.6
Durable goods industries ²	302,077	288,857	283,311	4.6	2.0	1.2	324,530	288,640	272,375	297,467	1,709,717	1,635,116	4.6
Primary metals.....	27,013	26,901	26,683	0.4	0.8	-0.5	28,202	27,988	26,312	29,045	165,020	169,121	-2.4
Iron and steel mills.....	14,965	14,963	14,931	0.0	0.2	-0.6	15,627	15,895	14,678	15,880	91,780	91,029	0.8
Aluminum and nonferrous metals.....	10,364	10,276	10,057	0.9	2.2	-0.5	10,784	10,364	9,903	11,462	62,801	67,977	-7.6
Ferrous metal foundries.....	1,684	1,662	1,695	1.3	-1.9	-0.4	1,791	1,729	1,731	1,703	10,439	10,115	3.2
Fabricated metal products.....	35,695	35,267	35,219	1.2	0.1	-0.2	37,507	37,951	35,576	37,598	217,881	220,614	-1.2
Machinery.....	37,454	37,537	37,299	-0.2	0.6	0.4	39,746	38,321	37,055	39,985	228,843	226,527	1.0
Construction machinery.....	4,325	4,363	4,365	-0.9	0.0	2.4	4,505	4,323	4,510	4,042	25,803	22,825	13.0
Mining, oil field, and gas field machinery.....	1,501	1,709	1,793	-12.2	-4.7	11.4	1,514	1,716	1,687	1,588	9,949	8,311	19.7
Industrial machinery.....	3,315	3,640	3,339	-8.9	9.0	-6.8	3,692	3,416	3,248	4,296	22,013	23,299	-5.5
Photographic equipment.....	632	643	673	-1.7	-4.5	-7.4	588	623	523	667	3,822	3,475	10.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,881	4,787	4,698	2.0	1.9	-4.9	5,675	5,318	4,627	5,521	29,778	29,051	2.5
Metalworking machinery.....	2,557	2,586	2,742	-1.1	-5.7	3.5	2,568	2,526	2,622	2,937	16,078	16,876	-4.7
Turbines, generators, and other power transmission equipment.....	4,290	4,055	4,037	5.8	0.4	1.0	4,351	4,227	3,962	3,650	23,885	21,121	13.1
Material handling equipment.....	4,170	4,043	4,011	3.1	0.8	4.5	4,632	3,975	3,643	4,075	24,161	22,979	5.1
Computers and electronic products ²	24,544	24,165	23,970	1.6	0.8	-1.8	26,916	22,298	22,093	26,159	141,243	138,144	2.2
Computers.....	825	808	805	2.1	0.4	-0.5	1,003	801	764	912	4,693	4,269	9.9
Nondefense communications equipment.....	2,719	2,647	2,702	2.7	-2.0	-2.7	3,390	2,207	2,310	3,499	15,996	16,944	-5.6
Defense communications equipment.....	201	209	207	-3.8	1.0	2.5	204	187	194	203	1,160	1,109	4.6
Electronic components.....	4,726	4,669	4,451	1.2	4.9	-3.5	4,792	4,591	4,262	4,731	27,249	27,587	-1.2
Nondefense search and navigation equipment.....	1,723	1,775	1,776	-2.9	-0.1	0.5	1,895	1,716	1,658	1,915	10,490	10,413	0.7
Defense search and navigation equipment.....	3,553	3,351	3,336	6.0	0.4	-7.7	3,957	2,909	3,250	3,638	20,035	18,190	10.1
Electromedical, measuring, and control instruments.....	8,915	8,866	8,917	0.6	-0.6	0.3	9,622	8,260	8,169	9,647	51,638	51,187	0.9
Electrical equipment, appliances, and components.....	14,370	14,161	13,830	1.5	2.4	-2.8	15,606	14,378	13,500	14,680	85,437	80,332	6.4
Electric lighting equipment.....	1,364	1,363	1,331	0.1	2.4	0.6	1,571	1,333	1,240	1,368	7,886	7,212	9.3
Household appliances.....	2,341	2,382	2,231	-1.7	6.8	-5.3	2,530	2,435	2,066	2,603	13,886	13,418	3.5
Electrical equipment.....	4,635	4,661	4,605	-0.6	1.2	-1.6	5,102	4,773	4,556	4,847	28,642	26,923	6.4
Transportation equipment.....	115,174	102,860	98,669	12.0	4.2	4.8	125,031	97,522	90,847	98,478	585,501	516,245	13.4
Motor vehicle bodies, parts, and trailers.....	29,154	28,882	28,909	0.9	-0.1	-0.7	29,859	29,498	27,953	28,461	177,029	169,304	4.6
Nondefense aircraft and parts.....	37,125	21,919	16,432	69.4	33.4	-2.1	41,947	19,317	12,482	16,539	111,085	84,356	31.7
Defense aircraft and parts.....	5,521	5,231	7,711	5.5	-32.2	32.1	6,265	3,891	7,415	9,881	32,778	27,851	17.7
Ships and boats.....	2,521	6,071	3,889	-58.5	56.1	37.7	3,716	4,847	3,486	3,398	25,449	20,882	21.9
Furniture and related products.....	6,767	6,698	6,768	1.0	-1.0	-0.9	6,818	6,865	6,800	6,913	41,224	40,525	1.7
Nondurable goods industries.....	289,968	289,769	293,105	0.1	-1.1	-0.7	302,130	300,329	290,783	330,459	1,763,089	1,807,698	-2.5

^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 Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new 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-FY23-0265).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2023. 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				
