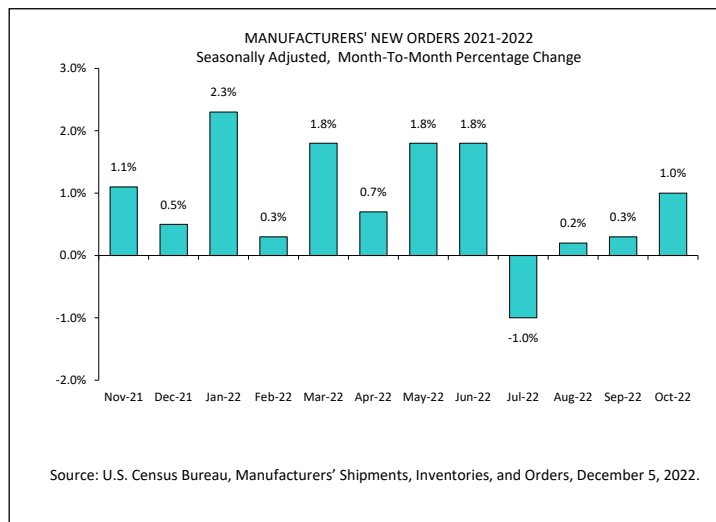


MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS OCTOBER 2022

Release Number: CB 22-190 M3-2 (22)-10

December 5, 2022 — The U.S. Census Bureau announces the October full report on manufacturers' shipments, inventories and orders:

MANUFACTURED GOODS – NEW ORDERS		
OCTOBER 2022	\$556.6 billion	+1.0%°
SEPTEMBER 2022 (revised)	\$550.9 billion	+0.3%°
Next release: January 6, 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, December 5, 2022.</small>		



Summary

New orders for manufactured goods in October, up twelve of the last thirteen months, increased \$5.8 billion or 1.0 percent to \$556.6 billion, the U.S. Census Bureau reported today. This followed a 0.3 percent September increase. Shipments, up nineteen of the last twenty months, increased \$3.9 billion or 0.7 percent to \$554.8 billion. This followed a 0.3 percent September increase. Unfilled orders, up twenty-six consecutive months, increased \$6.9 billion or 0.6 percent to \$1,144.0 billion. This followed a 0.5 percent September increase. The unfilled orders-to-shipments ratio was 6.03, unchanged from September. Inventories, up two consecutive months, increased \$4.0 billion or 0.5 percent to \$805.3 billion. This followed a 0.1 percent September increase. The inventories-to-shipments ratio was 1.45, unchanged from September.

New Orders

New orders for manufactured durable goods in October, up seven of the last eight months, increased \$3.0 billion or 1.1 percent to \$277.4 billion, up from the previously published 1.0 percent increase. This followed a 0.2 percent September increase. Transportation equipment, up six of the last seven months,

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led the increase, \$2.1 billion or 2.2 percent to \$97.7 billion. New orders for manufactured nondurable goods increased \$2.8 billion or 1.0 percent to \$279.3 billion.

Shipments

Shipments of manufactured durable goods in October, up seventeen of the last eighteen months, increased \$1.1 billion or 0.4 percent to \$275.5 billion, unchanged from the previously published increase. This followed a 0.3 percent September increase. Machinery, up nineteen of the last twenty months, led the increase, \$0.6 billion or 1.4 percent to \$38.8 billion. Shipments of manufactured nondurable goods, up nineteen of the last twenty months, increased \$2.8 billion or 1.0 percent to \$279.3 billion. This followed a 0.3 percent September increase. Petroleum and coal products, up two consecutive months, drove the increase, \$2.9 billion or 4.4 percent to \$69.1 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in October, up twenty-six consecutive months, increased \$6.9 billion or 0.6 percent to \$1,144.0 billion, unchanged from the previously published increase. This followed a 0.5 percent September increase. Transportation equipment, up twenty of the last twenty-one months, led the increase, \$6.8 billion or 1.0 percent to \$670.9 billion.

