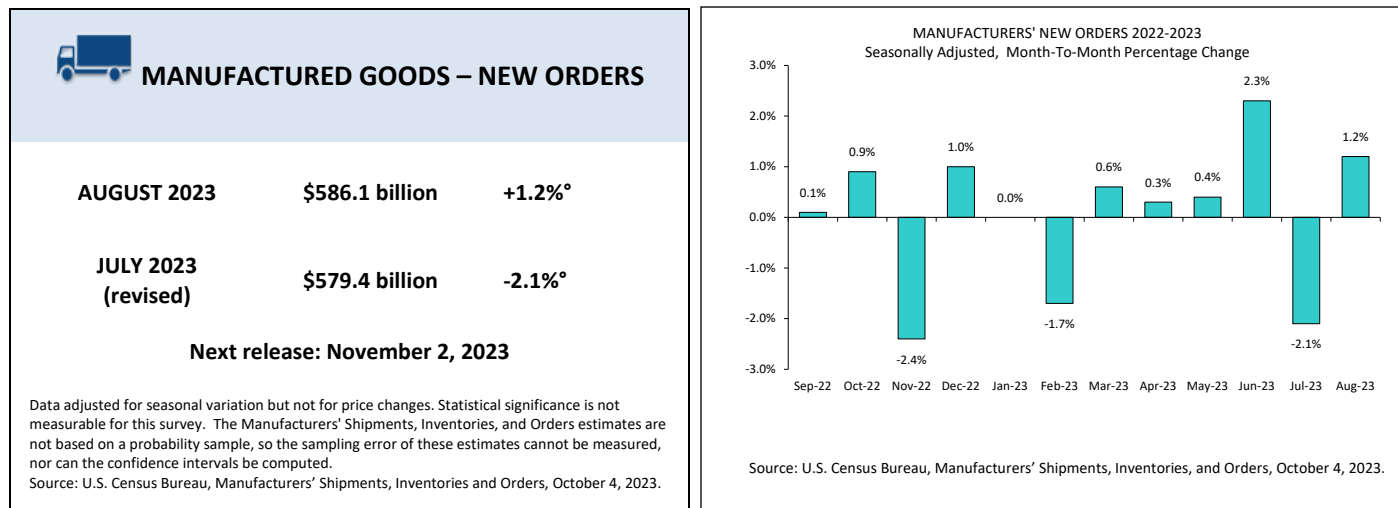


MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS AUGUST 2023

Release Number: CB 23-155 M3-2 (23)-08

October 4, 2023 — The U.S. Census Bureau announces the August full report on manufacturers' shipments, inventories and orders:



Summary

New orders for manufactured goods in August, up five of the last six months, increased \$6.7 billion or 1.2 percent to \$586.1 billion, the U.S. Census Bureau reported today. This followed a 2.1 percent July decrease. Shipments, up four consecutive months, increased \$7.7 billion or 1.3 percent to \$586.0 billion. This followed a 0.7 percent July increase. Unfilled orders, up eight of the last nine months, increased \$5.0 billion or 0.4 percent to \$1,335.9 billion. This followed a 0.5 percent July increase. The unfilled orders-to-shipments ratio was 6.78, down from 6.80 in July. Inventories, up two consecutive months, increased \$2.8 billion or 0.3 percent to \$855.4 billion. This followed a 0.1 percent July increase. The inventories-to-shipments ratio was 1.46, down from 1.47 in July.

New Orders

New orders for manufactured durable goods in August, up five of the last six months, increased \$0.4 billion or 0.1 percent to \$284.7 billion, down from the previously published 0.2 percent increase. This followed a 5.6 percent July decrease. Fabricated metal products, up six of the last seven months, led the increase, \$0.2 billion or 0.6 percent to \$36.0 billion. New orders for manufactured nondurable goods increased \$6.3 billion or 2.1 percent to \$301.4 billion.

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Shipments

Shipments of manufactured durable goods in August, up three of the last four months, increased \$1.5 billion or 0.5 percent to \$284.6 billion, unchanged from the previously published increase. This followed a 0.1 percent July decrease. Transportation equipment, up following two consecutive monthly decreases, led the increase, \$0.8 billion or 0.9 percent to \$92.5 billion. Shipments of manufactured nondurable goods, up three consecutive months, increased \$6.3 billion or 2.1 percent to \$301.4 billion. This followed a 1.5 percent July increase. Petroleum and coal products, also up three consecutive months, led the increase, \$5.8 billion or 8.8 percent to \$71.5 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in August, up eight of the last nine months, increased \$5.0 billion or 0.4 percent to \$1,335.9 billion, unchanged from the previously published increase. This followed a 0.5 percent July increase. Transportation equipment, also up eight of the last nine months, drove the increase, \$5.3 billion or 0.6 percent to \$838.7 billion.

Inventories

Inventories of manufactured durable goods in August, up following two consecutive monthly decreases, increased \$1.1 billion or 0.2 percent to \$523.4 billion, unchanged from the previously published increase. This followed a virtually unchanged July decrease. Transportation equipment, also up following two consecutive monthly decreases, led the increase, \$0.4 billion or 0.2 percent to \$164.4 billion. Inventories of manufactured nondurable goods, up two consecutive months, increased \$1.7 billion or 0.5 percent to \$332.0 billion. This followed a 0.3 percent July increase. Petroleum and coal products, also up two consecutive months, drove the increase, \$2.2 billion or 4.8 percent to \$48.5 billion. By stage of fabrication, August materials and supplies decreased 0.2 percent in durable goods and increased 0.3 percent in nondurable goods. Work in process increased 0.4 percent in durable goods and 2.6 percent in nondurable goods. Finished goods increased 0.5 percent in durable goods and decreased 0.2 percent in nondurable goods.

The Advance Report on durable goods for September is scheduled for release on October 26, 2023, at 8:30 a.m. EDT and the Full Report on November 2, 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:

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

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.

