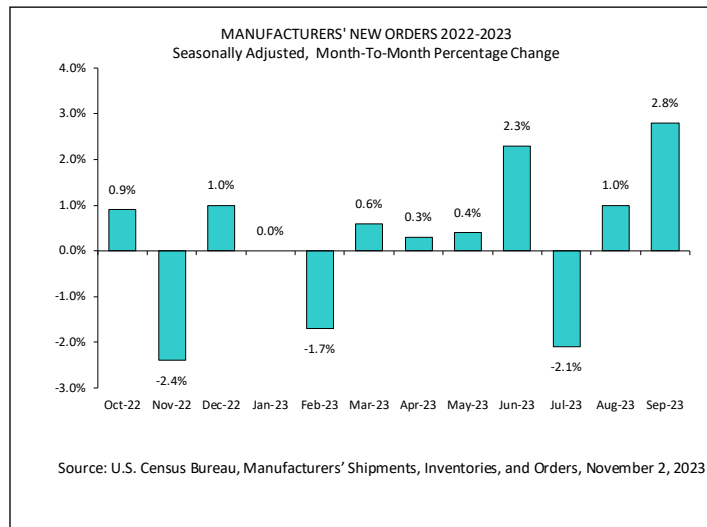


MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS SEPTEMBER 2023

Release Number: CB 23-176 M3-2 (23)-09

November 2, 2023 — The U.S. Census Bureau announces the September full report on manufacturers' shipments, inventories and orders:

MANUFACTURED GOODS – NEW ORDERS		
SEPTEMBER 2023	\$601.5 billion	+2.8%°
AUGUST 2023 (revised)	\$585.4 billion	+1.0%°
Next release: December 4, 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, November 2, 2023.</small>		



Summary

New orders for manufactured goods in September, up six of the last seven months, increased \$16.1 billion or 2.8 percent to \$601.5 billion, the U.S. Census Bureau reported today. This followed a 1.0 percent August increase. Shipments, up five consecutive months, increased \$2.1 billion or 0.4 percent to \$588.1 billion. This followed a 1.3 percent August increase. Unfilled orders, up nine of the last ten months, increased \$18.4 billion or 1.4 percent to \$1,353.6 billion. This followed a 0.3 percent August increase. The unfilled orders-to-shipments ratio was 6.88, up from 6.78 in August. Inventories, up three consecutive months, increased \$2.0 billion or 0.2 percent to \$857.3 billion. This followed a 0.3 percent August increase. The inventories-to-shipments ratio was 1.46, unchanged from August.

New Orders

New orders for manufactured durable goods in September, up following two consecutive monthly decreases, increased \$13.1 billion or 4.6 percent to \$297.0 billion, down from the previously published 4.7 percent increase. This followed a 0.1 percent August decrease. Transportation equipment, also up following two consecutive monthly decreases, led the increase, \$12.3 billion or 12.7 percent to \$109.2

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billion. New orders for manufactured nondurable goods increased \$3.0 billion or 1.0 percent to \$304.5 billion.

Shipments

Shipments of manufactured durable goods in September, down two of the last three months, decreased \$0.9 billion or 0.3 percent to \$283.6 billion, unchanged from the previously published decrease. This followed a 0.5 percent August increase. Transportation equipment, down three of the last four months, drove the decrease, \$1.1 billion or 1.2 percent to \$91.3 billion. Shipments of manufactured nondurable goods, up four consecutive months, increased \$3.0 billion or 1.0 percent to \$304.5 billion. This followed a 2.2 percent August increase. Petroleum and coal products, also up four consecutive months, led the increase, \$2.2 billion or 3.1 percent to \$73.6 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in September, up nine of the last ten months, increased \$18.4 billion or 1.4 percent to \$1,353.6 billion, unchanged from the previously published increase. This followed a 0.3 percent August increase. Transportation equipment, also up nine of the last ten months, led the increase, \$17.9 billion or 2.1 percent to \$855.7 billion.

Inventories

Inventories of manufactured durable goods in September, up two consecutive months, increased \$0.5 billion or 0.1 percent to \$523.6 billion, unchanged from the previously published increase. This followed a 0.1 percent August increase. Machinery, up thirty-four of the last thirty-five months, led the increase, \$0.3 billion or 0.3 percent to \$95.1 billion. Inventories of manufactured nondurable goods, up three consecutive months, increased \$1.5 billion or 0.4 percent to \$333.7 billion. This followed a 0.6 percent August increase. Petroleum and coal products, also up three consecutive months, drove the increase, \$1.7 billion or 3.5 percent to \$50.3 billion. By stage of fabrication, September materials and supplies increased 0.1 percent in durable goods and 0.5 percent in nondurable goods. Work in process increased 0.3 percent in durable goods and decreased 0.6 percent in nondurable goods. Finished goods decreased 0.1 percent in durable goods and increased 0.9 percent in nondurable goods.

The Advance Report on durable goods for October is scheduled for release on November 22, 2023, at 8:30 a.m. EST and the Full Report on December 4, 2023, at 10:00 a.m. EST. 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.

2024 Release Dates for the M3 Survey

Survey month	Advance Report on Durable Goods and Advance Total Manufacturing (8:30 a.m. release time)	Full Report (10:00 a.m. release time)
Oct-23	Wed 11/22/2023	Mon 12/4/2023
Nov-23	Fri 12/22/2023	Fri 1/5/2024
Dec-23	Thu 1/25/2024	Fri 2/2/2024
Jan-24	Tue 2/27/2024	Tue 3/5/2024
Feb-24	Tue 3/26/2024	Tue 4/2/2024
Mar-24	Wed 4/24/2024	Thu 5/2/2024
Apr-24	Fri 5/24/2024	Tue 6/4/2024
May-24	Thu 6/27/2024	Wed 7/3/2024
Jun-24	Thu 7/25/2024	Fri 8/2/2024
Jul-24	Mon 8/26/2024	Wed 9/4/2024
Aug-24	Thu 9/26/2024	Thu 10/3/2024
Sep-24	Fri 10/25/2024	Mon 11/4/2024
Oct-24	Wed 11/27/2024	Wed 12/4/2024
Nov-24	Tue 12/24/2024	Not available at this time

[Schedule of Release Dates 2024 \(whitehouse.gov\)](https://www.whitehouse.gov)

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RESOURCES

API

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

<www.census.gov/developers/>.