Inventories

Inventories of manufactured durable goods in October, up twenty-one consecutive months, increased \$0.8 billion or 0.2 percent to \$489.5 billion, unchanged from the previously published increase. This followed a 0.3 percent September increase. Machinery, up twenty-four consecutive months, drove the increase, \$0.9 billion or 1.1 percent to \$86.6 billion. Inventories of manufactured nondurable goods, up following three consecutive monthly decreases, increased \$3.2 billion or 1.0 percent to \$315.8 billion. This followed a 0.1 percent September decrease. Petroleum and coal products, up following four consecutive monthly decreases, led the increase, \$2.9 billion or 5.9 percent to \$51.6 billion. By stage of fabrication, October materials and supplies increased 0.4 percent in both durable and nondurable goods. Work in process decreased 0.3 percent in durable goods and increased 1.5 percent in nondurable goods. Finished goods increased 0.4 percent in durable goods and 1.3 percent in nondurable goods.

The Advance Report on durable goods for November is scheduled for release on December 23, 2022, at 8:30 a.m. EST and the Full Report on January 6, 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.

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 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.

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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.

2023 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)
Nov-22	Fri 12/23/2022	Fri 1/6/2023
Dec-22	Thu 1/26/2023	Thu 2/2/2023
Jan-23	Mon 2/27/2023	Mon 3/6/2023
Feb-23	Fri 3/24/2023	Tue 4/4/2023
Mar-23	Wed 4/26/2023	Tue 5/2/2023
Apr-23	Fri 5/26/2023	Mon 6/5/2023
May-23	Tue 6/27/2023	Wed 7/5/2023
Jun-23	Thu 7/27/2023	Thu 8/3/2023
Jul-23	Thu 8/24/2023	Tue 9/5/2023
Aug-23	Wed 9/27/2023	Wed 10/4/2023
Sep-23	Thu 10/26/2023	Thu 11/2/2023
Oct-23	Wed 11/22/2023	Mon 12/4/2023
Nov-23	Fri 12/22/2023	Not available at this time

[OMB: Schedule of Release Dates 2023 \(whitehouse.gov\)](https://www.whitehouse.gov/omb/schedule-of-release-dates-2023)

Special Notice - New Advance Estimates Of Total Manufacturing

Beginning with September 2021 data released on October 27, 2021, advance estimates of total manufacturing, including M3 durable and nondurable industries, for shipments and inventories, are available at the same time as the Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders. Monthly advance total manufacturing estimates are available on a seasonally adjusted basis as well as a not seasonally adjusted basis on the M3 website under the "Advance Report Highlights".