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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		
	Aug. 2023 ^p	July 2023 ^r	June 2023	July - Aug.	June - July	May - June	Aug. 2023 ^p	July 2023 ^r	June 2023	Aug. 2022	2023 ^p	2022	% Change 2023/ 2022
All manufacturing industries.....	585,981	578,270	574,298	1.3	0.7	0.2	611,630	552,030	609,697	607,864	4,608,541	4,585,256	0.5
Excluding transportation.....	493,511	486,611	482,379	1.4	0.9	0.3	514,829	475,579	508,500	518,617	3,897,477	3,942,317	-1.1
Excluding defense.....	570,120	562,647	558,500	1.3	0.7	0.1	595,931	538,095	593,037	593,374	4,488,315	4,474,263	0.3
With unfilled orders.....	196,908	195,695	196,617	0.6	-0.5	0.3	204,645	180,298	215,042	198,514	1,552,666	1,489,716	4.2
Durable goods industries.....	284,597	283,138	283,448	0.5	-0.1	0.0	298,282	259,904	307,882	288,876	2,240,293	2,150,894	4.2
Wood products.....	13,415	13,354	13,332	0.5	0.2	-0.4	14,339	13,509	14,647	14,492	108,642	111,318	-2.4
Nonmetallic mineral products.....	13,302	13,277	13,289	0.2	-0.1	-0.1	14,926	13,578	14,752	14,751	106,765	104,492	2.2
Primary metals.....	26,496	26,610	26,824	-0.4	-0.8	-0.3	28,106	25,422	28,463	28,802	218,143	221,688	-1.6
Iron and steel mills.....	14,531	14,618	14,834	-0.6	-1.5	-0.7	15,408	14,132	15,730	16,190	120,773	120,662	0.1
Aluminum and nonferrous metals.....	10,352	10,398	10,366	-0.4	0.3	0.4	10,982	9,802	10,909	10,907	83,748	88,217	-5.1
Ferrous metal foundries.....	1,613	1,594	1,624	1.2	-1.8	-1.6	1,716	1,488	1,824	1,705	13,622	12,809	6.3
Fabricated metal products.....	35,784	35,701	35,688	0.2	0.0	1.0	38,227	34,305	37,895	38,317	285,570	286,982	-0.5
Machinery.....	38,288	37,941	37,792	0.9	0.4	0.3	39,517	35,783	41,428	37,987	303,051	292,233	3.7
Farm machinery.....	2,704	2,616	2,593	3.4	0.9	1.7	2,680	2,594	2,709	3,286	21,092	27,749	-24.0
Construction machinery.....	4,366	4,197	4,327	4.0	-3.0	-0.5	4,388	4,024	4,915	3,820	34,766	29,343	18.5
Mining, oil field, and gas field machinery.....	1,733	1,765	1,684	-1.8	4.8	-6.4	1,724	1,689	1,695	1,542	13,626	11,330	20.3
Industrial machinery.....	3,610	3,698	3,675	-2.4	0.6	9.7	3,565	3,503	4,249	3,680	28,574	29,097	-1.8
Photographic equipment.....	631	645	654	-2.2	-1.4	-1.4	622	605	750	616	4,998	4,817	3.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,139	5,021	4,835	2.4	3.8	-0.6	5,818	5,153	5,906	5,190	39,892	36,920	8.0
Metalworking machinery.....	2,732	2,676	2,650	2.1	1.0	-4.1	2,802	2,376	2,806	2,849	21,514	21,919	-1.8
Turbines, generators, and other power transmission equipment.....	3,878	3,875	4,019	0.1	-3.6	-1.4	4,093	3,670	4,081	3,824	31,690	28,427	11.5
Material handling equipment.....	4,268	4,162	4,155	2.5	0.2	2.3	4,502	3,703	4,365	3,775	32,167	28,766	11.8
Computers and electronic products ²	29,420	29,336	29,227	0.3	0.4	-0.1	29,601	27,506	31,366	29,379	226,666	221,691	2.2
Computers.....	889	855	823	4.0	3.9	-2.4	953	854	992	811	6,498	5,839	11.3
Computer storage devices.....	416	428	377	-2.8	13.5	-11.9	390	388	500	333	3,111	2,757	12.8
Other peripheral equipment.....	747	693	811	7.8	-14.5	3.8	704	643	971	661	5,842	4,374	33.6
Nondefense communications equipment.....	2,806	2,826	2,818	-0.7	0.3	1.4	2,489	2,476	3,514	2,647	21,563	21,888	-1.5
Defense communications equipment....	202	209	198	-3.3	5.6	-3.4	209	201	200	204	1,582	1,523	3.9
Audio and video equipment.....	620	749	518	-17.2	44.6	8.6	581	658	434	378	3,507	3,148	11.4
Electronic components.....	4,800	4,635	4,710	3.6	-1.6	0.7	5,187	4,503	5,031	5,043	37,724	37,170	1.5
Nondefense search and navigation equipment.....	1,605	1,621	1,628	-1.0	-0.4	-1.3	1,638	1,427	1,756	1,652	12,712	12,520	1.5
Defense search and navigation equipment.....	3,323	3,315	3,296	0.2	0.6	0.1	3,288	3,110	3,397	3,138	25,328	24,343	4.0
Electromedical, measuring, and control instruments.....	8,974	8,898	8,907	0.9	-0.1	0.2	8,993	8,270	9,734	8,935	68,643	67,776	1.3
Electrical equipment, appliances, and components.....	14,220	14,042	14,037	1.3	0.0	-0.1	15,041	13,157	15,633	13,892	112,079	103,176	8.6
Electric lighting equipment.....	1,337	1,309	1,313	2.1	-0.3	1.3	1,414	1,262	1,398	1,297	10,300	9,569	7.6
Household appliances.....	2,361	2,340	2,350	0.9	-0.4	-0.6	2,521	1,999	2,602	2,545	18,393	18,559	-0.9
Electrical equipment.....	4,689	4,677	4,595	0.3	1.8	0.8	4,919	4,365	5,422	4,191	37,106	31,687	17.1
Batteries.....	1,393	1,389	1,317	0.3	5.5	1.5	1,512	1,227	1,352	1,086	10,334	7,425	39.2
Transportation equipment.....	92,470	91,659	91,919	0.9	-0.3	-0.1	96,801	76,451	101,197	89,247	711,064	642,939	10.6
Automobiles.....	9,533	9,080	9,002	5.0	0.9	-1.7	10,886	7,096	9,442	9,545	71,307	63,422	12.4
Light trucks and utility vehicles.....	21,479	21,909	21,470	-2.0	2.0	-1.3	23,326	17,488	22,888	21,704	166,055	153,203	8.4
Heavy duty trucks	3,052	2,986	2,972	2.2	0.5	-0.2	3,130	2,775	3,231	2,661	23,418	19,103	22.6
Motor vehicle bodies, parts, and trailers.....	29,169	29,172	29,094	0.0	0.3	0.6	31,526	25,511	30,605	31,049	234,507	225,768	3.9
Nondefense aircraft and parts.....	13,660	13,139	13,788	4.0	-4.7	-0.2	12,435	10,176	18,384	9,446	94,930	68,871	37.8
Defense aircraft and parts.....	4,700	4,772	4,829	-1.5	-1.2	1.0	4,796	4,243	5,300	4,646	36,960	34,914	5.9
Ships and boats.....	3,676	3,460	3,705	6.2	-6.6	-1.3	3,610	3,052	3,994	3,564	29,818	27,703	7.6
Furniture and related products.....	6,715	6,712	6,876	0.0	-2.4	0.4	7,225	6,723	7,175	7,409	54,655	54,435	0.4
Miscellaneous durable goods.....	14,487	14,506	14,464	-0.1	0.3	-1.0	14,499	13,470	15,326	14,600	113,658	111,940	1.5
Nondurable goods industries.....	301,384	295,132	290,850	2.1	1.5	0.4	313,348	292,126	301,815	318,988	2,368,248	2,434,362	-2.7
Food products.....	79,595	79,500	79,247	0.1	0.3	-0.1	81,758	76,969	79,276	81,940	631,510	629,508	0.3
Grain and oilseed milling.....	9,661	9,702	9,755	-0.4	-0.5	-0.2	10,174	9,436	9,758	10,643	78,992	79,144	-0.2
Dairy products.....	11,390	11,435	11,507	-0.4	-0.6	-0.5	11,651	11,310	11,534	12,090	92,268	92,937	-0.7
Meat, poultry, and seafood products...	23,915	23,920	23,868	0.0	0.2	-0.6	24,450	23,552	24,935	25,135	192,219	198,009	-2.9
Beverage and tobacco products.....	17,902	17,832	17,815	0.4	0.1	2.2	18,539	17,954	18,599	17,112	138,844	123,891	12.1
Beverages.....	11,005	10,974	10,782	0.3	1.8	1.0	11,642	11,096	11,566	10,889	86,279	80,498	7.2
Tobacco.....	6,897	6,858	7,033	0.6	-2.5	3.9	6,897	6,858	7,033	6,223	52,565	43,393	21.1
Textile mills.....	2,077	2,098	2,092	-1.0	0.3	-0.5	2,234	2,099	2,207	2,452	17,142	18,450	-7.1
Textile products.....	1,993	1,975	1,990	0.9	-0.8	0.1	2,083	1,990	2,139	2,156	16,261	16,885	-3.7
Apparel.....	849	856	824	-0.8	3.9	-5.3	895	832	782	872	6,549	6,308	3.8
Leather and allied products.....	473	476	478	-0.6	-0.4	0.2	492	472	482	492	3,905	3,552	9.9
Paper products.....	17,191	17,265	17,406	-0.4	-0.8	-0.3	18,108	16,927	17,949	18,144	139,855	138,189	1.2
Pulp, paper, and paperboard mills.....	6,773	6,836	6,948	-0.9	-1.6	0.2	7,061	6,848	7,017	7,009	55,757	53,662	3.9
Paperboard containers.....	6,338	6,308	6,330	0.5	-0.3	-0.8	6,897	6,094	6,681	6,852	50,795	50,924	-0.3
Printing.....	7,252	7,310	7,319	-0.8	-0.1	2.0	7,444	7,010	7,382	7,543	57,430	56,390	1.8
Petroleum and coal products.....	71,511	65,733	61,799	8.8	6.4	0.6	75,645	69,753	65,734	82,702	536,502	626,783	-14.4
Petroleum refineries.....	66,628	60,907	56,968	9.4	6.9	0.7	69,931	64,476	60,201	77,119	498,060	589,817	-15.6
Chemical products.....	77,831	77,489	77,272	0.4	0.3	0.3	80,099	74,295	80,905	78,991	621,676	611,869	1.6
Pesticides, fertilizers, and other agricultural chemicals.....	3,978	3,982	3,852	-0.1	3.4	2.7	3,269	3,161	3,942	3,213	32,214	33,063	-2.6
Pharmaceuticals and medicines.....	25,006	24,833	24,733	0.7	0.4	1.1	25,834	23,601	25,604	24,118	194,249	179,071	8.5
Paints, coatings, and adhesives.....	4,192	4,161	4,166	0.7	-0.1	1.3	4,630	4,105	4,558	4,632	34,213	34,280	-0.2
Plastics and rubber products.....	24,710	24,598	24,608	0.5	0.0	0.6	26,051	23,825	26,360	26,584	198,574	202,537	-2.0