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		
	Sep. 2023 ^a	Aug. 2023 ^f	July 2023	Aug. - Sep.	July - Aug.	June - July	Sep. 2023 ^a	Aug. 2023 ^f	July 2023	Sep. 2022	2023 ^a	2022	% Change 2023/ 2022
All manufacturing industries.....	588,082	585,976	578,270	0.4	1.3	0.7	601,337	611,986	552,030	602,004	5,210,234	5,187,260	0.4
Excluding transportation.....	496,778	493,582	486,611	0.6	1.4	0.9	504,743	515,100	475,579	509,067	4,402,491	4,451,384	-1.1
Excluding defense.....	572,192	570,099	562,647	0.4	1.3	0.7	584,133	596,281	538,095	586,042	5,072,798	5,060,305	0.2
With unfilled orders.....	196,778	196,831	195,695	0.0	0.6	-0.5	205,414	204,700	180,298	200,868	1,758,135	1,690,584	4.0
Durable goods industries.....	283,596	284,490	283,138	-0.3	0.5	-0.1	295,623	298,361	259,904	292,161	2,535,995	2,443,055	3.8
Wood products.....	13,331	13,370	13,354	-0.3	0.1	0.2	13,730	14,308	13,509	14,121	122,341	125,439	-2.5
Nonmetallic mineral products.....	13,311	13,321	13,277	-0.1	0.3	-0.1	13,851	14,979	13,578	14,013	120,669	118,505	1.8
Primary metals.....	26,430	26,516	26,610	-0.3	-0.4	-0.8	26,323	28,123	25,422	27,094	244,483	248,782	-1.7
Iron and steel mills.....	14,439	14,540	14,618	-0.7	-0.5	-1.5	14,483	15,383	14,132	15,347	135,231	136,009	-0.6
Aluminum and nonferrous metals.....	10,396	10,368	10,398	0.3	-0.3	0.3	10,302	11,024	9,802	10,139	94,092	98,356	-4.3
Ferrous metal foundries.....	1,595	1,608	1,594	-0.8	0.9	-1.8	1,538	1,716	1,488	1,608	15,160	14,417	5.2
Fabricated metal products.....	36,161	35,812	35,701	1.0	0.3	0.0	37,035	38,230	34,305	36,822	322,608	323,804	-0.4
Machinery.....	38,133	38,322	37,941	-0.5	1.0	0.4	38,568	39,553	35,783	38,205	341,655	330,438	3.4
Farm machinery.....	2,767	2,714	2,616	2.0	3.7	0.9	2,687	2,680	2,594	2,966	23,779	30,715	-22.6
Construction machinery.....	4,377	4,377	4,197	0.0	4.3	-3.0	4,257	4,387	4,024	3,953	39,022	33,296	17.2
Mining, oil field, and gas field machinery.....	1,696	1,733	1,765	-2.1	-1.8	4.8	1,708	1,724	1,689	1,563	15,334	12,893	18.9
Industrial machinery.....	3,575	3,611	3,698	-1.0	-2.4	0.6	4,081	3,569	3,503	4,280	32,659	33,377	-2.2
Photographic equipment.....	607	629	645	-3.5	-2.5	-1.4	669	630	605	675	5,675	5,492	3.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,013	5,134	5,021	-2.4	2.3	3.8	5,200	5,818	5,153	4,948	45,092	41,868	7.7
Metalworking machinery.....	2,662	2,730	2,676	-2.5	2.0	1.0	2,708	2,826	2,376	2,849	24,246	24,768	-2.1
Turbines, generators, and other power transmission equipment.....	3,878	3,894	3,875	-0.4	0.5	-3.6	3,863	4,093	3,670	3,700	35,553	32,127	10.7
Material handling equipment.....	4,271	4,264	4,162	0.2	2.5	0.2	4,148	4,502	3,703	3,601	36,315	32,367	12.2
Computers and electronic products ²	29,547	29,394	29,336	0.5	0.2	0.4	32,801	29,529	27,506	32,692	259,395	254,383	2.0
Computers.....	850	877	855	-3.1	2.6	3.9	905	953	854	839	7,403	6,678	10.9
Computer storage devices.....	418	422	428	-0.9	-1.4	13.5	415	390	388	364	3,526	3,121	13.0
Other peripheral equipment.....	776	756	693	2.6	9.1	-14.5	948	727	643	871	6,813	5,245	29.9
Nondefense communications equipment.....	2,860	2,812	2,826	1.7	-0.5	0.3	3,531	2,489	2,476	3,644	25,094	25,532	-1.7
Defense communications equipment.....	197	201	209	-2.0	-3.8	5.6	226	209	201	232	1,808	1,755	3.0
Audio and video equipment.....	551	628	749	-12.3	-16.2	44.6	541	581	658	413	4,048	3,561	13.7
Electronic components.....	4,994	4,858	4,635	2.8	4.8	-1.6	5,179	5,212	4,503	4,899	42,928	42,069	2.0
Nondefense search and navigation equipment.....	1,617	1,606	1,621	0.7	-0.9	-0.4	1,741	1,639	1,427	1,762	14,454	14,282	1.2
Defense search and navigation equipment.....	3,317	3,316	3,315	0.0	0.0	0.6	3,521	3,283	3,110	3,408	28,844	27,751	3.9
Electromedical, measuring, and control instruments.....	8,828	8,871	8,898	-0.5	-0.3	-0.1	9,921	8,874	8,270	10,003	78,445	77,779	0.9
Electrical equipment, appliances, and components.....	14,226	14,192	14,042	0.2	1.1	0.0	15,056	15,006	13,157	14,286	127,100	117,462	8.2
Electric lighting equipment.....	1,328	1,334	1,309	-0.4	1.9	-0.3	1,377	1,414	1,262	1,276	11,677	10,845	7.7
Household appliances.....	2,374	2,364	2,340	0.4	1.0	-0.4	2,654	2,522	1,999	2,719	21,048	21,278	-1.1
Electrical equipment.....	4,657	4,682	4,677	-0.5	0.1	1.8	4,973	4,920	4,365	4,618	42,080	36,305	15.9
Batteries.....	1,353	1,328	1,389	1.9	-4.4	5.5	1,381	1,428	1,227	1,056	11,631	8,481	37.1
Transportation equipment.....	91,304	92,394	91,659	-1.2	0.8	-0.3	96,594	96,886	76,451	92,937	807,743	735,876	9.8
Automobiles.....	9,527	9,640	9,080	-1.2	6.2	0.9	10,002	10,886	7,096	8,953	81,309	72,375	12.3
Light trucks and utility vehicles.....	20,630	21,378	21,909	-3.5	-2.4	2.0	21,564	23,326	17,488	23,170	187,619	176,373	6.4
Heavy duty trucks.....	3,071	3,057	2,986	0.5	2.4	0.5	3,236	3,130	2,775	2,855	26,654	21,958	21.4
Motor vehicle bodies, parts, and trailers.....	29,312	29,195	29,172	0.4	0.1	0.3	29,357	31,583	25,511	29,490	263,921	255,258	3.4
Nondefense aircraft and parts.....	13,515	13,566	13,139	-0.4	3.2	-4.7	16,164	12,435	10,176	12,451	111,094	81,322	36.6
Defense aircraft and parts.....	4,523	4,688	4,772	-3.5	-1.8	-1.2	4,841	4,796	4,243	5,093	41,801	40,007	4.5
Ships and boats.....	3,368	3,665	3,460	-8.1	5.9	-6.6	3,331	3,634	3,052	3,417	33,173	31,120	6.6
Furniture and related products.....	6,781	6,690	6,712	1.4	-0.3	-2.4	6,775	7,185	6,723	6,941	61,390	61,376	0.0
Miscellaneous durable goods.....	14,372	14,479	14,506	-0.7	-0.2	0.3	14,890	14,562	13,470	15,050	128,611	126,990	1.3
Nondurable goods industries.....	304,486	301,486	295,132	1.0	2.2	1.5	305,714	313,625	292,126	309,843	2,674,239	2,744,205	-2.5
Food products.....	79,986	79,758	79,500	0.3	0.3	0.3	81,345	81,970	76,969	81,253	713,067	710,761	0.3
Grain and oilseed milling.....	9,831	9,691	9,702	1.4	-0.1	-0.5	9,653	10,174	9,436	9,982	88,645	89,126	-0.5
Dairy products.....	11,449	11,415	11,435	0.3	-0.2	-0.6	11,328	11,684	11,310	11,762	103,629	104,699	-1.0
Meat, poultry, and seafood products.....	24,048	23,940	23,920	0.5	0.1	0.2	24,212	24,467	23,552	25,051	216,448	223,060	-3.0
Beverage and tobacco products.....	18,217	17,894	17,832	1.8	0.3	0.1	18,451	18,536	17,954	16,889	157,292	140,780	11.7
Beverages.....	11,036	10,997	10,974	0.4	0.2	1.8	11,270	11,639	11,096	10,745	97,546	91,243	6.9
Tobacco.....	7,181	6,897	6,858	4.1	0.6	-2.5	7,181	6,897	6,858	6,144	59,746	49,537	20.6
Textile mills.....	2,117	2,098	2,098	0.9	0.0	0.3	2,162	2,232	2,099	2,298	19,302	20,748	-7.0
Textile products.....	1,972	1,992	1,975	-1.0	0.9	-0.8	1,968	2,083	1,990	2,092	18,229	18,977	-3.9
Apparel.....	835	851	856	-1.9	-0.6	3.9	849	906	832	869	7,409	7,177	3.2
Leather and allied products.....	469	474	476	-1.1	-0.4	-0.4	469	496	472	492	4,378	4,044	8.3
Paper products.....	17,207	17,201	17,265	0.0	-0.4	-0.8	17,246	18,119	16,927	17,429	157,112	155,618	1.0
Pulp, paper, and paperboard mills.....	6,859	6,801	6,836	0.9	-0.5	-1.6	6,890	7,080	6,848	6,732	62,666	60,394	3.8
Paperboard containers.....	6,307	6,334	6,308	-0.4	0.4	-0.3	6,365	6,897	6,094	6,520	57,160	57,444	-0.5
Printing.....	7,332	7,267	7,310	0.9	-0.6	-0.1	7,417	7,452	7,010	7,685	64,855	64,075	1.2
Petroleum and coal products.....	73,575	71,366	65,733	3.1	8.6	6.4	73,588	75,637	69,753	78,113	610,082	704,896	-13.5
Petroleum refineries.....	68,588	66,482	60,907	3.2	9.2	6.9	68,213	69,931	64,476	72,809	566,273	662,626	-14.5
Chemical products.....	77,995	77,858	77,489	0.2	0.5	0.3	77,174	80,108	74,295	77,096	698,859	688,965	1.4
Pesticides, fertilizers, and other agricultural chemicals.....	4,032	3,983	3,982	1.2	0.0	3.4	3,546	3,269	3,161	3,731	35,760	36,794	-2.8
Pharmaceuticals and medicines.....	24,778	24,922	24,833	-0.6	0.4	0.4	25,403	25,845	23,601	24,427	219,663	203,498	7.9
Paints, coatings, and adhesives.....	4,250	4,199	4,161	1.2	0.9	-0.1	4,185	4,630	4,105	4,186	38,398	38,466	-0.2
Plastics and rubber products.....	24,781	24,727	24,598	0.2	0.5	0.0	25,045	26,086	23,825	25,627	223,654	228,164	-2.0