	Monthly			Percent Change			Monthly				% Change June 2023/ 2022
	June 2023 ^p	May 2023 ^r	Apr. 2023	May - June	Apr. - May	Mar. - Apr.	June 2023 ^p	May 2023 ^r	Apr. 2023	June 2022	
All manufacturing industries ²	1,325,110	1,301,975	1,291,462	1.8	0.8	0.8	1,327,022	1,305,694	1,300,741	1,243,582	6.7
Excluding transportation ²	498,241	498,061	498,355	0.0	-0.1	-0.1	501,404	503,927	504,532	503,071	-0.3
Excluding defense ²	1,081,684	1,057,959	1,050,364	2.2	0.7	0.5	1,081,725	1,061,528	1,056,184	1,014,188	6.7
Durable goods industries ²	1,325,110	1,301,975	1,291,462	1.8	0.8	0.8	1,327,022	1,305,694	1,300,741	1,243,582	6.7
Primary metals.....	37,793	37,717	37,728	0.2	0.0	-0.2	38,161	38,432	38,598	39,911	-4.4
Iron and steel mills.....	22,666	22,629	22,608	0.2	0.1	0.0	22,992	23,111	23,064	23,354	-1.6
Aluminum and nonferrous metals.....	10,484	10,482	10,526	0.0	-0.4	-1.2	10,555	10,671	10,844	12,028	-12.2
Ferrous metal foundries.....	4,643	4,606	4,594	0.8	0.3	0.9	4,614	4,650	4,690	4,529	1.9
Fabricated metal products.....	128,989	129,055	129,115	-0.1	0.0	0.0	131,168	131,655	130,578	132,863	-1.3
Machinery.....	139,615	139,910	140,069	-0.2	-0.1	-0.2	139,502	141,131	141,887	138,770	0.5
Construction machinery.....	10,952	11,009	10,996	-0.5	0.1	1.7	10,835	11,246	11,528	12,338	-12.2
Mining, oil field, and gas field machinery.....	5,050	5,229	5,320	-3.4	-1.7	0.5	5,050	5,229	5,320	5,173	-2.4
Industrial machinery.....	12,166	12,507	12,218	-2.7	2.4	-2.0	12,195	12,747	12,525	11,392	7.0
Photographic equipment.....	4,092	4,116	4,136	-0.6	-0.5	0.9	3,894	4,056	4,110	3,448	12.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	13,678	13,594	13,671	0.6	-0.6	-0.3	13,798	14,040	14,137	12,019	14.8
Metalworking machinery.....	9,649	9,691	9,869	-0.4	-1.8	-1.1	9,574	9,764	9,999	10,548	-9.2
Turbines, generators, and other power transmission equipment.....	32,086	31,816	31,837	0.8	-0.1	-0.2	32,086	31,816	31,837	32,262	-0.5
Material handling equipment.....	19,416	19,422	19,441	0.0	-0.1	0.4	19,439	19,172	19,401	18,239	6.6
Computers and electronic products ²	134,838	134,558	134,570	0.2	0.0	0.0	135,199	134,960	135,762	134,275	0.7
Computers.....	1,285	1,274	1,309	0.9	-2.7	-0.5	1,285	1,274	1,309	1,316	-2.4
Nondefense communications equipment.....	16,898	16,994	17,127	-0.6	-0.8	-0.8	16,944	17,069	17,371	17,792	-4.8
Defense communications equipment.....	241	238	234	1.3	1.7	0.4	234	230	235	261	-10.3
Electronic components.....	16,944	16,931	16,937	0.1	0.0	-0.6	16,727	16,965	17,113	17,535	-4.6
Nondefense search and navigation equipment.....	31,165	31,071	30,945	0.3	0.4	0.4	31,222	31,083	30,990	29,751	4.9
Defense search and navigation equipment.....	36,273	36,005	35,946	0.7	0.2	0.2	36,628	36,068	36,396	35,900	2.0
Electromedical, measuring, and control instruments.....	32,032	32,045	32,072	0.0	-0.1	0.1	32,159	32,271	32,348	31,720	1.4
Electrical equipment, appliances, and components.....	43,869	43,524	43,411	0.8	0.3	-0.2	44,011	43,998	43,928	42,715	3.0
Electric lighting equipment.....	3,918	3,871	3,804	1.2	1.8	1.5	3,962	3,792	3,812	3,354	18.1
Household appliances.....	4,639	4,649	4,632	-0.2	0.4	-1.7	4,593	4,665	4,659	4,087	12.4
Electrical equipment.....	22,739	22,584	22,482	0.7	0.5	0.2	22,711	22,884	22,742	22,947	-1.0
Transportation equipment.....	826,869	803,914	793,107	2.9	1.4	1.4	825,618	801,767	796,209	740,511	11.5
Motor vehicle bodies, parts, and trailers.....	35,220	35,101	35,132	0.3	-0.1	0.1	34,537	35,246	36,036	35,469	-2.6
Nondefense aircraft and parts.....	571,536	548,245	540,147	4.2	1.5	1.1	569,469	545,918	539,295	498,761	14.2
Defense aircraft and parts.....	71,984	71,281	70,829	1.0	0.6	4.1	72,166	71,194	72,026	67,311	7.2
Ships and boats.....	56,140	57,373	55,056	-2.1	4.2	0.1	57,465	57,757	56,905	52,641	9.2