^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 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, August Full Report, October 4, 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		
	Aug. 2023 ^p	July 2023 ^r	June 2023	July - Aug.	June - July	May - June	Aug. 2023 ^p	July 2023 ^r	June 2023	Aug. 2022	2023 ^p	2022	% Change 2023/ 2022
All manufacturing industries ²	586,086	579,414	592,112	1.2	-2.1	2.3	603,884	553,738	626,053	601,046	4,629,821	4,605,780	0.5
Excluding transportation ²	488,341	481,416	477,014	1.4	0.9	0.3	505,818	469,994	500,938	509,619	3,862,426	3,920,691	-1.5
Excluding defense ²	568,519	564,152	577,101	0.8	-2.2	3.0	589,559	542,886	608,257	585,878	4,503,478	4,494,354	0.2
With unfilled orders ²	201,901	201,793	219,419	0.1	-8.0	6.3	201,913	186,837	236,087	197,115	1,612,916	1,549,409	4.1
Durable goods industries ²	284,702	284,282	301,262	0.1	-5.6	4.3	290,536	261,612	324,238	282,058	2,261,573	2,171,418	4.2
Primary metals.....	26,594	26,872	26,933	-1.0	-0.2	0.1	27,606	25,632	28,182	27,008	218,238	221,470	-1.5
Iron and steel mills.....	14,708	14,817	14,906	-0.7	-0.6	-0.4	15,353	14,373	15,611	15,248	121,490	121,165	0.3
Aluminum and nonferrous metals.....	10,320	10,493	10,385	-1.6	1.0	1.1	10,611	9,773	10,793	10,058	83,194	87,122	-4.5
Ferrous metal foundries.....	1,566	1,562	1,642	0.3	-4.9	-1.2	1,642	1,486	1,778	1,702	13,554	13,183	2.8
Fabricated metal products.....	36,026	35,798	35,539	0.6	0.7	0.8	37,740	34,293	37,311	37,566	289,718	292,537	-1.0
Machinery.....	37,795	37,584	37,298	0.6	0.8	-0.6	38,266	35,629	39,706	37,977	302,698	299,964	0.9
Construction machinery.....	4,119	4,125	4,278	-0.1	-3.6	-1.9	3,930	3,928	4,504	3,685	33,660	30,156	11.6
Mining, oil field, and gas field machinery.....	1,711	1,679	1,502	1.9	11.8	-12.1	1,702	1,603	1,513	1,665	13,253	11,379	16.5
Industrial machinery.....	3,646	3,470	3,314	5.1	4.7	-9.0	3,442	3,336	3,697	3,559	28,796	30,887	-6.8
Photographic equipment.....	597	595	616	0.3	-3.4	-4.2	564	562	588	641	4,948	4,735	4.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,036	4,892	4,883	2.9	0.2	2.0	5,466	5,020	5,661	5,357	40,250	39,405	2.1
Metalworking machinery.....	2,594	2,682	2,573	-3.3	4.2	-0.5	2,609	2,563	2,565	2,748	21,247	22,131	-4.0
Turbines, generators, and other power transmission equipment.....	3,990	4,125	4,289	-3.3	-3.8	5.8	4,205	3,920	4,351	3,764	32,010	28,207	13.5
Material handling equipment.....	4,175	4,177	4,149	0.0	0.7	2.6	4,283	3,629	4,639	3,948	32,080	30,028	6.8
Computers and electronic products ²	24,396	24,316	24,458	0.3	-0.6	1.2	23,398	22,204	26,919	23,108	186,848	183,085	2.1
Computers.....	876	867	834	1.0	4.0	3.2	940	866	1,003	802	6,499	5,829	11.5
Nondefense communications equipment.....	2,765	2,757	2,753	0.3	0.1	4.0	2,360	2,266	3,391	2,546	20,623	21,771	-5.3
Defense communications equipment.....	198	207	200	-4.3	3.5	-4.3	207	202	204	203	1,569	1,493	5.1
Electronic components.....	4,648	4,484	4,658	3.7	-3.7	-0.2	4,915	4,443	4,796	4,934	36,611	37,245	-1.7
Nondefense search and navigation equipment.....	1,702	1,723	1,718	-1.2	0.3	-3.2	1,714	1,524	1,895	1,753	13,728	13,696	0.2
Defense search and navigation equipment.....	3,197	3,315	3,518	-3.6	-5.8	5.0	2,759	2,821	3,957	2,729	25,615	23,487	9.1
Electromedical, measuring, and control instruments.....	9,077	8,940	8,918	1.5	0.2	0.6	8,673	8,248	9,620	8,611	68,557	68,101	0.7
Electrical equipment, appliances, and components.....	14,325	14,178	14,222	1.0	-0.3	0.4	14,949	13,254	15,493	14,090	113,527	106,953	6.1
Electric lighting equipment.....	1,303	1,297	1,344	0.5	-3.5	-1.4	1,336	1,201	1,568	1,358	10,420	9,741	7.0
Household appliances.....	2,670	2,577	2,385	3.6	8.1	0.1	2,759	2,205	2,530	2,488	18,850	17,875	5.5
Electrical equipment.....	4,519	4,520	4,555	0.0	-0.8	-2.3	4,748	4,404	5,094	4,326	37,786	35,378	6.8
Transportation equipment.....	97,745	97,998	115,098	-0.3	-14.9	11.9	98,066	83,744	125,115	91,427	767,395	685,089	12.0
Motor vehicle bodies, parts, and trailers.....	29,191	29,107	29,206	0.3	-0.3	1.1	31,363	25,327	29,959	30,816	233,819	224,741	4.0
Nondefense aircraft and parts.....	17,136	20,370	37,499	-15.9	-45.7	71.1	14,788	20,995	41,930	10,436	146,851	110,520	32.9
Defense aircraft and parts.....	5,829	4,890	5,334	19.2	-8.3	2.0	5,378	3,425	6,278	5,918	41,594	36,799	13.0
Ships and boats.....	4,090	3,438	2,564	19.0	34.1	-57.8	2,265	2,412	3,702	4,954	30,112	29,414	2.4
Furniture and related products.....	6,625	6,480	6,660	2.2	-2.7	-0.6	6,755	6,380	6,818	7,039	54,359	54,293	0.1
Nondurable goods industries.....	301,384	295,132	290,850	2.1	1.5	0.4	313,348	292,126	301,815	318,988	2,368,248	2,434,362	-2.7