^a Preliminary

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

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

² Estimates and percent changes of shipments for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals.

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

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CDBR-FY23-0265).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 2, 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		
	Sep. 2023 ^p	Aug. 2023 ^r	July 2023	Aug. - Sep.	July - Aug.	June - July	Sep. 2023 ^p	Aug. 2023 ^r	July 2023	Sep. 2022	2023 ^p	2022	% Change 2023/ 2022
All manufacturing industries ²	601,522	585,403	579,414	2.8	1.0	-2.1	613,932	604,203	553,738	600,901	5,244,072	5,206,681	0.7
Excluding transportation ²	492,368	488,548	481,416	0.8	1.5	0.9	497,469	506,019	469,994	501,297	4,360,096	4,421,988	-1.4
Excluding defense ²	586,768	568,421	564,152	3.2	0.8	-2.2	595,435	589,884	542,886	582,461	5,099,238	5,076,815	0.4
With unfilled orders ²	215,205	201,153	201,793	7.0	-0.3	-8.0	223,720	201,931	186,837	205,860	1,836,654	1,755,269	4.6
Durable goods industries ²	297,036	283,917	284,282	4.6	-0.1	-5.6	308,218	290,578	261,612	291,058	2,569,833	2,462,476	4.4
Primary metals.....	26,537	26,615	26,872	-0.3	-1.0	-0.2	25,627	27,589	25,632	26,607	243,848	248,077	-1.7
Iron and steel mills.....	14,715	14,724	14,817	-0.1	-0.6	-0.6	14,085	15,306	14,373	15,111	135,528	136,276	-0.5
Aluminum and nonferrous metals.....	10,179	10,299	10,493	-1.2	-1.8	1.0	9,984	10,643	9,773	9,882	93,210	97,004	-3.9
Ferrous metal foundries.....	1,643	1,592	1,562	3.2	1.9	-4.9	1,558	1,640	1,486	1,614	15,110	14,797	2.1
Fabricated metal products.....	36,325	36,037	35,798	0.8	0.7	0.7	36,087	37,741	34,293	35,414	325,806	327,951	-0.7
Machinery.....	38,035	37,767	37,584	0.7	0.5	0.8	37,921	38,243	35,629	37,977	340,596	337,941	0.8
Construction machinery.....	4,269	4,144	4,125	3.0	0.5	-3.6	4,169	3,905	3,928	3,204	37,804	33,360	13.3
Mining, oil field, and gas field machinery.....	1,623	1,711	1,679	-5.1	1.9	11.8	1,635	1,702	1,603	1,567	14,888	12,946	15.0
Industrial machinery.....	3,381	3,625	3,470	-6.7	4.5	4.7	3,630	3,448	3,336	4,126	32,432	35,013	-7.4
Photographic equipment.....	463	513	595	-9.7	-13.8	-3.4	775	561	562	1,165	5,720	5,900	-3.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,296	5,064	4,892	4.6	3.5	0.2	5,401	5,466	5,020	5,078	45,651	44,483	2.6
Metalworking machinery.....	2,652	2,616	2,682	1.4	-2.5	4.2	2,675	2,611	2,563	2,763	23,924	24,894	-3.9
Turbines, generators, and other power transmission equipment.....	4,101	4,006	4,125	2.4	-2.9	-3.8	4,086	4,205	3,920	3,717	36,096	31,924	13.1
Material handling equipment.....	4,344	4,181	4,177	3.9	0.1	0.7	4,241	4,283	3,629	3,956	36,321	33,984	6.9
Computers and electronic products ²	24,755	24,522	24,316	1.0	0.8	-0.6	27,912	23,307	22,204	27,372	214,669	210,457	2.0
Computers.....	848	864	867	-1.9	-0.3	4.0	903	940	866	826	7,402	6,655	11.2
Nondefense communications equipment.....	3,083	2,918	2,757	5.7	5.8	0.1	3,757	2,360	2,266	3,566	24,380	25,337	-3.8
Defense communications equipment.....	194	196	207	-1.0	-5.3	3.5	228	207	202	237	1,797	1,730	3.9
Electronic components.....	4,951	4,760	4,484	4.0	6.2	-3.7	5,224	4,953	4,443	4,988	41,873	42,233	-0.9
Nondefense search and navigation equipment.....	1,728	1,728	1,723	0.0	0.3	0.3	1,833	1,733	1,524	1,841	15,580	15,537	0.3
Defense search and navigation equipment.....	3,189	3,178	3,315	0.3	-4.1	-5.8	3,695	2,754	2,821	3,817	29,305	27,304	7.3
Electromedical, measuring, and control instruments.....	8,865	8,920	8,940	-0.6	-0.2	0.2	10,206	8,504	8,248	10,287	78,594	78,388	0.3
Electrical equipment, appliances, and components.....	14,496	14,358	14,178	1.0	1.3	-0.3	14,959	14,944	13,254	13,974	128,481	120,927	6.2
Electric lighting equipment.....	1,400	1,304	1,297	7.4	0.5	-3.5	1,415	1,336	1,201	1,237	11,835	10,978	7.8
Household appliances.....	2,435	2,627	2,577	-7.3	1.9	8.1	2,873	2,760	2,205	2,867	21,724	20,742	4.7
Electrical equipment.....	4,804	4,623	4,520	3.9	2.3	-0.8	4,656	4,771	4,404	4,094	42,465	39,472	7.6
Transportation equipment.....	109,154	96,855	97,998	12.7	-1.2	-14.9	116,463	98,184	83,744	99,604	883,976	784,693	12.7
Motor vehicle bodies, parts, and trailers.....	29,440	29,254	29,107	0.6	0.5	-0.3	29,589	31,484	25,327	28,925	263,529	253,666	3.9
Nondefense aircraft and parts.....	32,348	16,806	20,370	92.5	-17.5	-45.7	34,794	14,788	20,995	17,247	181,645	127,767	42.2