Furniture and related products.....	11,033	11,162	11,310	-1.2	-1.3	-0.4	11,259	11,616	11,627	12,255	-8.1

^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 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-FY23-0265).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2023. 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				
	Monthly			Percent Change			Monthly				% Change
	June 2023 ^p	May 2023 ^r	Apr. 2023	May - June	Apr. - May	Mar. - Apr.	June 2023 ^p	May 2023 ^r	Apr. 2023	June 2022	June 2023/ 2022
All manufacturing industries.....	853,058	853,314	855,448	0.0	-0.2	0.3	852,210	859,332	861,345	855,809	-0.4
Excluding transportation.....	688,693	689,176	691,361	-0.1	-0.3	-0.3	688,831	694,458	696,723	693,861	-0.7
Excluding defense.....	823,615	823,901	826,140	0.0	-0.3	0.3	822,679	829,777	831,963	827,386	-0.6
With unfilled orders.....	423,350	422,572	421,777	0.2	0.2	1.2	423,456	426,126	424,394	416,093	1.8
Durable goods industries.....	523,400	522,669	521,711	0.1	0.2	1.0	522,357	527,050	524,688	513,861	1.7
Wood products.....	15,878	16,019	16,156	-0.9	-0.8	0.0	15,613	15,845	16,183	16,504	-5.4
Nonmetallic mineral products.....	17,126	17,109	17,021	0.1	0.5	0.8	17,226	17,473	17,316	16,281	5.8
Primary metals.....	46,881	46,831	46,622	0.1	0.4	0.1	46,996	47,421	47,134	48,671	-3.4
Iron and steel mills.....	27,590	27,425	27,284	0.6	0.5	0.3	27,677	27,561	27,475	28,854	-4.1
Aluminum and nonferrous metals.....	16,104	16,247	16,226	-0.9	0.1	-0.4	16,137	16,645	16,471	16,847	-4.2
Ferrous metal foundries.....	3,187	3,159	3,112	0.9	1.5	0.3	3,182	3,215	3,188	2,970	7.1
Fabricated metal products.....	64,992	64,797	64,566	0.3	0.4	-0.2	65,199	65,547	65,143	65,310	-0.2
Machinery.....	94,945	94,545	93,969	0.4	0.6	0.2	94,786	95,359	94,322	87,826	7.9
Farm machinery.....	5,820	5,711	5,670	1.9	0.7	-2.9	5,616	5,710	5,724	5,850	-4.0
Construction machinery.....	9,470	9,397	9,354	0.8	0.5	0.4	9,381	9,491	9,583	8,396	11.7
Mining, oil field, and gas field machinery.....	5,885	5,865	5,796	0.3	1.2	-0.2	5,948	5,937	5,792	5,217	14.0
Industrial machinery.....	11,320	11,278	11,147	0.4	1.2	0.4	11,614	11,339	10,709	10,654	9.0
Photographic equipment.....	1,468	1,473	1,474	-0.3	-0.1	0.3	1,435	1,483	1,499	1,355	5.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	9,750	9,570	9,412	1.9	1.7	1.6	9,730	9,959	9,892	8,102	20.1
Metalworking machinery.....	7,405	7,374	7,396	0.4	-0.3	-0.3	7,392	7,407	7,395	7,159	3.3
Turbines, generators, and other power transmission equipment.....	11,838	11,841	11,829	0.0	0.1	0.0	11,892	12,001	11,941	10,972	8.4
Material handling equipment.....	8,030	8,172	8,049	-1.7	1.5	1.7	7,991	8,198	8,005	7,087	12.8
Computers and electronic products ²	54,839	54,987	55,065	-0.3	-0.1	-0.3	54,640	55,559	55,327	54,451	0.3
Computers.....	1,939	1,953	2,019	-0.7	-3.3	1.3	2,003	1,995	1,956	2,205	-9.2
Computer storage devices.....	635	623	643	1.9	-3.1	-0.5	618	626	623	626	-1.3
Other peripheral equipment.....	1,056	1,043	1,039	1.2	0.4	1.1	1,040	1,091	1,037	946	9.9
Nondefense communications equipment.....	4,368	4,386	4,401	-0.4	-0.3	-0.2	4,342	4,464	4,488	4,331	0.3
Defense communications equipment.....	634	634	641	0.0	-1.1	5.1	634	634	641	604	5.0
Audio and video equipment.....	779	820	859	-5.0	-4.5	-0.3	788	853	895	914	-13.8
Electronic components.....	10,499	10,654	10,697	-1.5	-0.4	-1.6	10,452	10,625	11,029	11,345	-7.9
Nondefense search and navigation equipment.....	4,216	4,193	4,182	0.5	0.3	0.4	4,177	4,182	4,182	3,923	6.5
Defense search and navigation equipment.....	3,354	3,338	3,344	0.5	-0.2	-0.2	3,349	3,408	3,391	3,357	-0.2
Electromedical, measuring and control instruments.....	19,005	19,039	19,011	-0.2	0.1	-0.2	18,934	19,412	19,049	18,340	3.2
Electrical equipment, appliances, and components.....	26,355	26,187	26,086	0.6	0.4	0.0	26,514	26,676	26,488	25,081	5.7
Electric lighting equipment.....	2,533	2,531	2,504	0.1	1.1	-1.6	2,527	2,533	2,498	2,524	0.1
Household appliances.....	3,651	3,622	3,586	0.8	1.0	-0.4	3,675	3,677	3,636	3,766	-2.4