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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		
	Oct.	Sep.	Aug.	Sep. -	Aug. -	July -	Oct.	Sep.	Aug.	Oct.			% Change
	2022 ^P	2022 ^r	2022	Oct.	Sep.	Aug.	2022 ^P	2022 ^r	2022	2021	2022 ^P	2021	2021
All manufacturing industries.....	554,785	550,844	549,197	0.7	0.3	0.7	559,641	567,627	570,039	506,744	5,415,219	4,796,153	12.9
Excluding transportation.....	463,809	460,249	459,663	0.8	0.1	0.2	468,683	470,051	477,547	428,242	4,560,746	4,048,518	12.7
Excluding defense.....	538,319	534,383	532,587	0.7	0.3	0.7	543,394	549,636	553,835	491,341	5,256,834	4,647,127	13.1
With unfilled orders.....	189,640	188,553	189,347	0.6	-0.4	1.6	188,470	199,708	195,363	173,699	1,853,474	1,663,192	11.4
Durable goods industries.....	275,490	274,348	273,530	0.4	0.3	1.3	277,165	290,707	285,036	253,454	2,688,017	2,418,681	11.1
Wood products.....	12,703	12,811	12,805	-0.8	0.0	0.2	13,091	13,333	13,681	12,885	131,470	124,607	5.5
Nonmetallic mineral products.....	12,658	12,564	12,498	0.7	0.5	-0.6	13,379	13,416	14,131	12,532	126,867	117,388	8.1
Primary metals.....	20,330	20,329	20,754	0.0	-2.0	0.4	20,013	20,550	21,894	19,664	209,542	187,831	11.6
Iron and steel mills.....	12,023	12,098	12,267	-0.6	-1.4	-1.4	11,867	12,341	13,055	11,268	122,175	105,494	15.8
Aluminum and nonferrous metals.....	6,782	6,727	7,003	0.8	-3.9	3.2	6,648	6,705	7,246	7,005	72,259	68,921	4.8
Ferrous metal foundries.....	1,525	1,504	1,484	1.4	1.3	2.6	1,498	1,504	1,593	1,391	15,108	13,416	12.6
Fabricated metal products.....	36,660	36,691	36,836	-0.1	-0.4	-0.8	37,659	37,943	39,441	35,927	370,475	332,145	11.5
Machinery.....	38,835	38,282	38,151	1.4	0.3	0.4	38,301	39,554	38,882	34,650	377,503	333,507	13.2
Farm machinery.....	2,398	2,510	2,735	-4.5	-8.2	-4.6	2,331	2,385	2,649	2,376	27,113	26,368	2.8
Construction machinery.....	3,888	3,861	3,699	0.7	4.4	0.8	3,849	3,855	3,719	2,871	36,278	28,882	25.6
Mining, oil field, and gas field machinery.....	1,597	1,528	1,541	4.5	-0.8	1.0	1,618	1,565	1,535	1,321	14,525	12,593	15.3
Industrial machinery.....	6,347	6,210	6,206	2.2	0.1	-0.2	6,427	7,120	6,110	5,843	61,979	46,115	34.4
Photographic equipment.....	522	503	520	3.8	-3.3	3.2	468	571	521	457	5,123	5,140	-0.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,743	4,753	4,763	-0.2	-0.2	4.0	4,449	5,047	5,294	4,056	47,168	41,810	12.8
Metalworking machinery.....	2,602	2,559	2,585	1.7	-1.0	-2.2	2,668	2,672	2,672	2,612	25,844	25,496	1.4
Turbines, generators, and other power transmission equipment.....	3,555	3,439	3,321	3.4	3.6	1.5	3,649	3,347	3,478	3,293	32,957	32,241	2.2