Defense aircraft and parts.....	4,918	5,800	4,890	-15.2	18.6	-8.3	5,965	5,378	3,425	4,406	47,559	41,205	15.4
Ships and boats.....	3,079	3,925	3,438	-21.6	14.2	34.1	2,841	2,258	2,412	3,137	32,946	32,551	1.2
Furniture and related products.....	6,730	6,601	6,480	2.0	1.9	-2.7	6,788	6,729	6,380	6,902	61,121	61,195	-0.1
Nondurable goods industries.....	304,486	301,486	295,132	1.0	2.2	1.5	305,714	313,625	292,126	309,843	2,674,239	2,744,205	-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, September Full Report, November 2, 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 September 2023/ 2022
	Sep. 2023 ^p	Aug. 2023 ^f	July 2023	Aug. - Sep.	July - Aug.	June - July	Sep. 2023 ^p	Aug. 2023 ^f	July 2023	Sep. 2022	
All manufacturing industries ²	1,353,624	1,335,197	1,330,875	1.4	0.3	0.5	1,348,815	1,330,509	1,333,278	1,254,039	7.6
Excluding transportation ²	497,881	497,304	497,443	0.1	0.0	0.0	494,670	496,233	500,300	497,992	-0.7
Excluding defense ²	1,110,787	1,091,224	1,088,007	1.8	0.3	0.6	1,106,689	1,089,676	1,091,059	1,023,385	8.1
Durable goods industries ²	1,353,624	1,335,197	1,330,875	1.4	0.3	0.5	1,348,815	1,330,509	1,333,278	1,254,039	7.6
Primary metals.....	38,294	38,187	38,088	0.3	0.3	0.7	37,131	37,827	38,361	37,310	-0.5
Iron and steel mills.....	23,360	23,084	22,900	1.2	0.8	0.9	22,758	23,156	23,233	22,326	1.9
Aluminum and nonferrous metals.....	10,310	10,527	10,596	-2.1	-0.7	0.9	9,827	10,145	10,526	10,482	-6.2
Ferrous metal foundries.....	4,624	4,576	4,592	1.0	-0.3	-0.7	4,546	4,526	4,602	4,502	1.0
Fabricated metal products.....	129,392	129,228	129,003	0.1	0.2	0.1	129,622	130,570	131,059	130,612	-0.8
Machinery.....	138,406	138,504	139,059	-0.1	-0.4	-0.3	137,298	137,945	139,255	139,164	-1.3
Construction machinery.....	10,547	10,655	10,888	-1.0	-2.1	-0.7	10,169	10,257	10,739	11,408	-10.9
Mining, oil field, and gas field machinery.....	4,866	4,939	4,961	-1.5	-0.4	-1.7	4,866	4,939	4,961	5,289	-8.0
Industrial machinery.....	11,738	11,932	11,918	-1.6	0.1	-1.9	11,456	11,907	12,028	11,659	-1.7
Photographic equipment.....	3,768	3,912	4,028	-3.7	-2.9	-1.2	3,888	3,782	3,851	4,032	-3.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	13,726	13,443	13,513	2.1	-0.5	-0.9	13,511	13,310	13,662	12,678	6.6
Metalworking machinery.....	9,496	9,506	9,620	-0.1	-1.2	0.1	9,462	9,495	9,710	10,347	-8.6
Turbines, generators, and other power transmission equipment.....	32,671	32,448	32,336	0.7	0.3	0.8	32,671	32,448	32,336	32,122	1.7
Material handling equipment.....	19,421	19,348	19,431	0.4	-0.4	0.1	19,246	19,153	19,372	18,655	3.2
Computers and electronic products ²	134,929	134,734	134,711	0.1	0.0	0.0	134,345	133,523	134,731	133,996	0.3
Computers.....	1,282	1,284	1,297	-0.2	-1.0	0.9	1,282	1,284	1,297	1,304	-1.7
Nondefense communications equipment.....	17,189	16,966	16,860	1.3	0.6	-0.4	16,833	16,607	16,736	17,366	-3.1
Defense communications equipment.....	230	233	238	-1.3	-2.1	-0.8	235	233	235	259	-9.3
Electronic components.....	16,587	16,630	16,728	-0.3	-0.6	-0.9	16,456	16,411	16,670	17,652	-6.8
Nondefense search and navigation equipment.....	31,496	31,385	31,263	0.4	0.4	0.3	31,505	31,413	31,319	30,061	4.8
Defense search and navigation equipment.....	35,961	36,089	36,227	-0.4	-0.4	0.0	35,984	35,810	36,339	35,647	0.9
Electromedical, measuring, and control instruments.....	32,184	32,147	32,098	0.1	0.2	0.1	32,050	31,765	32,135	31,707	1.1
Electrical equipment, appliances, and components.....	44,281	44,011	43,845	0.6	0.4	0.3	43,796	43,893	43,955	42,942	2.0
Electric lighting equipment.....	3,932	3,860	3,890	1.9	-0.8	-0.3	3,861	3,823	3,901	3,379	14.3
Household appliances.....	5,245	5,184	4,921	1.2	5.3	5.1	5,256	5,037	4,799	4,125	27.4
Electrical equipment.....	22,475	22,328	22,387	0.7	-0.3	-0.7	22,129	22,446	22,595	22,990	-3.7
Transportation equipment.....	855,743	837,893	833,432	2.1	0.5	0.8	854,145	834,276	832,978	756,047	13.0
Motor vehicle bodies, parts, and trailers.....	35,335	35,207	35,148	0.4	0.2	-0.2	34,549	34,317	34,416	34,313	0.7
Nondefense aircraft and parts.....	601,260	582,427	579,187	3.2	0.6	1.3	601,266	582,636	580,283	513,007	17.2
Defense aircraft and parts.....	73,411	73,016	71,904	0.5	1.5	0.2	73,060	71,936	71,354	67,006	9.0
Ships and boats.....	56,181	56,470	56,210	-0.5	0.5	0.0	54,959	55,449	56,825	54,066	1.7
Furniture and related products.....	10,574	10,625	10,714	-0.5	-0.8	-2.1	10,473	10,460	10,916	11,666	-10.2