Electrical equipment.....	9,807	9,654	9,602	1.6	0.5	0.1	9,807	9,960	9,825	8,796	11.5
Batteries.....	1,893	1,891	1,883	0.1	0.4	1.1	2,009	1,996	1,960	1,929	4.1
Transportation equipment.....	164,365	164,138	164,087	0.1	0.0	3.1	163,379	164,874	164,622	161,948	0.9
Automobiles.....	5,887	5,857	5,794	0.5	1.1	2.2	5,706	5,759	5,644	5,534	3.1
Light trucks and utility vehicles.....	9,418	9,574	9,462	-1.6	1.2	0.6	8,969	9,992	9,612	8,981	-0.1
Heavy duty trucks	2,848	2,873	2,940	-0.9	-2.3	-0.8	2,890	2,971	2,979	2,941	-1.7
Motor vehicle bodies, parts, and trailers.....	35,334	35,209	35,233	0.4	-0.1	0.2	35,138	35,325	35,671	35,006	0.4
Nondefense aircraft and parts.....	77,795	77,654	77,766	0.2	-0.1	6.2	77,660	77,805	77,804	77,933	-0.4
Defense aircraft and parts.....	14,178	14,176	14,088	0.0	0.6	0.3	14,163	14,214	14,116	14,001	1.2
Ships and boats.....	4,676	4,586	4,564	2.0	0.5	0.2	4,741	4,635	4,565	4,567	3.8
Furniture and related products.....	10,246	10,358	10,433	-1.1	-0.7	-0.7	10,364	10,519	10,387	10,617	-2.4
Miscellaneous durable goods.....	27,773	27,698	27,706	0.3	0.0	-0.1	27,640	27,777	27,766	27,172	1.7
Nondurable goods industries.....	329,658	330,645	333,737	-0.3	-0.9	-0.6	329,853	332,282	336,657	341,948	-3.5
Food products.....	71,514	71,653	72,140	-0.2	-0.7	-0.4	69,573	69,728	71,099	68,441	1.7
Grain and oilseed milling.....	7,725	7,696	7,874	0.4	-2.3	-1.1	7,482	7,379	7,943	7,735	-3.3
Dairy products.....	10,836	10,895	10,944	-0.5	-0.4	0.8	11,170	11,255	11,223	10,691	4.5
Meat, poultry, and seafood products.....	13,152	13,207	13,348	-0.4	-1.1	-0.3	12,857	13,044	13,246	12,960	-0.8
Beverage and tobacco products.....	31,171	31,019	31,046	0.5	-0.1	-0.8	30,675	31,038	31,479	30,378	1.0
Beverages.....	27,484	27,311	27,335	0.6	-0.1	-0.9	27,153	27,401	27,750	26,741	1.5
Tobacco.....	3,687	3,708	3,711	-0.6	-0.1	0.0	3,522	3,637	3,729	3,637	-3.2
Textile mills.....	3,627	3,615	3,600	0.3	0.4	-0.3	3,622	3,627	3,590	3,662	-1.1
Textile products.....	3,696	3,723	3,756	-0.7	-0.9	-0.7	3,662	3,693	3,734	3,902	-6.2
Apparel.....	2,187	2,194	2,222	-0.3	-1.3	-2.0	2,266	2,197	2,161	2,261	0.2
Leather and allied products.....	1,284	1,284	1,283	0.0	0.1	-2.1	1,287	1,293	1,279	1,224	5.1
Paper products.....	18,259	18,321	18,392	-0.3	-0.4	-0.2	18,251	18,374	18,406	18,303	-0.3
Pulp, paper, and paperboard mills.....	5,718	5,719	5,713	0.0	0.1	0.3	5,715	5,752	5,737	5,540	3.2
Paperboard containers.....	6,939	6,969	7,010	-0.4	-0.6	0.3	6,902	6,955	6,948	6,793	1.6
Printing.....	6,909	6,971	7,019	-0.9	-0.7	0.5	6,813	6,862	6,987	7,032	-3.1
Petroleum and coal products.....	44,037	44,400	46,298	-0.8	-4.1	-2.4	46,605	46,741	48,689	58,304	-20.1
Petroleum refineries.....	37,200	37,476	39,246	-0.7	-4.5	-2.6	39,715	39,679	41,546	51,393	-22.7
Chemical products.....	112,880	113,118	113,379	-0.2	-0.2	-0.1	113,138	114,205	114,382	113,719	-0.5
Pesticides, fertilizers, and other agricultural chemicals.....	6,181	6,092	6,003	1.5	1.5	1.0	5,924	6,060	6,126	5,989	-1.1
Pharmaceuticals and medicines.....	47,432	47,401	47,512	0.1	-0.2	-0.7	48,226	47,912	47,978	47,196	2.2
Paints, coatings, and adhesives.....	5,821	5,862	5,913	-0.7	-0.9	0.0	5,832	5,941	6,099	5,731	1.8
Plastics and rubber products.....	34,094	34,347	34,602	-0.7	-0.7	-0.5	33,961	34,524	34,851	34,722	-2.2

^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-FY23-0265).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2023. 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						
	Monthly			Percent Change			Monthly				Year to date		% Change ⁶
	June 2023 ^p	May 2023 ^r	Apr. 2023	May - June	Apr. - May	Mar. - Apr.	June 2023 ^p	May 2023 ^r	Apr. 2023	June 2022	2023 ^p	2022	
<u>SHIPMENTS</u>													
All manufacturing industries.....	573,925	573,181	571,029	0.1	0.4	-0.6	610,022	588,352	557,840	625,963	3,445,206	3,417,207	0.8
Construction materials and supplies.....	62,388	62,266	61,605	0.2	1.1	-0.3	68,729	66,940	61,200	69,031	371,523	372,009	-0.1