Material handling equipment.....	3,594	3,456	3,437	4.0	0.6	0.9	3,542	3,434	3,600	2,928	34,419	27,836	23.6
Computers and electronic products ²	29,491	29,380	29,193	0.4	0.6	0.0	29,707	32,882	29,477	27,206	284,541	267,010	6.6
Computers.....	733	735	753	-0.3	-2.4	-2.0	761	824	796	717	7,321	7,270	0.7
Computer storage devices.....	674	657	666	2.6	-1.4	-0.6	628	663	604	554	6,251	5,479	14.1
Other peripheral equipment.....	862	778	748	10.8	4.0	3.0	882	983	726	408	6,046	4,329	39.7
Nondefense communications equipment.....	3,057	3,029	3,065	0.9	-1.2	-2.8	2,711	3,774	2,758	2,461	29,603	26,897	10.1
Defense communications equipment....	213	211	213	0.9	-0.9	-1.4	213	248	218	211	2,091	1,971	6.1
Audio and video equipment.....	353	371	379	-4.9	-2.1	0.3	447	371	339	450	3,635	2,944	23.5
Electronic components.....	4,569	4,588	4,582	-0.4	0.1	-0.6	4,453	4,766	4,902	4,053	45,387	39,895	13.8
Nondefense search and navigation equipment.....	1,661	1,641	1,655	1.2	-0.8	-0.5	1,616	1,805	1,693	1,556	16,250	15,963	1.8
Defense search and navigation equipment.....	3,280	3,268	3,237	0.4	1.0	2.1	3,318	3,489	3,213	3,132	31,732	31,443	0.9
Electromedical, measuring, and control instruments.....	8,990	8,920	8,929	0.8	-0.1	0.5	8,753	10,021	8,938	8,025	86,116	82,173	4.8
Electrical equipment, appliances, and components.....	13,514	13,465	13,451	0.4	0.1	2.3	13,511	14,509	14,125	12,481	132,947	120,060	10.7
Electric lighting equipment.....	1,048	1,048	1,045	0.0	0.3	0.2	1,088	1,097	1,115	1,034	10,385	10,123	2.6
Household appliances.....	2,786	2,755	2,749	1.1	0.2	2.9	2,730	3,058	2,869	2,504	26,693	24,999	6.8
Electrical equipment.....	3,822	3,873	3,779	-1.3	2.5	1.2	3,619	4,332	3,919	3,437	37,712	35,090	7.5
Batteries.....	983	956	956	2.8	0.0	0.7	1,119	1,039	1,069	972	9,462	8,273	14.4
Transportation equipment.....	90,976	90,595	89,534	0.4	1.2	3.7	90,958	97,576	92,492	78,502	854,473	747,635	14.3
Automobiles.....	7,905	8,037	7,822	-1.6	2.7	5.0	8,124	8,323	8,873	6,917	75,401	66,851	12.8
Light trucks and utility vehicles.....	23,920	23,777	22,696	0.6	4.8	0.3	24,549	25,920	24,279	20,324	221,853	187,925	18.1
Heavy duty trucks	2,677	2,607	2,488	2.7	4.8	3.2	2,783	2,792	2,577	2,064	24,086	19,466	23.7
Motor vehicle bodies, parts, and trailers.....	27,395	27,336	27,257	0.2	0.3	0.3	28,095	28,103	29,570	25,778	270,521	241,856	11.9
Nondefense aircraft and parts.....	12,990	12,849	13,137	1.1	-2.2	24.7	11,535	15,058	11,223	8,726	108,254	90,830	19.2
Defense aircraft and parts.....	5,375	5,401	5,505	-0.5	-1.9	6.0	5,383	6,041	5,502	5,445	52,795	52,405	0.7
Ships and boats.....	3,558	3,364	3,530	5.8	-4.7	-1.4	3,568	3,420	3,556	3,556	34,946	35,144	-0.6