^p Preliminary

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

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

² Data on 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, September Full Report, November 2, 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 September 2023/ 2022
	Sep. 2023 ²	Aug. 2023 ¹	July 2023	Aug. - Sep.	July - Aug.	June - July	Sep. 2023 ²	Aug. 2023 ¹	July 2023	Sep. 2022	
All manufacturing industries.....	857,320	855,320	852,634	0.2	0.3	0.1	854,686	856,597	856,380	854,540	0.0
Excluding transportation.....	692,780	690,910	688,650	0.3	0.3	0.1	688,820	690,062	691,103	690,474	-0.2
Excluding defense.....	827,919	825,782	823,235	0.3	0.3	0.1	825,272	826,908	826,980	826,171	-0.1
With unfilled orders.....	423,343	423,053	422,303	0.1	0.2	-0.1	422,593	424,989	424,937	417,390	1.2
Durable goods industries.....	523,641	523,105	522,327	0.1	0.1	0.0	522,492	525,519	524,796	517,494	1.0
Wood products.....	15,912	15,873	15,832	0.2	0.3	0.0	15,550	15,593	15,518	16,349	-4.9
Nonmetallic mineral products.....	17,291	17,268	17,196	0.1	0.4	0.5	17,089	17,164	17,268	16,349	4.5
Primary metals.....	46,420	46,453	46,475	-0.1	0.0	-0.2	46,042	46,214	46,661	47,750	-3.6
Iron and steel mills.....	27,354	27,367	27,317	0.0	0.2	-0.1	27,188	27,113	27,470	28,260	-3.8
Aluminum and nonferrous metals.....	15,822	15,924	16,030	-0.6	-0.7	-0.4	15,718	16,001	16,110	16,603	-5.3
Ferrous metal foundries.....	3,244	3,162	3,128	2.6	1.1	-0.8	3,136	3,100	3,081	2,887	8.6
Fabricated metal products.....	64,705	64,776	64,785	-0.1	0.0	-0.3	64,434	64,986	65,527	64,968	-0.8
Machinery.....	95,052	94,753	94,687	0.3	0.1	-0.1	94,704	94,644	94,256	90,072	5.1
Farm machinery.....	5,607	5,651	5,766	-0.8	-2.0	0.0	5,357	5,480	5,609	5,859	-8.6
Construction machinery.....	9,678	9,608	9,470	0.7	1.5	0.1	9,598	9,480	9,368	8,531	12.5
Mining, oil field, and gas field machinery.....	5,934	5,866	5,798	1.2	1.2	-1.2	5,937	5,872	5,799	5,346	11.1
Industrial machinery.....	11,376	11,298	11,181	0.7	1.0	-0.6	11,673	11,384	10,726	11,030	5.8
Photographic equipment.....	1,462	1,461	1,462	0.1	-0.1	-0.3	1,433	1,495	1,470	1,397	2.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	9,627	9,617	9,688	0.1	-0.7	-0.2	9,247	9,438	9,633	8,328	11.0
Metalworking machinery.....	7,417	7,420	7,451	0.0	-0.4	0.3	7,404	7,482	7,562	7,267	1.9
Turbines, generators, and other power transmission equipment.....	12,175	12,033	12,075	1.2	-0.3	1.6	12,104	12,003	12,308	11,230	7.8
Material handling equipment.....	7,969	7,978	7,927	-0.1	0.6	-0.9	8,063	8,077	7,912	7,504	7.4
Computers and electronic products ²	55,167	55,128	54,965	0.1	0.3	0.2	54,806	55,410	55,395	54,884	-0.1
Computers.....	1,874	1,878	1,883	-0.2	-0.3	-2.1	1,976	1,973	1,924	2,239	-11.7
Computer storage devices.....	610	607	618	0.5	-1.8	-1.9	608	642	639	652	-6.7
Other peripheral equipment.....	1,059	1,048	1,066	1.0	-1.7	0.7	1,041	1,058	1,043	1,005	3.6
Nondefense communications equipment.....	4,409	4,379	4,368	0.7	0.3	-0.1	4,386	4,476	4,390	4,385	0.0
Defense communications equipment.....	635	640	645	-0.8	-0.8	1.7	635	640	645	600	5.8
Audio and video equipment.....	732	741	780	-1.2	-5.0	0.0	738	720	749	889	-17.0
Electronic components.....	10,539	10,684	10,646	-1.4	0.4	1.1	10,332	10,419	10,777	11,223	-7.9
Nondefense search and navigation equipment.....	4,278	4,255	4,219	0.5	0.9	0.2	4,301	4,321	4,261	4,087	5.2
Defense search and navigation equipment.....	3,352	3,345	3,337	0.2	0.2	-0.3	3,277	3,362	3,365	3,277	0.0
Electromedical, measuring and control instruments.....	19,156	19,038	18,971	0.6	0.4	-0.2	19,034	19,336	19,206	18,598	2.3
Electrical equipment, appliances, and components.....	26,423	26,390	26,338	0.1	0.2	0.1	25,839	26,594	26,581	24,802	4.2
Electric lighting equipment.....	2,528	2,521	2,531	0.3	-0.4	0.0	2,520	2,524	2,524	2,542	-0.9
Household appliances.....	3,546	3,574	3,608	-0.8	-0.9	-0.8	3,520	3,727	3,734	3,575	-1.5
Electrical equipment.....	10,134	9,989	9,872	1.5	1.2	0.3	9,582	9,973	9,936	8,631	11.0
Batteries.....	1,885	1,887	1,900	-0.1	-0.7	0.3	1,916	1,939	1,967	1,849	3.6
Transportation equipment.....	164,540	164,410	163,984	0.1	0.3	0.0	165,866	166,535	165,277	164,066	1.1
Automobiles.....	5,884	5,859	5,936	0.4	-1.3	1.0	5,986	6,157	6,032	5,648	6.0
Light trucks and utility vehicles.....	9,353	9,216	9,175	1.5	0.4	-1.7	9,687	9,723	9,236	10,570	-8.4
Heavy duty trucks.....	2,947	2,924	2,861	0.8	2.2	0.2	2,930	2,927	2,888	2,940	-0.3
Motor vehicle bodies, parts, and trailers.....	35,859	35,705	35,577	0.4	0.4	0.6	35,781	35,722	36,172	34,872	2.6
Nondefense aircraft and parts.....	77,545	77,582	77,433	0.0	0.2	-0.2	78,429	78,544	77,803	78,279	0.2
Defense aircraft and parts.....	14,062	14,075	14,109	-0.1	-0.2	-0.5	14,064	14,124	14,136	13,758	2.2
Ships and boats.....	4,642	4,702	4,671	-1.3	0.7	0.2	4,738	4,799	4,613	4,681	1.2
Furniture and related products.....	10,178	10,183	10,226	0.0	-0.4	-0.2	10,079	10,237	10,308	10,523	-4.2
Miscellaneous durable goods.....	27,953	27,871	27,839	0.3	0.1	0.2	28,083	28,142	28,005	27,731	1.3
Nondurable goods industries.....	333,679	332,215	330,307	0.4	0.6	0.3	332,194	331,078	331,584	337,046	-1.4
Food products.....	71,009	71,019	70,999	0.0	0.0	-0.6	71,430	70,498	69,832	71,811	-0.5
Grain and oilseed milling.....	7,481	7,593	7,686	-1.5	-1.2	-0.5	7,302	7,370	7,560	7,707	-5.3
Dairy products.....	10,702	10,783	10,792	-0.8	-0.1	-0.3	10,589	10,862	11,119	10,369	2.1
Meat, poultry, and seafood products.....	13,261	13,183	13,190	0.6	-0.1	0.0	13,453	13,376	13,190	13,797	-2.5
Beverage and tobacco products.....	30,930	31,003	31,034	-0.2	-0.1	-0.2	30,357	30,385	30,380	30,584	-0.7
Beverages.....	27,213	27,354	27,382	-0.5	-0.1	-0.1	26,777	27,003	26,979	26,943	-0.6
Tobacco.....	3,717	3,649	3,652	1.9	-0.1	-1.0	3,580	3,382	3,401	3,641	-1.7
Textile mills.....	3,562	3,586	3,602	-0.7	-0.4	-0.6	3,567	3,616	3,649	3,735	-4.5
Textile products.....	3,641	3,644	3,668	-0.1	-0.7	0.0	3,656	3,642	3,651	3,985	-8.3
Apparel.....	2,174	2,172	2,189	0.1	-0.8	0.0	2,235	2,260	2,278	2,328	-4.0
Leather and allied products.....	1,277	1,265	1,259	0.9	0.5	-0.9	1,280	1,282	1,284	1,338	-4.3
Paper products.....	17,894	17,907	17,959	-0.1	-0.3	-0.9	17,905	18,032	18,217	18,559	-3.5
Pulp, paper, and paperboard mills.....	5,598	5,576	5,580	0.4	-0.1	-1.4	5,541	5,577	5,630	5,620	-1.4
Paperboard containers.....	6,722	6,775	6,824	-0.8	-0.7	-0.7	6,751	6,849	6,932	6,968	-3.1
Printing.....	6,645	6,721	6,809	-1.1	-1.3	-1.3	6,797	6,803	6,736	7,380	-7.9
Petroleum and coal products.....	50,342	48,653	46,241	3.5	5.2	4.6	49,854	48,338	48,251	48,788	2.2
Petroleum refineries.....	43,750	41,966	39,445	4.3	6.4	5.5	43,401	41,686	41,368	42,022	3.3
Chemical products.....	112,759	112,641	112,698	0.1	-0.1	-0.1	111,752	112,593	113,423	113,463	-1.5
Pesticides, fertilizers, and other agricultural chemicals.....	6,122	6,151	6,143	-0.5	0.1	-0.2	5,858	5,969	5,920	5,937	-1.3
Pharmaceuticals and medicines.....	48,132	47,798	47,759	0.7	0.1	0.4	47,611	47,368	48,059	46,037	3.4
Paints, coatings, and adhesives.....	5,592	5,668	5,716	-1.3	-0.8	-1.4	5,488	5,615	5,736	5,894	-6.9
Plastics and rubber products.....	33,446	33,604	33,849	-0.5	-0.7	-0.7	33,361	33,629	33,883	35,075	-4.9