Information technology.....	24,729	24,696	24,498	0.1	0.8	0.4	27,297	23,666	22,669	26,667	143,180	139,344	2.8
Computers and related products.....	2,048	2,052	2,057	-0.2	-0.2	3.0	2,463	1,850	1,805	2,060	11,519	9,436	22.1
Motor vehicle and parts.....	62,760	62,808	61,203	-0.1	2.6	-0.1	66,141	63,869	58,237	62,430	373,524	346,387	7.8
Capital goods.....	96,980	96,516	93,565	0.5	3.2	-1.0	108,609	95,243	88,483	98,646	565,281	523,666	7.9
Nondefense capital goods ³	83,389	83,303	80,229	0.1	3.8	-1.7	94,489	82,382	75,734	86,107	487,617	452,229	7.8
Excluding aircraft.....	74,097	74,051	73,837	0.1	0.3	0.5	81,001	74,023	70,392	78,246	441,593	422,186	4.6
Defense capital goods ⁴	13,591	13,213	13,336	2.9	-0.9	3.5	14,120	12,861	12,749	12,539	77,664	71,437	8.7
Consumer goods.....	240,590	241,045	242,800	-0.2	-0.7	-0.6	249,565	247,637	238,571	273,978	1,455,014	1,475,955	-1.4
Consumer durable goods.....	46,257	46,507	44,768	-0.5	3.9	-0.4	48,734	46,429	42,082	46,755	270,707	253,869	6.6
Consumer nondurable goods.....	194,333	194,538	198,032	-0.1	-1.8	-0.6	200,831	201,208	196,489	227,223	1,184,307	1,222,086	-3.1
<u>NEW ORDERS</u>													
All manufacturing industries ⁵	592,045	578,626	576,416	2.3	0.4	0.3	626,660	588,969	563,158	627,926	3,472,806	3,442,814	0.9
Construction materials and supplies.....	62,333	62,057	61,353	0.4	1.1	-0.9	68,227	67,709	61,980	68,535	375,937	378,647	-0.7
Information technology.....	25,125	24,597	24,524	2.1	0.3	-1.8	27,700	22,900	22,755	26,961	145,181	141,318	2.7
Computers and related products.....	2,059	2,017	2,051	2.1	-1.7	1.8	2,474	1,815	1,799	2,073	11,521	9,425	22.2
Motor vehicle and parts.....	62,879	62,777	61,244	0.2	2.5	-0.2	65,432	63,079	57,951	61,375	373,120	345,951	7.9
Capital goods.....	118,698	106,810	104,100	11.1	2.6	5.1	130,431	101,219	98,088	103,969	615,197	565,035	8.9
Nondefense capital goods ³	106,454	91,113	85,450	16.8	6.6	0.2	116,285	88,281	79,686	90,688	528,937	495,604	6.7
Excluding aircraft.....	73,975	73,873	73,577	0.1	0.4	0.7	79,274	73,243	71,065	78,088	444,248	433,018	2.6
Defense capital goods ⁴	12,244	15,697	18,650	-22.0	-15.8	35.9	14,146	12,938	18,402	13,281	86,260	69,431	24.2
Consumer goods.....	240,537	241,028	242,771	-0.2	-0.7	-0.6	249,304	247,503	238,522	273,719	1,454,934	1,475,382	-1.4
Consumer durable goods.....	46,204	46,490	44,739	-0.6	3.9	-0.3	48,473	46,295	42,033	46,496	270,627	253,296	6.8
Consumer nondurable goods.....	194,333	194,538	198,032	-0.1	-1.8	-0.6	200,831	201,208	196,489	227,223	1,184,307	1,222,086	-3.1
<u>UNFILLED ORDERS</u>													
All manufacturing industries ⁵	1,325,110	1,301,975	1,291,462	1.8	0.8	0.8	1,327,022	1,305,694	1,300,741	1,243,582	(X)	(X)	6.7
Construction materials and supplies.....	100,032	100,087	100,296	-0.1	-0.2	-0.3	102,161	102,663	101,894	101,890	(X)	(X)	0.3
Information technology.....	134,559	134,163	134,262	0.3	-0.1	0.0	135,111	134,708	135,474	132,515	(X)	(X)	2.0
Computers and related products.....	1,285	1,274	1,309	0.9	-2.7	-0.5	1,285	1,274	1,309	1,316	(X)	(X)	-2.4
Motor vehicle and parts.....	35,220	35,101	35,132	0.3	-0.1	0.1	34,537	35,246	36,036	35,469	(X)	(X)	-2.6
Capital goods.....	983,466	961,748	951,454	2.3	1.1	1.1	983,802	961,980	956,004	900,398	(X)	(X)	9.3
Nondefense capital goods ³	771,492	748,427	740,617	3.1	1.1	0.7	769,964	748,168	742,269	699,080	(X)	(X)	10.1
Excluding aircraft.....	272,830	272,952	273,130	0.0	-0.1	-0.1	273,335	275,062	275,842	273,510	(X)	(X)	-0.1
Defense capital goods ⁴	211,974	213,321	210,837	-0.6	1.2	2.6	213,838	213,812	213,735	201,318	(X)	(X)	6.2
Consumer goods.....	11,963	12,016	12,033	-0.4	-0.1	-0.2	11,798	12,059	12,193	11,822	(X)	(X)	-0.2
Consumer durable goods.....	11,963	12,016	12,033	-0.4	-0.1	-0.2	11,798	12,059	12,193	11,822	(X)	(X)	-0.2
<u>TOTAL INVENTORIES</u>													
All manufacturing industries.....	853,058	853,314	855,448	0.0	-0.2	0.3	852,210	859,332	861,345	855,809	(X)	(X)	-0.4