Furniture and related products.....	6,257	6,245	6,202	0.2	0.7	0.3	6,346	6,272	6,688	6,009	61,827	58,023	6.6
Miscellaneous durable goods.....	14,066	13,986	14,106	0.6	-0.9	0.7	14,200	14,672	14,225	13,598	138,372	130,475	6.1
Nondurable goods industries.....	279,295	276,496	275,667	1.0	0.3	0.2	282,476	276,920	285,003	253,290	2,727,202	2,377,472	14.7
Food products.....	76,036	75,849	76,148	0.2	-0.4	0.1	78,806	77,433	77,890	75,594	754,407	718,875	4.9
Grain and oilseed milling.....	9,327	9,280	9,114	0.5	1.8	-0.9	9,513	9,191	9,575	8,521	90,854	81,109	12.0
Dairy products.....	11,878	11,874	11,937	0.0	-0.5	-0.8	12,143	11,869	12,193	11,209	117,851	109,869	7.3
Meat, poultry, and seafood products...	22,812	22,809	22,803	0.0	0.0	0.2	23,036	23,115	23,192	22,465	228,475	217,066	5.3
Beverage and tobacco products.....	16,821	16,917	16,919	-0.6	0.0	3.0	16,998	17,312	17,538	14,430	161,176	139,446	15.6
Beverages.....	10,349	10,116	10,031	2.3	0.8	0.9	10,526	10,511	10,650	9,956	99,886	94,173	6.1
Tobacco.....	6,472	6,801	6,888	-4.8	-1.3	6.3	6,472	6,801	6,888	4,474	61,290	45,273	35.4
Textile mills.....	2,309	2,320	2,340	-0.5	-0.9	0.6	2,343	2,343	2,498	2,335	23,472	22,719	3.3
Textile products.....	1,959	1,999	1,983	-2.0	0.8	0.1	1,984	2,000	2,061	1,965	20,129	19,296	4.3
Apparel.....	756	737	718	2.6	2.6	-0.8	862	771	774	806	7,235	7,004	3.3
Leather and allied products.....	471	462	444	1.9	4.1	5.5	471	471	472	392	4,410	3,951	11.6
Paper products.....	16,192	16,213	16,217	-0.1	0.0	0.2	16,403	16,514	17,174	16,358	163,835	158,116	3.6
Pulp, paper, and paperboard mills.....	5,810	5,796	5,818	0.2	-0.4	-0.7	5,891	5,933	6,175	5,846	59,117	56,927	3.8
Paperboard containers.....	6,011	6,003	6,007	0.1	-0.1	0.3	6,104	6,197	6,513	6,062	60,718	59,064	2.8
Printing.....	7,062	7,030	6,938	0.5	1.3	-0.4	7,484	7,288	7,155	6,717	68,258	61,886	10.3
Petroleum and coal products.....	69,114	66,196	64,866	4.4	2.1	-1.0	69,210	63,377	67,391	49,274	638,591	421,609	51.5
Petroleum refineries.....	63,643	60,817	59,585	4.6	2.1	-1.0	63,309	57,484	61,194	44,286	585,842	375,120	56.2
Chemical products.....	66,342	66,547	66,655	-0.3	-0.2	0.6	65,328	66,673	68,477	63,473	660,570	617,214	7.0
Pesticides, fertilizers, and other agricultural chemicals.....	3,509	3,366	3,175	4.2	6.0	-2.0	2,913	2,896	2,586	2,610	32,630	29,003	12.5
Pharmaceuticals and medicines.....	22,524	22,475	22,112	0.2	1.6	0.6	22,537	23,279	23,117	20,495	215,214	196,366	9.6
Paints, coatings, and adhesives.....	3,830	3,786	3,827	1.2	-1.1	1.7	3,768	3,799	4,204	3,645	38,709	36,482	6.1
Plastics and rubber products.....	22,233	22,226	22,439	0.0	-0.9	0.3	22,587	22,738	23,573	21,946	225,119	207,356	8.6