² Preliminary

¹ Revised data due to late receipts and concurrent seasonal adjustment.

³ 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, September Full Report, November 2, 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 2023/ 2022	
	Sep. 2023 ^p	Aug. 2023 ^f	July 2023	Aug. - Sep.	July - Aug.	June - July	Sep. 2023 ^p	Aug. 2023 ^f	July 2023	Sep. 2022	2023 ^p		2022
SHIPMENTS													
All manufacturing industries.....	588,082	585,976	578,270	0.4	1.3	0.7	601,337	611,986	552,030	602,004	5,210,234	5,187,260	0.4
Construction materials and supplies.....	62,708	62,672	62,435	0.1	0.4	0.1	64,437	68,768	62,801	65,090	567,472	568,444	-0.2
Information technology.....	24,687	24,754	24,719	-0.3	0.1	0.3	27,251	24,655	23,081	26,990	218,125	213,095	2.4
Computers and related products.....	2,044	2,055	1,976	-0.5	4.0	-1.7	2,268	2,070	1,885	2,074	17,742	15,044	17.9
Motor vehicle and parts.....	62,540	63,270	63,147	-1.2	0.2	1.0	64,159	68,925	52,870	64,468	559,503	525,964	6.4
Capital goods.....	96,627	96,893	95,688	-0.3	1.3	-1.2	103,540	96,556	87,035	98,551	852,545	796,388	7.1
Nondefense capital goods ³	83,018	83,264	82,330	-0.3	1.1	-1.2	88,773	83,193	75,142	84,885	734,858	687,587	6.9
Excluding aircraft.....	74,272	74,380	73,835	-0.1	0.7	-0.3	77,633	75,491	69,108	76,709	663,958	640,068	3.7
Defense capital goods ⁴	13,609	13,629	13,358	-0.1	2.0	-1.5	14,767	13,363	11,893	13,666	117,687	108,801	8.2
Consumer goods.....	253,741	252,142	246,277	0.6	2.4	2.0	257,402	263,706	238,277	260,356	2,214,326	2,251,193	-1.6
Consumer durable goods.....	45,571	46,518	46,573	-2.0	-0.1	1.3	47,455	50,196	38,814	48,447	407,165	386,678	5.3
Consumer nondurable goods.....	208,170	205,624	199,704	1.2	3.0	2.2	209,947	213,510	199,463	211,909	1,807,161	1,864,515	-3.1
NEW ORDERS													
All manufacturing industries ⁵	601,522	585,403	579,414	2.8	1.0	-2.1	613,932	604,203	553,738	600,901	5,244,072	5,206,681	0.7
Construction materials and supplies.....	63,086	62,652	62,187	0.7	0.7	-0.1	63,887	67,755	62,178	64,426	569,708	573,680	-0.7
Information technology.....	24,771	24,751	24,822	0.1	-0.3	-0.9	28,097	23,564	22,540	28,269	219,342	215,378	1.8
Computers and related products.....	2,042	2,042	1,988	0.0	2.7	-1.7	2,266	2,057	1,897	2,061	17,741	15,021	18.1
Motor vehicle and parts.....	62,668	63,329	63,082	-1.0	0.4	0.7	64,391	68,826	52,686	63,903	559,111	524,372	6.6
Capital goods.....	114,018	100,153	101,101	13.8	-0.9	-14.6	121,718	95,678	93,569	105,070	926,055	853,436	8.5
Nondefense capital goods ³	101,772	85,849	88,653	18.5	-3.2	-16.7	106,274	83,615	85,024	89,424	803,744	745,320	7.8
Excluding aircraft.....	74,292	73,951	73,267	0.5	0.9	-0.4	76,763	73,585	68,342	76,367	662,832	650,625	1.9
Defense capital goods ⁴	12,246	14,304	12,448	-14.4	14.9	3.3	15,444	12,063	8,545	15,646	122,311	108,116	13.1
Consumer goods.....	253,849	252,413	246,355	0.6	2.5	2.1	257,802	263,801	238,448	260,619	2,214,912	2,250,690	-1.6
Consumer durable goods.....	45,679	46,789	46,651	-2.4	0.3	1.5	47,855	50,291	38,985	48,710	407,751	386,175	5.6
Consumer nondurable goods.....	208,170	205,624	199,704	1.2	3.0	2.2	209,947	213,510	199,463	211,909	1,807,161	1,864,515	-3.1
UNFILLED ORDERS													
All manufacturing industries ⁵	1,353,624	1,335,197	1,330,875	1.4	0.3	0.5	1,348,815	1,330,509	1,333,278	1,254,039	(X)	(X)	7.6
Construction materials and supplies.....	100,072	99,694	99,714	0.4	0.0	-0.2	99,983	100,533	101,546	100,488	(X)	(X)	-0.5
Information technology.....	134,739	134,655	134,658	0.1	0.0	0.1	134,327	133,481	134,572	132,824	(X)	(X)	1.1
Computers and related products.....	1,282	1,284	1,297	-0.2	-1.0	0.9	1,282	1,284	1,297	1,304	(X)	(X)	-1.7
Motor vehicle and parts.....	35,335	35,207	35,148	0.4	0.2	-0.2	34,549	34,317	34,416	34,313	(X)	(X)	0.7
Capital goods.....	1,009,383	991,992	988,732	1.8	0.3	0.6	1,007,396	989,218	990,096	916,077	(X)	(X)	10.0
Nondefense capital goods ³	799,169	780,415	777,830	2.4	0.3	0.8	797,530	780,029	779,607	713,438	(X)	(X)	11.8
Excluding aircraft.....	271,500	271,480	271,909	0.0	-0.2	-0.2	269,554	270,424	272,330	273,235	(X)	(X)	-1.3
Defense capital goods ⁴	210,214	211,577	210,902	-0.6	0.3	-0.4	209,866	209,189	210,489	202,639	(X)	(X)	3.6
Consumer goods.....	12,426	12,318	12,047	0.9	2.2	0.7	12,464	12,064	11,969	11,892	(X)	(X)	4.8
Consumer durable goods.....	12,426	12,318	12,047	0.9	2.2	0.7	12,464	12,064	11,969	11,892	(X)	(X)	4.8
TOTAL INVENTORIES													
All manufacturing industries.....	857,320	855,320	852,634	0.2	0.3	0.1	854,686	856,597	856,380	854,540	(X)	(X)	0.0
Construction materials and supplies.....	92,862	92,846	92,809	0.0	0.0	-0.2	91,800	92,254	92,903	91,971	(X)	(X)	-0.2
Information technology.....	46,056	45,972	45,940	0.2	0.1	-0.1	45,876	46,610	46,267	45,487	(X)	(X)	0.9
Computers and related products.....	3,543	3,533	3,567	0.3	-1.0	-1.3	3,625	3,673	3,606	3,896	(X)	(X)	-7.0
Motor vehicle and parts.....	54,043	53,704	53,549	0.6	0.3	0.2	54,384	54,529	54,328	54,030	(X)	(X)	0.7
Capital goods.....	250,901	250,423	249,482	0.2	0.4	0.0	251,040	252,400	250,233	244,581	(X)	(X)	2.6
Nondefense capital goods ³	226,720	226,094	225,296	0.3	0.4	0.0	226,848	227,969	226,073	221,268	(X)	(X)	2.5
Excluding aircraft.....	163,145	162,508	161,958	0.4	0.3	0.0	162,452	163,368	162,294	156,483	(X)	(X)	3.8
Defense capital goods ⁴	24,181	24,329	24,186	-0.6	0.6	-0.1	24,192	24,431	24,160	23,313	(X)	(X)	3.8
Consumer goods.....	257,284	255,215	253,067	0.8	0.8	0.6	256,836	254,737	254,021	257,400	(X)	(X)	-0.2
Consumer durable goods.....	41,939	41,839	42,086	0.2	-0.6	-0.4	42,420	43,020	42,348	44,053	(X)	(X)	-3.7
Consumer nondurable goods.....	215,345	213,376	210,981	0.9	1.1	0.7	214,416	211,717	211,673	213,347	(X)	(X)	0.5