Construction materials and supplies.....	93,165	93,013	92,946	0.2	0.1	0.1	93,103	94,182	94,313	91,843	(X)	(X)	1.4
Information technology.....	46,090	46,158	46,292	-0.1	-0.3	0.1	45,961	46,826	46,497	44,810	(X)	(X)	2.6
Computers and related products.....	3,630	3,619	3,701	0.3	-2.2	0.9	3,661	3,712	3,616	3,777	(X)	(X)	-3.1
Motor vehicle and parts.....	53,487	53,513	53,429	0.0	0.2	0.4	52,703	54,047	53,906	52,462	(X)	(X)	0.5
Capital goods.....	250,041	249,746	249,558	0.1	0.1	2.1	250,264	251,649	249,946	241,752	(X)	(X)	3.5
Nondefense capital goods ³	225,814	225,547	225,427	0.1	0.1	2.2	225,934	227,346	225,769	218,354	(X)	(X)	3.5
Excluding aircraft.....	162,131	161,753	161,363	0.2	0.2	0.1	162,119	163,562	161,828	153,715	(X)	(X)	5.5
Defense capital goods ⁴	24,227	24,199	24,131	0.1	0.3	1.1	24,330	24,303	24,177	23,398	(X)	(X)	4.0
Consumer goods.....	251,694	252,309	254,905	-0.2	-1.0	-0.8	251,817	253,478	256,907	262,130	(X)	(X)	-3.9
Consumer durable goods.....	42,336	42,608	42,615	-0.6	0.0	-0.1	41,558	42,989	42,565	42,172	(X)	(X)	-1.5
Consumer nondurable goods.....	209,358	209,701	212,290	-0.2	-1.2	-1.0	210,259	210,489	214,342	219,958	(X)	(X)	-4.4

^x Not Applicable

^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 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: CBDRB-FY23-0265).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2023. 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
	June 2023 ^p	May 2023 ^f	Apr. 2023	May - June	Apr. - May	Mar. - Apr.	June 2023 ^p	May 2023 ^f	Apr. 2023	June 2022	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	314,981	314,764	315,748	0.1	-0.3	-0.2	315,135	315,240	316,501	316,647	-0.5
Durable goods industries.....	197,595	197,154	197,139	0.2	0.0	0.2	197,223	197,421	197,285	193,147	2.1
Wood products.....	7,677	7,714	7,798	-0.5	-1.1	-0.1	7,484	7,427	7,589	7,799	-4.0
Nonmetallic mineral products.....	7,720	7,757	7,688	-0.5	0.9	-0.2	7,736	7,818	7,735	7,133	8.5
Primary metals.....	19,267	18,958	19,098	1.6	-0.7	-0.8	19,400	18,975	19,112	20,124	-3.6
Fabricated metal products.....	24,476	24,489	24,447	-0.1	0.2	-0.5	24,516	24,485	24,327	26,011	-5.7
Machinery.....	40,329	40,422	40,643	-0.2	-0.5	1.0	40,320	40,761	40,814	37,919	6.3
Computers and electronic products.....	26,644	26,559	26,524	0.3	0.1	0.4	26,722	26,757	26,505	25,267	5.8
Electrical equipment, appliances, and components.....	12,687	12,647	12,643	0.3	0.0	0.2	12,777	12,831	12,793	11,905	7.3
Transportation equipment.....	43,746	43,533	43,110	0.5	1.0	0.5	43,215	43,202	43,222	42,220	2.4
Furniture and related products.....	5,275	5,313	5,362	-0.7	-0.9	-0.8	5,361	5,415	5,396	5,376	-0.3
Miscellaneous products.....	9,774	9,762	9,826	0.1	-0.7	0.0	9,692	9,750	9,792	9,393	3.2
Nondurable goods industries.....	117,386	117,610	118,609	-0.2	-0.8	-0.9	117,912	117,819	119,216	123,500	-4.5
Food products.....	26,054	26,165	26,285	-0.4	-0.5	-1.0	25,832	25,705	25,901	25,946	-0.4
Beverage and tobacco products.....	6,457	6,391	6,376	1.0	0.2	-0.2	6,286	6,373	6,453	6,118	2.7
Textiles.....	1,461	1,456	1,450	0.3	0.4	0.2	1,469	1,467	1,451	1,454	1.0
Textile products.....	1,694	1,722	1,726	-1.6	-0.2	0.0	1,684	1,719	1,712	1,697	-0.8
Apparel.....	570	568	566	0.4	0.4	-7.5	582	568	556	667	-12.7
Leather and allied products.....	384	388	395	-1.0	-1.8	-2.0	385	393	395	394	-2.3
Paper products.....	9,610	9,667	9,720	-0.6	-0.5	-0.1	9,570	9,625	9,631	9,629	-0.6
Printing	3,576	3,564	3,604	0.3	-1.1	0.2	3,534	3,499	3,590	3,650	-3.2
Petroleum and coal products.....	12,836	12,839	13,292	0.0	-3.4	-5.1	14,000	13,377	14,032	18,722	-25.2
Chemical products.....	39,734	39,525	39,731	0.5	-0.5	0.2	39,645	39,802	40,081	39,758	-0.3
Plastics and rubber products.....	15,010	15,325	15,464	-2.1	-0.9	-1.1	14,925	15,291	15,414	15,465	-3.5
WORK IN PROCESS											
All manufacturing industries.....	239,282	239,622	241,269	-0.1	-0.7	1.5	239,893	241,420	243,113	239,876	0.0
Durable goods industries.....	177,158	177,520	178,073	-0.2	-0.3	2.3	177,526	179,018	178,822	178,914	-0.8