^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 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/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2022. 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		
	Oct. 2022 ^p	Sep. 2022 ^r	Aug. 2022	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2022 ^p	Sep. 2022 ^r	Aug. 2022	Oct. 2021	2022 ^p	2021	% Change 2022/ 2021
All manufacturing industries ²	556,645	550,895	549,508	1.0	0.3	0.2	555,957	566,852	564,326	500,376	5,424,886	4,809,634	12.8
Excluding transportation ²	458,901	455,219	456,025	0.8	-0.2	0.1	460,746	463,031	470,103	423,805	4,523,388	4,051,473	11.6
Excluding defense ²	540,085	535,072	530,931	0.9	0.8	0.0	541,395	546,400	547,912	487,467	5,265,819	4,663,733	12.9
With unfilled orders ²	196,518	193,704	194,542	1.5	-0.4	0.1	190,621	204,784	194,855	172,878	1,912,441	1,724,510	10.9
Durable goods industries ²	277,350	274,399	273,841	1.1	0.2	0.2	273,481	289,932	279,323	247,086	2,697,684	2,432,162	10.9
Primary metals.....	20,254	20,241	20,738	0.1	-2.4	0.4	19,712	20,137	21,451	19,439	208,940	191,386	9.2
Iron and steel mills.....	12,037	12,146	12,425	-0.9	-2.2	0.0	11,589	12,181	13,038	11,041	122,121	107,361	13.7
Aluminum and nonferrous metals.....	6,670	6,555	6,823	1.8	-3.9	0.6	6,670	6,456	6,842	7,046	71,421	70,050	2.0
Ferrous metal foundries.....	1,547	1,540	1,490	0.5	3.4	2.8	1,453	1,500	1,571	1,352	15,398	13,975	10.2
Fabricated metal products.....	36,511	36,444	36,860	0.2	-1.1	-0.9	35,990	36,717	38,767	35,011	372,823	352,381	5.8
Machinery.....	39,203	38,633	38,888	1.5	-0.7	0.7	38,344	39,435	38,864	36,052	384,354	348,675	10.2
Construction machinery.....	3,965	3,651	3,674	8.6	-0.6	-0.5	3,901	3,609	3,584	3,010	36,446	31,639	15.2
Mining, oil field, and gas field machinery.....	1,610	1,533	1,661	5.0	-7.7	9.6	1,631	1,570	1,655	1,403	14,631	13,038	12.2
Industrial machinery.....	6,305	6,178	6,297	2.1	-1.9	-4.2	6,553	6,999	5,978	6,513	63,742	48,415	31.7
Photographic equipment.....	489	448	516	9.2	-13.2	-6.7	496	748	541	488	5,260	5,285	-0.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,945	5,004	5,058	-1.2	-1.1	2.0	4,431	5,157	5,411	4,096	49,670	43,746	13.5
Metalworking machinery.....	2,564	2,595	2,611	-1.2	-0.6	2.4	2,648	2,601	2,605	2,733	25,921	26,375	-1.7
Turbines, generators, and other power transmission equipment.....	3,560	3,434	3,278	3.7	4.8	2.8	3,654	3,342	3,435	3,558	32,776	33,211	-1.3
Material handling equipment.....	3,775	3,759	3,649	0.4	3.0	3.4	3,672	3,726	3,760	2,963	35,765	29,027	23.2
Computers and electronic products ²	24,357	24,239	24,519	0.5	-1.1	-0.1	23,613	27,743	23,357	22,214	235,863	223,297	5.6
Computers.....	734	723	745	1.5	-3.0	-4.2	762	812	788	686	7,301	7,182	1.7
Nondefense communications equipment.....	2,983	2,879	3,082	3.6	-6.6	0.9	2,589	3,622	2,617	2,896	29,044	28,606	1.5
Defense communications equipment.....	214	209	210	2.4	-0.5	-5.4	205	254	217	186	2,052	1,792	14.5
Electronic components.....	4,507	4,601	4,648	-2.0	-1.0	-0.4	4,427	4,854	4,804	4,204	45,517	41,126	10.7
Nondefense search and navigation equipment.....	1,680	1,663	1,757	1.0	-5.4	-1.6	1,746	1,860	1,784	1,854	17,550	17,933	-2.1
Defense search and navigation equipment.....	3,246	3,339	3,195	-2.8	4.5	-1.7	3,091	3,931	2,771	2,668	31,023	30,400	2.0
Electromedical, measuring, and control instruments.....	9,023	8,937	9,007	1.0	-0.8	0.8	8,746	10,306	8,622	8,216	86,635	82,697	4.8
Electrical equipment, appliances, and components.....	13,771	13,701	13,851	0.5	-1.1	1.4	13,832	14,402	14,262	13,082	135,843	125,508	8.2
Electric lighting equipment.....	1,090	1,038	1,104	5.0	-6.0	2.7	1,164	1,071	1,156	1,093	10,551	10,348	2.0
Household appliances.....	2,875	2,761	2,753	4.1	0.3	4.2	2,874	3,230	2,803	2,578	26,213	25,959	1.0
Electrical equipment.....	3,881	3,962	3,960	-2.0	0.1	-2.1	3,794	3,945	4,008	3,586	40,108	35,210	13.9
Transportation equipment.....	97,744	95,676	93,483	2.2	2.3	0.5	95,211	103,821	94,223	76,571	901,498	758,161	18.9
Motor vehicle bodies, parts, and trailers.....	27,364	26,903	27,027	1.7	-0.5	-0.4	27,334	27,645	29,494	25,530	269,279	244,548	10.1
Nondefense aircraft and parts ³	19,840	18,458	14,954	7.5	23.4	-8.6	18,125	19,141	12,049	9,190	154,401	101,782	51.7
Defense aircraft and parts.....	5,422	4,456	6,611	21.7	-32.6	26.1	4,689	5,504	6,541	4,904	53,478	49,266	8.5
Ships and boats.....	3,034	2,730	5,386	11.1	-49.3	5.7	2,854	3,232	4,570	3,100	34,993	36,505	-4.1
Furniture and related products.....	6,109	6,090	6,094	0.3	-0.1	-1.4	6,135	6,242	6,363	5,806	61,496	60,193	2.2
Nondurable goods industries.....	279,295	276,496	275,667	1.0	0.3	0.2	282,476	276,920	285,003	253,290	2,727,202	2,377,472	14.7