^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, August Full Report, October 4, 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 August 2023/ 2022
	Aug. 2023 ^p	July 2023 ^r	June 2023	July - Aug.	June - July	May - June	Aug. 2023 ^p	July 2023 ^r	June 2023	Aug. 2022	
All manufacturing industries ²	1,335,868	1,330,875	1,324,777	0.4	0.5	1.8	1,330,546	1,333,278	1,326,739	1,249,047	6.5
Excluding transportation ²	497,161	497,443	497,684	-0.1	0.0	-0.1	496,303	500,300	501,054	499,667	-0.7
Excluding defense ²	1,091,294	1,088,007	1,081,548	0.3	0.6	2.2	1,089,701	1,091,059	1,081,437	1,020,871	6.7
Durable goods industries ²	1,335,868	1,330,875	1,324,777	0.4	0.5	1.8	1,330,546	1,333,278	1,326,739	1,249,047	6.5
Primary metals.....	38,186	38,088	37,826	0.3	0.7	0.3	37,861	38,361	38,151	37,797	0.2
Iron and steel mills.....	23,077	22,900	22,701	0.8	0.9	0.3	23,178	23,233	22,992	22,562	2.7
Aluminum and nonferrous metals.....	10,564	10,596	10,501	-0.3	0.9	0.2	10,155	10,526	10,555	10,739	-5.4
Ferrous metal foundries.....	4,545	4,592	4,624	-1.0	-0.7	0.4	4,528	4,602	4,604	4,496	0.7
Fabricated metal products.....	129,245	129,003	128,906	0.2	0.1	-0.1	130,572	131,059	131,071	132,020	-1.1
Machinery.....	138,566	139,059	139,416	-0.4	-0.3	-0.4	138,004	139,255	139,409	139,392	-1.0
Construction machinery.....	10,641	10,888	10,960	-2.3	-0.7	-0.4	10,281	10,739	10,835	12,157	-15.4
Mining, oil field, and gas field machinery.....	4,939	4,961	5,047	-0.4	-1.7	-3.5	4,939	4,961	5,047	5,285	-6.5
Industrial machinery.....	11,954	11,918	12,146	0.3	-1.9	-2.9	11,905	12,028	12,195	11,813	0.8
Photographic equipment.....	3,994	4,028	4,078	-0.8	-1.2	-0.9	3,793	3,851	3,894	3,542	7.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	13,410	13,513	13,642	-0.8	-0.9	0.4	13,310	13,662	13,795	12,548	6.1
Metalworking machinery.....	9,482	9,620	9,614	-1.4	0.1	-0.8	9,517	9,710	9,523	10,433	-8.8
Turbines, generators, and other power transmission equipment.....	32,448	32,336	32,086	0.3	0.8	0.8	32,448	32,336	32,086	32,105	1.1
Material handling equipment.....	19,338	19,431	19,416	-0.5	0.1	0.0	19,153	19,372	19,446	18,300	4.7
Computers and electronic products ²	134,575	134,711	134,777	-0.1	0.0	0.2	133,542	134,731	135,202	133,221	0.2
Computers.....	1,284	1,297	1,285	-1.0	0.9	0.9	1,284	1,297	1,285	1,317	-2.5
Nondefense communications equipment.....	16,819	16,860	16,929	-0.2	-0.4	-0.4	16,607	16,736	16,946	17,444	-4.8
Defense communications equipment.....	234	238	240	-1.7	-0.8	0.8	233	235	234	254	-8.3
Electronic components.....	16,576	16,728	16,879	-0.9	-0.9	-0.3	16,398	16,670	16,730	17,563	-6.6
Nondefense search and navigation equipment.....	31,360	31,263	31,161	0.3	0.3	0.3	31,395	31,319	31,222	29,982	4.7
Defense search and navigation equipment.....	36,101	36,227	36,227	-0.3	0.0	0.6	35,810	36,339	36,628	35,238	1.6
Electromedical, measuring, and control instruments.....	32,201	32,098	32,056	0.3	0.1	0.0	31,815	32,135	32,157	31,423	1.2
Electrical equipment, appliances, and components.....	43,950	43,845	43,709	0.2	0.3	0.4	43,863	43,955	43,858	43,254	1.4
Electric lighting equipment.....	3,856	3,890	3,902	-0.9	-0.3	0.8	3,823	3,901	3,962	3,418	11.8
Household appliances.....	5,230	4,921	4,684	6.3	5.1	0.8	5,037	4,799	4,593	3,977	26.7
Electrical equipment.....	22,217	22,387	22,544	-0.8	-0.7	-0.2	22,424	22,595	22,556	23,514	-4.6
Transportation equipment.....	838,707	833,432	827,093	0.6	0.8	2.9	834,243	832,978	825,685	749,380	11.3
Motor vehicle bodies, parts, and trailers.....	35,170	35,148	35,213	0.1	-0.2	0.3	34,253	34,416	34,600	34,878	-1.8
Nondefense aircraft and parts.....	582,663	579,187	571,956	0.6	1.3	4.3	582,636	580,283	569,464	508,211	14.6
Defense aircraft and parts.....	73,033	71,904	71,786	1.6	0.2	0.7	71,936	71,354	72,172	67,693	6.3
Ships and boats.....	56,624	56,210	56,232	0.7	0.0	-2.0	55,480	56,825	57,465	54,346	2.1
Furniture and related products.....	10,624	10,714	10,946	-0.8	-2.1	-1.9	10,446	10,916	11,259	11,705	-10.8