Wood products.....	1,809	1,819	1,866	-0.5	-2.5	1.0	1,796	1,800	1,872	2,139	-16.0
Nonmetallic mineral products.....	1,699	1,679	1,661	1.2	1.1	1.0	1,729	1,740	1,720	1,612	7.3
Primary metals.....	12,277	12,715	12,571	-3.4	1.1	0.8	12,390	12,953	12,754	13,506	-8.3
Fabricated metal products.....	16,969	16,915	16,681	0.3	1.4	-0.3	16,970	17,198	16,905	16,171	4.9
Machinery.....	24,480	24,539	24,376	-0.2	0.7	-1.7	24,696	24,975	24,226	23,671	4.3
Computers and electronic products.....	13,489	13,540	13,696	-0.4	-1.1	-1.3	13,401	13,766	14,047	14,648	-8.5
Electrical equipment, appliances, and components.....	4,607	4,584	4,555	0.5	0.6	0.2	4,676	4,714	4,629	4,573	2.3
Transportation equipment.....	95,544	95,489	96,448	0.1	-1.0	5.0	95,576	95,610	96,455	96,495	-1.0
Furniture and related products.....	1,501	1,479	1,466	1.5	0.9	-0.1	1,496	1,468	1,425	1,492	0.3
Miscellaneous products.....	4,783	4,761	4,753	0.5	0.2	-0.5	4,796	4,794	4,789	4,607	4.1
Nondurable goods industries.....	62,124	62,102	63,196	0.0	-1.7	-0.7	62,367	62,402	64,291	60,962	2.3
Food products.....	7,717	7,670	7,733	0.6	-0.8	-1.7	7,214	7,139	7,445	7,295	-1.1
Beverage and tobacco products.....	11,156	11,067	11,042	0.8	0.2	0.3	10,869	10,957	11,073	10,430	4.2
Textiles.....	581	577	580	0.7	-0.5	-0.7	577	579	581	621	-7.1
Textile products.....	474	471	474	0.6	-0.6	0.9	464	459	471	477	-2.7
Apparel.....	285	282	277	1.1	1.8	2.2	299	286	273	288	3.8
Leather and allied products.....	140	135	130	3.7	3.8	-3.0	139	135	131	139	0.0
Paper products.....	1,612	1,611	1,632	0.1	-1.3	-1.2	1,629	1,625	1,642	1,690	-3.6
Printing	1,185	1,202	1,193	-1.4	0.8	2.5	1,124	1,142	1,166	1,280	-12.2
Petroleum and coal products.....	15,510	15,674	16,460	-1.0	-4.8	-1.3	16,300	16,557	17,644	15,339	6.3
Chemical products.....	19,606	19,486	19,771	0.6	-1.4	-0.9	19,933	19,593	19,960	19,433	2.6
Plastics and rubber products.....	3,858	3,927	3,904	-1.8	0.6	1.5	3,819	3,930	3,905	3,970	-3.8
FINISHED GOODS											
All manufacturing industries.....	298,795	298,928	298,431	0.0	0.2	0.0	297,182	302,672	301,731	299,286	-0.7
Durable goods industries.....	148,647	147,995	146,499	0.4	1.0	0.4	147,608	150,611	148,581	141,800	4.1
Wood products.....	6,392	6,486	6,492	-1.4	-0.1	-0.3	6,333	6,618	6,722	6,566	-3.5
Nonmetallic mineral products.....	7,707	7,673	7,672	0.4	0.0	1.8	7,761	7,915	7,861	7,536	3.0
Primary metals.....	15,337	15,158	14,953	1.2	1.4	0.6	15,206	15,493	15,268	15,041	1.1
Fabricated metal products.....	23,547	23,393	23,438	0.7	-0.2	0.3	23,713	23,864	23,911	23,128	2.5
Machinery.....	30,136	29,584	28,950	1.9	2.2	0.8	29,770	29,623	29,282	26,236	13.5
Computers and electronic products.....	14,706	14,888	14,845	-1.2	0.3	-0.5	14,517	15,036	14,775	14,536	-0.1
Electrical equipment, appliances, and components.....	9,061	8,956	8,888	1.2	0.8	-0.4	9,061	9,131	9,066	8,603	5.3
Transportation equipment.....	25,075	25,116	24,529	-0.2	2.4	0.6	24,588	26,062	24,945	23,233	5.8
Furniture and related products.....	3,470	3,566	3,605	-2.7	-1.1	-0.7	3,507	3,636	3,566	3,749	-6.5
Miscellaneous products.....	13,216	13,175	13,127	0.3	0.4	0.0	13,152	13,233	13,185	13,172	-0.2
Nondurable goods industries.....	150,148	150,933	151,932	-0.5	-0.7	-0.4	149,574	152,061	153,150	157,486	-5.0
Food products.....	37,743	37,818	38,122	-0.2	-0.8	0.2	36,527	36,884	37,753	35,200	3.8
Beverage and tobacco products.....	13,558	13,561	13,628	0.0	-0.5	-2.0	13,520	13,708	13,953	13,830	-2.2
Textiles.....	1,585	1,582	1,570	0.2	0.8	-0.7	1,576	1,581	1,558	1,587	-0.7
Textile products.....	1,528	1,530	1,556	-0.1	-1.7	-2.0	1,514	1,515	1,551	1,728	-12.4
Apparel.....	1,332	1,344	1,379	-0.9	-2.5	-0.4	1,385	1,343	1,332	1,306	6.0
Leather and allied products.....	760	761	758	-0.1	0.4	-1.9	763	765	753	691	10.4
Paper products.....	7,037	7,043	7,040	-0.1	0.0	-0.1	7,052	7,124	7,133	6,984	1.0
Printing	2,148	2,205	2,222	-2.6	-0.8	-0.2	2,155	2,221	2,231	2,102	2.5