^x Not Applicable

^p Preliminary

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

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

² Topical series are regroupings of the separate industry categories.

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

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CDBRB-FY23-0265).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 2, 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 September 2023/ 2022
	Sep. 2023 ^p	Aug. 2023 ^f	July 2023	Aug. - Sep.	July - Aug.	June - July	Sep. 2023 ^p	Aug. 2023 ^f	July 2023	Sep. 2022	
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries.....	315,855	315,036	315,174	0.3	0.0	0.1	314,731	315,002	316,992	317,631	-0.9
Durable goods industries.....	197,358	197,137	197,620	0.1	-0.2	0.1	197,308	197,836	199,185	194,982	1.2
Wood products.....	7,562	7,560	7,593	0.0	-0.4	-0.5	7,516	7,520	7,472	7,831	-4.0
Nonmetallic mineral products.....	7,718	7,743	7,715	-0.3	0.4	0.1	7,687	7,735	7,732	7,430	3.5
Primary metals.....	18,902	18,754	18,798	0.8	-0.2	-1.5	18,824	18,614	18,908	19,475	-3.3
Fabricated metal products.....	24,242	24,287	24,370	-0.2	-0.3	-0.6	24,441	24,435	24,642	25,842	-5.4
Machinery.....	40,534	40,707	40,806	-0.4	-0.2	1.0	40,428	40,838	40,970	38,968	3.7
Computers and electronic products.....	27,025	26,789	26,690	0.9	0.4	0.2	27,032	27,059	26,960	25,921	4.3
Electrical equipment, appliances, and components.....	12,913	12,773	12,673	1.1	0.8	0.1	12,612	12,837	12,835	11,789	7.0
Transportation equipment.....	43,394	43,512	43,937	-0.3	-1.0	0.3	43,751	43,695	44,509	42,904	2.0
Furniture and related products.....	5,256	5,247	5,245	0.2	0.0	-0.4	5,133	5,247	5,268	5,198	-1.3
Miscellaneous products.....	9,812	9,765	9,793	0.5	-0.3	0.0	9,884	9,856	9,889	9,624	2.7
Nondurable goods industries.....	118,497	117,899	117,554	0.5	0.3	0.1	117,423	117,166	117,807	122,649	-4.3
Food products.....	26,017	25,999	25,984	0.1	0.1	-0.4	25,828	25,608	25,777	26,652	-3.1
Beverage and tobacco products.....	6,439	6,477	6,429	-0.6	0.7	-1.0	6,260	6,158	6,112	6,150	1.8
Textiles.....	1,479	1,467	1,458	0.8	0.6	-0.3	1,476	1,476	1,476	1,478	-0.1
Textile products.....	1,693	1,698	1,709	-0.3	-0.6	0.8	1,699	1,702	1,707	1,770	-4.0
Apparel.....	571	566	565	0.9	0.2	-0.2	577	578	582	658	-12.3
Leather and allied products.....	385	385	384	0.0	0.3	1.1	385	391	396	416	-7.5
Paper products.....	9,259	9,294	9,374	-0.4	-0.9	-1.8	9,308	9,386	9,493	9,856	-5.6
Printing.....	3,456	3,479	3,506	-0.7	-0.8	-1.9	3,543	3,498	3,480	3,871	-8.5
Petroleum and coal products.....	15,163	14,083	13,339	7.7	5.6	4.4	14,754	13,851	13,855	15,758	-6.4
Chemical products.....	39,485	39,849	39,825	-0.9	0.1	0.2	38,996	39,751	39,897	39,910	-2.3
Plastics and rubber products.....	14,550	14,602	14,981	-0.4	-2.5	-0.6	14,597	14,767	15,032	16,130	-9.5
<u>WORK IN PROCESS</u>											
All manufacturing industries.....	242,250	242,220	239,981	0.0	0.9	0.4	241,181	242,825	241,276	239,664	0.6
Durable goods industries.....	177,939	177,494	176,706	0.3	0.4	0.0	178,323	178,819	177,378	179,095	-0.4
Wood products.....	1,804	1,787	1,811	1.0	-1.3	0.0	1,774	1,765	1,793	2,094	-15.3
Nonmetallic mineral products.....	1,772	1,764	1,742	0.5	1.3	2.2	1,730	1,746	1,746	1,563	10.7
Primary metals.....	12,273	12,284	12,334	-0.1	-0.4	0.6	12,264	12,470	12,394	13,550	-9.5
Fabricated metal products.....	17,326	17,160	17,006	1.0	0.9	0.3	17,244	17,196	17,151	16,146	6.8
Machinery.....	24,269	24,071	24,110	0.8	-0.2	-0.9	24,434	24,225	23,897	23,993	1.8
Computers and electronic products.....	13,734	13,887	13,801	-1.1	0.6	1.8	13,460	13,665	13,757	14,322	-6.0
Electrical equipment, appliances, and components.....	4,636	4,687	4,642	-1.1	1.0	0.5	4,536	4,729	4,706	4,487	1.1
Transportation equipment.....	95,936	95,635	95,015	0.3	0.7	-0.3	96,661	96,715	95,651	96,678	0.0
Furniture and related products.....	1,398	1,435	1,488	-2.6	-3.6	-0.9	1,400	1,438	1,477	1,520	-7.9
Miscellaneous products.....	4,791	4,784	4,757	0.1	0.6	-0.1	4,820	4,870	4,806	4,742	1.6
Nondurable goods industries.....	64,311	64,726	63,275	-0.6	2.3	1.6	62,858	64,006	63,898	60,569	3.8
Food products.....	7,179	7,454	7,601	-3.7	-1.9	-1.0	6,682	6,972	7,106	7,118	-6.1
Beverage and tobacco products.....	11,285	11,285	11,284	0.0	0.0	0.8	11,090	10,926	10,926	10,580	4.8
Textiles.....	562	570	575	-1.4	-0.9	-0.5	569	577	584	628	-9.4
Textile products.....	464	457	455	1.5	0.4	-3.6	473	459	452	506	-6.5
Apparel.....	301	294	296	2.4	-0.7	2.8	311	304	307	285	9.1
Leather and allied products.....	143	135	138	5.9	-2.2	-1.4	141	137	142	129	9.3
Paper products.....	1,781	1,762	1,778	1.1	-0.9	10.7	1,765	1,791	1,823	1,636	7.9
Printing.....	1,153	1,166	1,166	-1.1	0.0	-0.4	1,206	1,206	1,152	1,330	-9.3
Petroleum and coal products.....	18,117	17,887	16,481	1.3	8.5	4.9	17,979	17,845	17,255	16,112	11.6
Chemical products.....	19,485	19,633	19,630	-0.8	0.0	0.1	18,785	19,706	20,300	18,380	2.2
Plastics and rubber products.....	3,841	4,083	3,871	-5.9	5.5	0.8	3,857	4,083	3,851	3,865	-0.2
<u>FINISHED GOODS</u>											
All manufacturing industries.....	299,215	298,064	297,479	0.4	0.2	-0.2	298,774	298,770	298,112	297,245	0.5
Durable goods industries.....	148,344	148,474	148,001	-0.1	0.3	-0.2	146,861	148,864	148,233	143,417	2.4
Wood products.....	6,546	6,526	6,428	0.3	1.5	0.6	6,260	6,308	6,253	6,424	-2.6
Nonmetallic mineral products.....	7,801	7,761	7,739	0.5	0.3	0.5	7,672	7,683	7,790	7,356	4.3
Primary metals.....	15,245	15,415	15,343	-1.1	0.5	0.6	14,954	15,130	15,359	14,725	1.6
Fabricated metal products.....	23,137	23,329	23,409	-0.8	-0.3	-0.3	22,749	23,355	23,734	22,980	-1.0
Machinery.....	30,249	29,975	29,771	0.9	0.7	-0.8	29,842	29,581	29,389	27,111	10.1
Computers and electronic products.....	14,408	14,452	14,474	-0.3	-0.2	-1.4	14,314	14,686	14,678	14,641	-2.2
Electrical equipment, appliances, and components.....	8,874	8,930	9,023	-0.6	-1.0	0.0	8,691	9,028	9,040	8,526	1.9
Transportation equipment.....	25,210	25,263	25,032	-0.2	0.9	0.1	25,454	26,125	25,117	24,484	4.0
Furniture and related products.....	3,524	3,501	3,493	0.7	0.2	0.5	3,546	3,552	3,563	3,805	-6.8
Miscellaneous products.....	13,350	13,322	13,289	0.2	0.2	0.5	13,379	13,416	13,310	13,365	0.1
Nondurable goods industries.....	150,871	149,590	149,478	0.9	0.1	-0.2	151,913	149,906	149,879	153,828	-1.2
Food products.....	37,813	37,566	37,414	0.7	0.4	-0.6	38,920	37,918	36,949	38,041	2.3
Beverage and tobacco products.....	13,206	13,241	13,321	-0.3	-0.6	-0.7	13,007	13,301	13,342	13,854	-6.1
Textiles.....	1,521	1,549	1,569	-1.8	-1.3	-0.9	1,522	1,563	1,589	1,629	-6.6
Textile products.....	1,484	1,489	1,504	-0.3	-1.0	-1.7	1,484	1,481	1,492	1,709	-13.2
Apparel.....	1,302	1,312	1,328	-0.8	-1.2	-0.6	1,347	1,378	1,389	1,385	-2.7
Leather and allied products.....	749	745	737	0.5	1.1	-1.9	754	754	746	793	-4.9
Paper products.....	6,854	6,851	6,807	0.0	0.6	-2.4	6,832	6,855	6,901	7,067	-3.3
Printing.....	2,036	2,076	2,137	-1.9	-2.9	-0.9	2,048	2,099	2,104	2,179	-6.0
Petroleum and coal products.....	17,062	16,683	16,421	2.3	1.6	4.5	17,121	16,642	17,141	16,918	1.2
Chemical products.....	53,789	53,159	53,243	1.2	-0.2	-0.4	53,971	53,136	53,226	55,173	-2.2
Plastics and rubber products.....	15,055	14,919	14,997	0.9	-0.5	-1.1	14,907	14,779	15,000	15,080	-1.1