^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, August Full Report, October 4, 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 August 2023/ 2022
	Aug. 2023 ^p	July 2023 ^r	June 2023	July - Aug.	June - July	May - June	Aug. 2023 ^p	July 2023 ^r	June 2023	Aug. 2022	
All manufacturing industries.....	855,423	852,634	851,905	0.3	0.1	-0.2	856,566	856,380	851,895	857,089	-0.1
Excluding transportation.....	691,033	688,650	687,840	0.3	0.1	-0.2	690,100	691,103	688,534	692,075	-0.3
Excluding defense.....	825,890	823,235	822,463	0.3	0.1	-0.2	826,879	826,980	822,357	828,396	-0.2
With unfilled orders.....	423,202	422,303	422,620	0.2	-0.1	0.0	425,022	424,937	423,468	419,196	1.4
Durable goods industries.....	523,380	522,327	522,478	0.2	0.0	0.0	525,538	524,796	522,292	519,516	1.2
Wood products.....	15,871	15,832	15,831	0.2	0.0	-1.2	15,610	15,518	15,575	16,453	-5.1
Nonmetallic mineral products.....	17,278	17,196	17,108	0.5	0.5	0.0	17,167	17,268	17,208	16,365	4.9
Primary metals.....	46,532	46,475	46,588	0.1	-0.2	-0.5	46,263	46,661	46,945	47,865	-3.3
Iron and steel mills.....	27,383	27,317	27,344	0.2	-0.1	-0.3	27,091	27,470	27,651	28,038	-3.4
Aluminum and nonferrous metals.....	16,004	16,030	16,091	-0.2	-0.4	-1.0	16,069	16,110	16,128	16,881	-4.8
Ferrous metal foundries.....	3,145	3,128	3,153	0.5	-0.8	-0.2	3,103	3,081	3,166	2,946	5.3
Fabricated metal products.....	64,841	64,785	64,966	0.1	-0.3	0.3	65,002	65,527	65,253	65,458	-0.7
Machinery.....	94,909	94,687	94,737	0.2	-0.1	0.2	94,653	94,256	94,807	89,200	6.1
Farm machinery.....	5,699	5,766	5,765	-1.2	0.0	0.9	5,480	5,609	5,616	5,877	-6.8
Construction machinery.....	9,621	9,470	9,456	1.6	0.1	0.6	9,484	9,368	9,381	8,398	12.9
Mining, oil field, and gas field machinery.....	5,853	5,798	5,868	0.9	-1.2	0.1	5,872	5,799	5,950	5,261	11.6
Industrial machinery.....	11,324	11,181	11,248	1.3	-0.6	-0.3	11,385	10,726	11,566	10,682	6.6
Photographic equipment.....	1,459	1,462	1,466	-0.2	-0.3	-0.5	1,491	1,470	1,435	1,449	2.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	9,637	9,688	9,709	-0.5	-0.2	1.5	9,438	9,633	9,736	8,317	13.5
Metalworking machinery.....	7,440	7,451	7,428	-0.1	0.3	0.7	7,487	7,562	7,419	7,288	2.7
Turbines, generators, and other power transmission equipment.....	12,027	12,075	11,883	-0.4	1.6	0.4	12,003	12,308	11,892	11,036	8.8
Material handling equipment.....	7,982	7,927	8,003	0.7	-0.9	-2.1	8,077	7,912	7,992	7,404	9.1
Computers and electronic products ²	55,156	54,965	54,857	0.3	0.2	-0.2	55,476	55,395	54,641	55,220	0.5
Computers.....	1,880	1,883	1,924	-0.2	-2.1	-1.5	1,973	1,924	2,003	2,252	-12.4
Computer storage devices.....	609	618	630	-1.5	-1.9	1.1	642	639	618	713	-10.0
Other peripheral equipment.....	1,052	1,066	1,059	-1.3	0.7	1.5	1,061	1,043	1,040	1,027	3.3
Nondefense communications equipment.....	4,369	4,368	4,373	0.0	-0.1	-0.3	4,476	4,390	4,346	4,481	-0.1
Defense communications equipment.....	640	645	634	-0.8	1.7	0.0	640	645	634	601	6.5
Audio and video equipment.....	747	780	780	-4.2	0.0	-4.9	720	749	788	857	-16.0
Electronic components.....	10,729	10,646	10,526	0.8	1.1	-1.2	10,442	10,777	10,449	11,042	-5.4
Nondefense search and navigation equipment.....	4,252	4,219	4,211	0.8	0.2	0.4	4,322	4,261	4,177	4,141	4.4
Defense search and navigation equipment.....	3,340	3,337	3,348	0.1	-0.3	0.3	3,361	3,365	3,349	3,371	-0.3
Electromedical, measuring and control instruments.....	19,004	18,971	19,004	0.2	-0.2	-0.2	19,373	19,206	18,934	18,811	3.0
Electrical equipment, appliances, and components.....	26,409	26,338	26,304	0.3	0.1	0.4	26,585	26,581	26,522	25,441	4.5
Electric lighting equipment.....	2,521	2,531	2,532	-0.4	0.0	0.0	2,524	2,524	2,527	2,538	-0.6
Household appliances.....	3,588	3,608	3,636	-0.6	-0.8	0.4	3,727	3,734	3,675	3,832	-2.7
Electrical equipment.....	9,941	9,872	9,840	0.7	0.3	1.9	9,943	9,936	9,883	9,017	10.3
Batteries.....	1,908	1,900	1,894	0.4	0.3	0.2	1,959	1,967	2,009	1,859	5.4
Transportation equipment.....	164,390	163,984	164,065	0.2	0.0	0.0	166,466	165,277	163,361	165,014	0.9
Automobiles.....	5,894	5,936	5,879	-0.7	1.0	0.4	6,157	6,032	5,706	5,864	5.0
Light trucks and utility vehicles.....	9,222	9,175	9,335	0.5	-1.7	-2.5	9,723	9,236	8,969	10,346	-6.0
Heavy duty trucks	2,909	2,861	2,856	1.7	0.2	-0.6	2,927	2,888	2,903	2,885	1.5
Motor vehicle bodies, parts, and trailers.....	35,559	35,577	35,373	-0.1	0.6	0.5	35,595	36,172	35,158	35,064	1.5
Nondefense aircraft and parts.....	77,621	77,433	77,607	0.2	-0.2	-0.1	78,544	77,803	77,658	78,870	-0.4
Defense aircraft and parts.....	14,074	14,109	14,184	-0.2	-0.5	0.1	14,124	14,136	14,169	13,915	1.5
Ships and boats.....	4,695	4,671	4,661	0.5	0.2	1.6	4,790	4,613	4,737	4,746	0.9
Furniture and related products.....	10,187	10,226	10,243	-0.4	-0.2	-1.1	10,238	10,308	10,364	10,664	-4.0
Miscellaneous durable goods.....	27,807	27,839	27,779	-0.1	0.2	0.3	28,078	28,005	27,616	27,836	0.9
Nondurable goods industries.....	332,043	330,307	329,427	0.5	0.3	-0.4	331,028	331,584	329,603	337,573	-1.9
Food products.....	70,962	70,999	71,423	-0.1	-0.6	-0.3	70,302	69,832	69,645	70,350	-0.1
Grain and oilseed milling.....	7,628	7,686	7,723	-0.8	-0.5	0.4	7,370	7,560	7,482	7,773	-5.2
Dairy products.....	10,814	10,792	10,820	0.2	-0.3	-0.7	10,875	11,119	11,168	10,458	4.0
Meat, poultry, and seafood products.....	13,173	13,190	13,191	-0.1	0.0	-0.1	13,387	13,190	12,931	13,769	-2.8
Beverage and tobacco products.....	31,095	31,034	31,106	0.2	-0.2	0.3	30,391	30,380	30,697	30,263	0.4
Beverages.....	27,451	27,382	27,416	0.3	-0.1	0.4	27,009	26,979	27,162	26,745	1.0
Tobacco.....	3,644	3,652	3,690	-0.2	-1.0	-0.5	3,382	3,401	3,535	3,518	-3.9
Textile mills.....	3,591	3,602	3,624	-0.3	-0.6	0.2	3,616	3,649	3,625	3,761	-3.9
Textile products.....	3,638	3,668	3,698	-0.8	-0.8	-0.7	3,644	3,651	3,664	3,974	-8.3
Apparel.....	2,182	2,189	2,190	-0.3	0.0	-0.2	2,266	2,278	2,265	2,360	-4.0
Leather and allied products.....	1,264	1,259	1,271	0.4	-0.9	-1.0	1,284	1,284	1,277	1,334	-3.7
Paper products.....	17,891	17,959	18,125	-0.4	-0.9	-1.1	18,029	18,217	18,151	18,664	-3.4
Pulp, paper, and paperboard mills.....	5,564	5,580	5,657	-0.3	-1.4	-1.1	5,576	5,630	5,669	5,616	-0.7
Paperboard containers.....	6,781	6,824	6,874	-0.6	-0.7	-1.4	6,846	6,932	6,850	7,031	-2.6
Printing.....	6,755	6,809	6,902	-0.8	-1.3	-1.0	6,828	6,736	6,813	7,280	-6.2
Petroleum and coal products.....	48,455	46,241	44,207	4.8	4.6	-0.4	48,415	48,251	46,551	49,966	-3.1
Petroleum refineries.....	41,753	39,445	37,373	5.9	5.5	-0.3	41,760	41,368	39,659	43,429	-3.8
Chemical products.....	112,573	112,698	112,804	-0.1	-0.1	-0.3	112,608	113,423	112,979	114,349	-1.5
Pesticides, fertilizers, and other agricultural chemicals.....	6,158	6,143	6,157	0.2	-0.2	1.1	5,969	5,920	5,920	5,946	0.4
Pharmaceuticals and medicines.....	47,697	47,759	47,558	-0.1	0.4	0.3	47,368	48,059	48,225	46,240	2.4
Paints, coatings, and adhesives.....	5,685	5,716	5,797	-0.5	-1.4	-1.1	5,615	5,736	5,827	5,857	-4.1
Plastics and rubber products.....	33,637	33,849	34,077	-0.6	-0.7	-0.8	33,645	33,883	33,936	35,272	-4.6