Petroleum and coal products.....	15,691	15,887	16,546	-1.2	-4.0	-1.3	16,305	16,807	17,013	24,243	-32.7
Chemical products.....	53,540	54,107	53,877	-1.0	0.4	0.0	53,560	54,810	54,341	54,528	-1.8
Plastics and rubber products.....	15,226	15,095	15,234	0.9	-0.9	-0.4	15,217	15,303	15,532	15,287	-0.5

^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: CBDRB-FY23-0265).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2023. 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			
	Jun 2023 ^p	May 2023 ^ʹ	Apr 2023	Mar 2023	Jun 2023 ^p	May 2023 ^ʹ	Apr 2023	Mar 2023
All manufacturing industries ³	1.49	1.49	1.50	1.48	(X)	(X)	(X)	(X)
Durable goods industries ³	1.84	1.84	1.88	1.85	6.74	6.64	6.71	6.60
Wood products.....	1.19	1.20	1.22	1.20	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.29	1.29	1.30	1.29	(X)	(X)	(X)	(X)
Primary metals.....	1.74	1.74	1.74	1.74	1.40	1.40	1.41	1.41
Fabricated metal products.....	1.82	1.83	1.83	1.83	3.70	3.75	3.76	3.75
Machinery.....	2.52	2.51	2.50	2.52	4.07	4.08	4.09	4.13
Computers and electronic products ³	1.87	1.88	1.89	1.89	6.02	6.02	6.06	6.05
Electrical equipment, appliances, and components.....	1.88	1.86	1.88	1.85	3.46	3.41	3.45	3.44
Transportation equipment.....	1.78	1.78	1.87	1.79	14.14	13.82	14.34	13.77
Furniture and related products.....	1.49	1.51	1.53	1.53	1.85	1.89	1.92	1.91
Miscellaneous products.....	1.92	1.90	1.92	1.92	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.14	1.14	1.14	1.14	(X)	(X)	(X)	(X)
Food products.....	0.90	0.90	0.91	0.90	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.74	1.78	1.80	1.82	(X)	(X)	(X)	(X)
Textiles.....	1.73	1.72	1.70	1.71	(X)	(X)	(X)	(X)
Textile products.....	1.85	1.87	1.88	1.88	(X)	(X)	(X)	(X)
Apparel.....	2.65	2.52	2.51	2.70	(X)	(X)	(X)	(X)
Leather and allied products.....	2.68	2.69	2.65	2.66	(X)	(X)	(X)	(X)
Paper products.....	1.05	1.05	1.05	1.05	(X)	(X)	(X)	(X)
Printing.....	0.95	0.97	0.97	0.96	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.73	0.72	0.72	0.73	(X)	(X)	(X)	(X)
Chemical products.....	1.46	1.47	1.47	1.47	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.38	1.40	1.42	1.42	(X)	(X)	(X)	(X)

X Not Applicable
^p Preliminary
^ʹ Revised data due to late receipts and concurrent seasonal adjustment.
² 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.
³ 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-FY23-0265).
Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, June Full Report, August 3, 2023. 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	
	Jun ² 2023	Jun ³ 2022-May	Jun ² 2023	Jun ³ 2022-May	Jun ² 2023	Jun ³ 2022-May	Jun ² 2023	Jun ³ 2022-May
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.0	(X)	0.1
Durable goods industries.....	-0.1	0.2	-0.1	0.4	0.0	0.0	0.0	0.1
Wood products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.4	0.3	-0.5	0.3	-0.1	0.2	0.2	0.1
Fabricated metal products.....	0.0	0.2	-0.1	0.4	-0.1	0.1	0.0	0.1
Machinery.....	-0.1	0.3	-0.3	0.5	-0.1	0.1	0.1	0.1
Computers and electronic products.....	-0.1	0.2	0.1	0.4	0.1	0.1	-0.1	0.1
Electrical equipment, appliances, and components.....	0.0	0.3	0.0	0.5	0.0	0.2	-0.1	0.2
Transportation equipment.....	0.0	0.5	-0.1	1.1	0.0	0.1	-0.1	0.1
Furniture and related products.....	(X)	0.2	(X)	0.7	(X)	0.5	(X)	0.4
Miscellaneous products.....	(X)	0.3	(X)	0.3	(X)	0.1	(X)	0.1
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Beverage and tobacco products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Textiles.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6
Leather and allied products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Paper products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Printing.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Petroleum and coal products.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.5
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
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/>.
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