^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, September Full Report, November 2, 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			
	Sep 2023 ^a	Aug 2023 ¹	Jul 2023	Jun 2023	Sep 2023 ^a	Aug 2023 ¹	Jul 2023	Jun 2023
All manufacturing industries ³	1.46	1.46	1.47	1.48	(X)	(X)	(X)	(X)
Durable goods industries ³	1.85	1.84	1.84	1.84	6.88	6.78	6.80	6.74
Wood products.....	1.19	1.19	1.19	1.19	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.30	1.30	1.30	1.29	(X)	(X)	(X)	(X)
Primary metals.....	1.76	1.75	1.75	1.74	1.45	1.44	1.43	1.41
Fabricated metal products.....	1.79	1.81	1.81	1.82	3.67	3.70	3.70	3.70
Machinery.....	2.49	2.47	2.50	2.51	4.02	3.99	4.04	4.06
Computers and electronic products ³	1.87	1.88	1.87	1.88	5.95	5.98	6.02	6.02
Electrical equipment, appliances, and components.....	1.86	1.86	1.88	1.87	3.44	3.42	3.47	3.44
Transportation equipment.....	1.80	1.78	1.79	1.78	14.73	14.37	14.45	14.14
Furniture and related products.....	1.50	1.52	1.52	1.49	1.79	1.81	1.80	1.84
Miscellaneous products.....	1.94	1.92	1.92	1.92	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.10	1.10	1.12	1.13	(X)	(X)	(X)	(X)
Food products.....	0.89	0.89	0.89	0.90	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.70	1.73	1.74	1.75	(X)	(X)	(X)	(X)
Textiles.....	1.68	1.71	1.72	1.73	(X)	(X)	(X)	(X)
Textile products.....	1.85	1.83	1.86	1.86	(X)	(X)	(X)	(X)
Apparel.....	2.60	2.55	2.56	2.66	(X)	(X)	(X)	(X)
Leather and allied products.....	2.72	2.67	2.64	2.66	(X)	(X)	(X)	(X)
Paper products.....	1.04	1.04	1.04	1.04	(X)	(X)	(X)	(X)
Printing.....	0.91	0.92	0.93	0.94	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.68	0.68	0.70	0.72	(X)	(X)	(X)	(X)
Chemical products.....	1.45	1.45	1.45	1.46	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.35	1.36	1.38	1.38	(X)	(X)	(X)	(X)

X Not Applicable

^a Preliminary

¹ 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/>>.

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Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, September Full Report, November 2, 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	
	Sep ² 2023	Sep ³ 2022-2023	Sep ² 2023	Sep ³ 2022-2023	Sep ² 2023	Sep ³ 2022-2023	Sep ² 2023	Sep ³ 2022-2023
	Aug 2023	Aug 2023	Aug 2023	Aug 2023	Aug 2023	Aug 2023	Aug 2023	Aug 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.....	0.1	0.2	0.1	0.3	0.0	0.1	0.1	0.2
Fabricated metal products.....	0.0	0.2	-0.1	0.3	-0.1	0.1	0.0	0.1
Machinery.....	-0.1	0.2	-0.2	0.4	-0.1	0.1	0.0	0.1
Computers and electronic products.....	-0.1	0.2	0.0	0.4	-0.1	0.1	0.0	0.1
Electrical equipment, appliances, and components.....	-0.1	0.3	0.1	0.7	0.1	0.2	0.0	0.2
Transportation equipment.....	-0.1	0.3	0.0	1.1	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.3	(X)	0.8	(X)	0.4	(X)	0.4
Miscellaneous products.....	(X)	0.2	(X)	0.2	(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)	0.2
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)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Paper products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	1.4	(X)	(NA)	(X)	(NA)	(X)	0.5
Chemical products.....	(X)	0.2	(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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