^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, August Full Report, October 4, 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
	Aug. 2023 ^p	July 2023 ^r	June 2023	July - Aug.	June - July	May - June	Aug. 2023 ^p	July 2023 ^r	June 2023	Aug. 2022	2023 ^p	2022	
<u>SHIPMENTS</u>													
All manufacturing industries.....	585,981	578,270	574,298	1.3	0.7	0.2	611,630	552,030	609,697	607,864	4,608,541	4,585,256	0.5
Construction materials and supplies.....	62,694	62,435	62,390	0.4	0.1	0.2	68,738	62,801	68,672	68,530	503,005	503,354	-0.1
Information technology.....	24,803	24,719	24,645	0.3	0.3	-0.2	24,697	23,081	27,255	24,306	190,916	186,105	2.6
Computers and related products.....	2,052	1,976	2,011	3.8	-1.7	-2.0	2,047	1,885	2,463	1,805	15,451	12,970	19.1
Motor vehicle and parts.....	63,233	63,147	62,538	0.1	1.0	-0.4	68,868	52,870	66,166	64,959	495,287	461,496	7.3
Capital goods.....	96,982	95,688	96,854	1.4	-1.2	0.4	96,506	87,035	108,742	91,382	748,955	697,837	7.3
Nondefense capital goods ³	83,358	82,330	83,296	1.2	-1.2	0.0	83,149	75,142	94,622	79,015	646,041	602,702	7.2
Excluding aircraft.....	74,375	73,835	74,034	0.7	-0.3	0.0	75,447	69,108	81,134	73,509	586,281	563,359	4.1
Defense capital goods ⁴	13,624	13,358	13,558	2.0	-1.5	2.6	13,357	11,893	14,120	12,367	102,914	95,135	8.2
Consumer goods.....	252,233	246,277	241,450	2.4	2.0	0.2	263,474	238,277	249,492	264,600	1,956,692	1,990,837	-1.7
Consumer durable goods.....	46,552	46,573	45,989	0.0	1.3	-1.1	50,210	38,814	48,727	47,300	359,724	338,231	6.4
Consumer nondurable goods.....	205,681	199,704	195,461	3.0	2.2	0.5	213,264	199,463	200,765	217,300	1,596,968	1,652,606	-3.4
<u>NEW ORDERS</u>													
All manufacturing industries ⁵	586,086	579,414	592,112	1.2	-2.1	2.3	603,884	553,738	626,053	601,046	4,629,821	4,605,780	0.5
Construction materials and supplies.....	62,669	62,187	62,265	0.8	-0.1	0.3	67,753	62,178	68,178	67,980	505,819	509,254	-0.7
Information technology.....	24,785	24,822	25,037	-0.1	-0.9	1.8	23,641	22,540	27,660	23,647	191,322	187,109	2.3
Computers and related products.....	2,039	1,988	2,022	2.6	-1.7	0.2	2,034	1,897	2,474	1,796	15,452	12,960	19.2
Motor vehicle and parts.....	63,255	63,082	62,650	0.3	0.7	-0.2	68,705	52,686	65,520	64,726	494,599	460,469	7.4
Capital goods.....	100,875	101,101	118,425	-0.2	-14.6	10.9	95,722	93,569	130,324	93,378	804,381	748,366	7.5
Nondefense capital goods ³	86,116	88,653	106,376	-2.9	-16.7	16.8	83,653	85,024	116,179	79,870	697,508	655,896	6.3
Excluding aircraft.....	73,946	73,267	73,559	0.9	-0.4	-0.4	73,623	68,342	79,168	73,170	586,107	574,258	2.1
Defense capital goods ⁴	14,759	12,448	12,049	18.6	3.3	-23.2	12,069	8,545	14,145	13,508	106,873	92,470	15.6
Consumer goods.....	252,515	246,355	241,403	2.5	2.1	0.2	263,564	238,448	249,231	264,466	1,956,873	1,990,071	-1.7
Consumer durable goods.....	46,834	46,651	45,942	0.4	1.5	-1.2	50,300	38,985	48,466	47,166	359,905	337,465	6.6
Consumer nondurable goods.....	205,681	199,704	195,461	3.0	2.2	0.5	213,264	199,463	200,765	217,300	1,596,968	1,652,606	-3.4
<u>UNFILLED ORDERS</u>													
All manufacturing industries ⁵	1,335,868	1,330,875	1,324,777	0.4	0.5	1.8	1,330,546	1,333,278	1,326,739	1,249,047	(X)	(X)	6.5
Construction materials and supplies.....	99,689	99,714	99,962	0.0	-0.2	-0.1	100,561	101,546	102,169	101,152	(X)	(X)	-0.6
Information technology.....	134,640	134,658	134,555	0.0	0.1	0.3	133,516	134,572	135,113	131,545	(X)	(X)	1.5
Computers and related products.....	1,284	1,297	1,285	-1.0	0.9	0.9	1,284	1,297	1,285	1,317	(X)	(X)	-2.5
Motor vehicle and parts.....	35,170	35,148	35,213	0.1	-0.2	0.3	34,253	34,416	34,600	34,878	(X)	(X)	-1.8
Capital goods.....	992,625	988,732	983,319	0.4	0.6	2.2	989,312	990,096	983,562	909,558	(X)	(X)	8.8
Nondefense capital goods ³	780,588	777,830	771,507	0.4	0.8	3.1	780,111	779,607	769,725	708,899	(X)	(X)	10.0
Excluding aircraft.....	271,480	271,909	272,477	-0.2	-0.2	-0.2	270,506	272,330	273,096	273,577	(X)	(X)	-1.1
Defense capital goods ⁴	212,037	210,902	211,812	0.5	-0.4	-0.7	209,201	210,489	213,837	200,659	(X)	(X)	4.3
Consumer goods.....	12,329	12,047	11,969	2.3	0.7	-0.4	12,059	11,969	11,798	11,629	(X)	(X)	3.7
Consumer durable goods.....	12,329	12,047	11,969	2.3	0.7	-0.4	12,059	11,969	11,798	11,629	(X)	(X)	3.7
<u>TOTAL INVENTORIES</u>													
All manufacturing industries.....	855,423	852,634	851,905	0.3	0.1	-0.2	856,566	856,380	851,895	857,089	(X)	(X)	-0.1
Construction materials and supplies.....	92,920	92,809	92,961	0.1	-0.2	-0.1	92,311	92,903	93,015	92,036	(X)	(X)	0.3
Information technology.....	45,967	45,940	45,995	0.1	-0.1	-0.4	46,650	46,267	45,897	46,057	(X)	(X)	1.3
Computers and related products.....	3,541	3,567	3,613	-0.7	-1.3	-0.2	3,676	3,606	3,661	3,992	(X)	(X)	-7.9
Motor vehicle and parts.....	53,584	53,549	53,443	0.1	0.2	-0.1	54,402	54,328	52,736	54,159	(X)	(X)	0.4
Capital goods.....	250,403	249,482	249,598	0.4	0.0	-0.1	252,351	250,233	250,276	245,376	(X)	(X)	2.8
Nondefense capital goods ³	226,078	225,296	225,378	0.3	0.0	-0.1	227,922	226,073	225,945	221,773	(X)	(X)	2.8
Excluding aircraft.....	162,495	161,958	161,880	0.3	0.0	0.1	163,321	162,294	162,130	156,513	(X)	(X)	4.3
Defense capital goods ⁴	24,325	24,186	24,220	0.6	-0.1	0.1	24,429	24,160	24,331	23,603	(X)	(X)	3.5
Consumer goods.....	255,003	253,067	251,661	0.8	0.6	-0.3	254,617	254,021	251,787	257,486	(X)	(X)	-1.1
Consumer durable goods.....	41,907	42,086	42,242	-0.4	-0.4	-0.9	43,005	42,348	41,548	44,482	(X)	(X)	-3.3
Consumer nondurable goods.....	213,096	210,981	209,419	1.0	0.7	-0.1	211,612	211,673	210,239	213,004	(X)	(X)	-0.7

^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, August Full Report, October 4, 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
	Aug. 2023 ^p	July 2023 ^r	June 2023	July - Aug.	June - July	May - June	Aug. 2023 ^p	July 2023 ^r	June 2023	Aug. 2022	August 2023/ 2022
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries.....	315,152	315,174	314,857	0.0	0.1	0.0	314,965	316,992	315,316	316,743	-0.6
Durable goods industries.....	197,220	197,620	197,469	-0.2	0.1	0.2	197,741	199,185	197,432	195,186	1.3
Wood products.....	7,556	7,593	7,632	-0.5	-0.5	-1.1	7,515	7,472	7,450	7,845	-4.2
Nonmetallic mineral products.....	7,728	7,715	7,707	0.2	0.1	-0.6	7,712	7,732	7,728	7,426	3.9
Primary metals.....	18,701	18,798	19,080	-0.5	-1.5	0.6	18,625	18,908	19,388	19,579	-4.9
Fabricated metal products.....	24,344	24,370	24,521	-0.1	-0.6	0.1	24,481	24,642	24,604	25,977	-5.8
Machinery.....	40,956	40,806	40,392	0.4	1.0	-0.1	40,842	40,970	40,381	38,494	6.1
Computers and electronic products.....	26,740	26,690	26,627	0.2	0.2	0.3	27,042	26,960	26,728	26,034	3.9
Electrical equipment, appliances, and components.....	12,752	12,673	12,662	0.6	0.1	0.1	12,839	12,835	12,779	12,134	5.8
Transportation equipment.....	43,463	43,937	43,794	-1.1	0.3	0.6	43,602	44,509	43,314	42,647	2.2
Furniture and related products.....	5,240	5,245	5,264	-0.1	-0.4	-0.9	5,246	5,268	5,361	5,379	-2.5
Miscellaneous products.....	9,740	9,793	9,790	-0.5	0.0	0.3	9,837	9,889	9,699	9,671	1.7
Nondurable goods industries.....	117,932	117,554	117,388	0.3	0.1	-0.2	117,224	117,807	117,884	121,557	-3.6
Food products.....	26,029	25,984	26,085	0.2	-0.4	-0.3	25,570	25,777	25,874	25,751	-0.7
Beverage and tobacco products.....	6,496	6,429	6,493	1.0	-1.0	1.6	6,157	6,112	6,313	5,814	5.9
Textiles.....	1,464	1,458	1,462	0.4	-0.3	0.4	1,476	1,476	1,472	1,488	-0.8
Textile products.....	1,698	1,709	1,696	-0.6	0.8	-1.5	1,703	1,707	1,684	1,772	-3.9
Apparel.....	565	565	566	0.0	-0.2	-0.4	578	582	580	676	-14.5
Leather and allied products.....	386	384	380	0.5	1.1	-2.1	392	396	381	417	-6.0
Paper products.....	9,280	9,374	9,544	-1.0	-1.8	-1.3	9,383	9,493	9,502	9,918	-5.4
Printing	3,490	3,506	3,575	-0.5	-1.9	0.3	3,514	3,480	3,534	3,752	-6.3
Petroleum and coal products.....	14,007	13,339	12,780	5.0	4.4	-0.5	13,906	13,855	14,053	15,989	-13.0
Chemical products.....	39,889	39,825	39,738	0.2	0.2	0.5	39,758	39,897	39,552	40,100	-0.9
Plastics and rubber products.....	14,628	14,981	15,069	-2.4	-0.6	-1.7	14,787	15,032	14,939	15,880	-6.9
<u>WORK IN PROCESS</u>											
All manufacturing industries.....	242,290	239,981	239,082	1.0	0.4	-0.2	242,796	241,276	239,752	241,349	0.6
Durable goods industries.....	177,401	176,706	176,778	0.4	0.0	-0.4	178,794	177,378	177,346	179,911	-0.6
Wood products.....	1,805	1,811	1,811	-0.3	0.0	-0.4	1,794	1,793	1,793	2,100	-14.6
Nonmetallic mineral products.....	1,783	1,742	1,704	2.4	2.2	1.5	1,765	1,746	1,725	1,585	11.4
Primary metals.....	12,307	12,334	12,264	-0.2	0.6	-3.5	12,480	12,394	12,379	13,366	-6.6
Fabricated metal products.....	17,141	17,006	16,960	0.8	0.3	0.3	17,182	17,151	16,972	16,361	5.0
Machinery.....	23,996	24,110	24,339	-0.5	-0.9	-0.8	24,229	23,897	24,617	23,791	1.8
Computers and electronic products.....	13,915	13,801	13,553	0.8	1.8	0.1	13,682	13,757	13,396	14,313	-4.4
Electrical equipment, appliances, and components.....	4,661	4,642	4,619	0.4	0.5	0.8	4,698	4,706	4,682	4,589	2.4
Transportation equipment.....	95,559	95,015	95,262	0.6	-0.3	-0.2	96,649	95,651	95,504	97,578	-1.0
Furniture and related products.....	1,441	1,488	1,502	-3.2	-0.9	1.6	1,438	1,477	1,496	1,476	-2.6
Miscellaneous products.....	4,793	4,757	4,764	0.8	-0.1	0.1	4,877	4,806	4,782	4,752	2.6
Nondurable goods industries.....	64,889	63,275	62,304	2.6	1.6	0.3	64,002	63,898	62,406	61,438	4.2
Food products.....	7,569	7,601	7,680	-0.4	-1.0	0.1	6,986	7,106	7,198	7,308	-4.4
Beverage and tobacco products.....	11,332	11,284	11,194	0.4	0.8	1.1	10,928	10,926	10,867	10,451	4.6
Textiles.....	572	575	578	-0.5	-0.5	0.2	577	584	575	633	-8.8
Textile products.....	455	455	472	0.0	-3.6	0.2	458	452	463	505	-9.3
Apparel.....	295	296	288	-0.3	2.8	2.1	306	307	299	287	6.6
Leather and allied products.....	135	138	140	-2.2	-1.4	3.7	137	142	140	134	2.2
Paper products.....	1,763	1,778	1,606	-0.8	10.7	-0.3	1,797	1,823	1,619	1,664	8.0
Printing	1,149	1,166	1,171	-1.5	-0.4	-2.6	1,186	1,152	1,122	1,360	-12.8
Petroleum and coal products.....	17,858	16,481	15,718	8.4	4.9	0.3	17,843	17,255	16,403	15,696	13.7
Chemical products.....	19,679	19,630	19,615	0.2	0.1	0.7	19,707	20,300	19,925	19,330	2.0
Plastics and rubber products.....	4,082	3,871	3,842	5.5	0.8	-2.2	4,077	3,851	3,795	4,070	0.2
<u>FINISHED GOODS</u>											
All manufacturing industries.....	297,981	297,479	297,966	0.2	-0.2	-0.3	298,805	298,112	296,827	298,997	-0.1
Durable goods industries.....	148,759	148,001	148,231	0.5	-0.2	0.2	149,003	148,233	147,514	144,419	3.2
Wood products.....	6,510	6,428	6,388	1.3	0.6	-1.5	6,301	6,253	6,332	6,508	-3.2
Nonmetallic mineral products.....	7,767	7,739	7,697	0.4	0.5	0.3	7,690	7,790	7,755	7,354	4.6
Primary metals.....	15,524	15,343	15,244	1.2	0.6	0.6	15,158	15,359	15,178	14,920	1.6
Fabricated metal products.....	23,356	23,409	23,485	-0.2	-0.3	0.4	23,339	23,734	23,677	23,120	0.9
Machinery.....	29,957	29,771	30,006	0.6	-0.8	1.4	29,582	29,389	29,809	26,915	9.9
Computers and electronic products.....	14,501	14,474	14,677	0.2	-1.4	-1.4	14,752	14,678	14,517	14,873	-0.8
Electrical equipment, appliances, and components.....	8,996	9,023	9,023	-0.3	0.0	0.7	9,048	9,040	9,061	8,718	3.8
Transportation equipment.....	25,368	25,032	25,009	1.3	0.1	-0.4	26,215	25,117	24,543	24,789	5.8
Furniture and related products.....	3,506	3,493	3,477	0.4	0.5	-2.5	3,554	3,563	3,507	3,809	-6.7
Miscellaneous products.....	13,274	13,289	13,225	-0.1	0.5	0.4	13,364	13,310	13,135	13,413	-0.4
Nondurable goods industries.....	149,222	149,478	149,735	-0.2	-0.2	-0.8	149,802	149,879	149,313	154,578	-3.1
Food products.....	37,364	37,414	37,658	-0.1	-0.6	-0.4	37,746	36,949	36,573	37,291	1.2
Beverage and tobacco products.....	13,267	13,321	13,419	-0.4	-0.7	-1.0	13,306	13,342	13,517	13,998	-4.9
Textiles.....	1,555	1,569	1,584	-0.9	-0.9	0.1	1,563	1,589	1,578	1,640	-4.7
Textile products.....	1,485	1,504	1,530	-1.3	-1.7	0.0	1,483	1,492	1,517	1,697	-12.6
Apparel.....	1,322	1,328	1,336	-0.5	-0.6	-0.6	1,382	1,389	1,386	1,397	-1.1
Leather and allied products.....	743	737	751	0.8	-1.9	-1.3	755	746	756	783	-3.6
Paper products.....	6,848	6,807	6,975	0.6	-2.4	-1.0	6,849	6,901	7,030	7,082	-3.3
Printing	2,116	2,137	2,156	-1.0	-0.9	-2.2	2,128	2,104	2,157	2,168	-1.8
Petroleum and coal products.....	16,590	16,421	15,709	1.0	4.5	-1.1	16,666	17,141	16,095	18,281	-8.8
Chemical products.....	53,005	53,243	53,451	-0.4	-0.4	-1.2	53,143	53,226	53,502	54,919	-3.2
Plastics and rubber products.....	14,927	14,997	15,166	-0.5	-1.1	0.5	14,781	15,000	15,202	15,322	-3.5

^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.

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, August Full Report, October 4, 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			
	Aug 2023 ^p	Jul 2023 ^f	Jun 2023	May 2023	Aug 2023 ^p	Jul 2023 ^f	Jun 2023	May 2023
All manufacturing industries ³	1.46	1.47	1.48	1.49	(X)	(X)	(X)	(X)
Durable goods industries ³	1.84	1.84	1.84	1.84	6.78	6.80	6.74	6.64
Wood products.....	1.18	1.19	1.19	1.20	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.30	1.30	1.29	1.29	(X)	(X)	(X)	(X)
Primary metals.....	1.76	1.75	1.74	1.74	1.44	1.43	1.41	1.40
Fabricated metal products.....	1.81	1.81	1.82	1.83	3.70	3.70	3.70	3.75
Machinery.....	2.48	2.50	2.51	2.51	3.99	4.04	4.06	4.08
Computers and electronic products ³	1.87	1.87	1.88	1.88	5.95	6.02	6.02	6.02
Electrical equipment, appliances, and components.....	1.86	1.88	1.87	1.86	3.43	3.47	3.44	3.41
Transportation equipment.....	1.78	1.79	1.78	1.78	14.36	14.45	14.14	13.82
Furniture and related products.....	1.52	1.52	1.49	1.51	1.81	1.80	1.84	1.89
Miscellaneous products.....	1.92	1.92	1.92	1.90	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.10	1.12	1.13	1.14	(X)	(X)	(X)	(X)
Food products.....	0.89	0.89	0.90	0.90	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.74	1.74	1.75	1.78	(X)	(X)	(X)	(X)
Textiles.....	1.73	1.72	1.73	1.72	(X)	(X)	(X)	(X)
Textile products.....	1.83	1.86	1.86	1.87	(X)	(X)	(X)	(X)
Apparel.....	2.57	2.56	2.66	2.52	(X)	(X)	(X)	(X)
Leather and allied products.....	2.67	2.64	2.66	2.69	(X)	(X)	(X)	(X)
Paper products.....	1.04	1.04	1.04	1.05	(X)	(X)	(X)	(X)
Printing.....	0.93	0.93	0.94	0.97	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.68	0.70	0.72	0.72	(X)	(X)	(X)	(X)
Chemical products.....	1.45	1.45	1.46	1.47	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.36	1.38	1.38	1.40	(X)	(X)	(X)	(X)

X Not Applicable
p Preliminary
^f 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, August Full Report, October 4, 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	
	Aug ² 2023	Aug ³ 2022- Jul 2023	Aug ² 2023	Aug ³ 2022- Jul 2023	Aug ² 2023	Aug ³ 2022- Jul 2023	Aug ² 2023	Aug ³ 2022- Jul 2023
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.0	(X)	0.1
Durable goods industries.....	0.0	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	0.2	-0.4	0.3	0.0	0.1	-0.2	0.2
Fabricated metal products.....	0.1	0.2	0.1	0.3	0.0	0.1	0.0	0.1
Machinery.....	0.1	0.3	0.1	0.5	-0.1	0.1	0.0	0.1
Computers and electronic products.....	0.0	0.2	0.0	0.4	0.0	0.1	-0.1	0.1
Electrical equipment, appliances, and components.....	0.3	0.3	-0.1	0.7	-0.2	0.2	0.0	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)	0.3	(X)	0.8	(X)	0.4	(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)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Paper products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Petroleum and coal products.....	(X)	1.4	(X)	(NA)	(X)	(NA)	(X)	0.4
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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