^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/>>. Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2022. 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 October 2022/ 2021
	Oct. 2022 ^p	Sep. 2022 ^r	Aug. 2022	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2022 ^p	Sep. 2022 ^r	Aug. 2022	Oct. 2021	
All manufacturing industries ²	1,143,979	1,137,101	1,131,950	0.6	0.5	0.5	1,133,568	1,131,417	1,126,341	1,057,901	7.2
Excluding transportation ²	473,117	473,007	472,937	0.0	0.0	0.3	468,314	470,416	471,585	452,040	3.6
Excluding defense ²	929,853	923,069	917,280	0.7	0.6	0.4	921,098	917,262	914,647	847,978	8.6
Durable goods industries ²	1,143,979	1,137,101	1,131,950	0.6	0.5	0.5	1,133,568	1,131,417	1,126,341	1,057,901	7.2
Primary metals.....	30,559	30,635	30,723	-0.2	-0.3	-0.1	29,643	29,944	30,357	29,912	-0.9
Iron and steel mills.....	16,099	16,085	16,037	0.1	0.3	1.0	15,612	15,890	16,050	15,943	-2.1
Aluminum and nonferrous metals.....	10,275	10,387	10,559	-1.1	-1.6	-1.7	9,977	9,955	10,204	10,455	-4.6
Ferrous metal foundries.....	4,185	4,163	4,127	0.5	0.9	0.1	4,054	4,099	4,103	3,514	15.4
Fabricated metal products.....	117,625	117,774	118,021	-0.1	-0.2	0.0	116,318	117,987	119,213	114,685	1.4
Machinery.....	133,021	132,653	132,302	0.3	0.3	0.6	131,773	131,730	131,849	123,685	6.5
Construction machinery.....	9,889	9,812	10,022	0.8	-2.1	-0.2	9,433	9,381	9,627	9,068	4.0
Mining, oil field, and gas field machinery.....	5,173	5,160	5,155	0.3	0.1	2.4	5,173	5,160	5,155	4,987	3.7
Industrial machinery.....	12,682	12,724	12,756	-0.3	-0.3	0.7	12,680	12,554	12,675	11,028	15.0
Photographic equipment.....	3,070	3,103	3,158	-1.1	-1.7	-0.1	3,290	3,262	3,085	3,458	-4.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	12,103	11,901	11,650	1.7	2.2	2.6	11,779	11,797	11,687	8,733	34.9
Metalworking machinery.....	8,544	8,582	8,546	-0.4	0.4	0.3	8,471	8,491	8,562	8,216	3.1
Turbines, generators, and other power transmission equipment.....	33,238	33,233	33,238	0.0	0.0	-0.1	33,238	33,233	33,238	33,241	0.0
Material handling equipment.....	17,316	17,135	16,832	1.1	1.8	1.3	17,156	17,026	16,734	15,322	12.0
Computers and electronic products ²	140,432	140,548	140,589	-0.1	0.0	0.1	139,624	139,883	139,171	136,012	2.7
Computers.....	1,199	1,198	1,210	0.1	-1.0	-0.7	1,199	1,198	1,210	1,289	-7.0
Nondefense communications equipment.....	20,847	20,921	21,071	-0.4	-0.7	0.1	20,443	20,565	20,717	19,255	6.2
Defense communications equipment.....	314	313	315	0.3	-0.6	-0.9	301	309	303	323	-6.8
Electronic components.....	16,057	16,119	16,106	-0.4	0.1	0.4	15,902	15,928	15,840	15,479	2.7
Nondefense search and navigation equipment.....	32,280	32,261	32,239	0.1	0.1	0.3	32,391	32,261	32,206	30,906	4.8
Defense search and navigation equipment.....	38,446	38,480	38,409	-0.1	0.2	-0.1	38,249	38,476	38,034	38,270	-0.1
Electromedical, measuring, and control instruments.....	31,289	31,256	31,239	0.1	0.1	0.3	31,139	31,146	30,861	30,490	2.1
Electrical equipment, appliances, and components.....	40,167	39,910	39,674	0.6	0.6	1.0	39,697	39,376	39,483	36,074	10.0
Electric lighting equipment.....	2,312	2,270	2,280	1.9	-0.4	2.7	2,319	2,243	2,269	2,092	10.9
Household appliances.....	4,843	4,754	4,748	1.9	0.1	0.1	4,927	4,783	4,611	5,430	-9.3
Electrical equipment.....	16,936	16,877	16,788	0.3	0.5	1.1	16,609	16,434	16,821	14,101	17.8
Transportation equipment.....	670,862	664,094	659,013	1.0	0.8	0.6	665,254	661,001	654,756	605,861	9.8
Motor vehicle bodies, parts, and trailers.....	27,742	27,773	28,206	-0.1	-1.5	-0.8	26,505	27,266	27,724	26,393	0.4
Nondefense aircraft and parts.....	454,377	447,527	441,918	1.5	1.3	0.4	451,480	444,890	440,807	395,298	14.2
Defense aircraft and parts.....	60,323	60,276	61,221	0.1	-1.5	1.8	59,241	59,935	60,472	56,924	4.1
Ships and boats.....	50,635	51,159	51,793	-1.0	-1.2	3.7	49,654	50,368	50,556	50,524	-1.7
Furniture and related products.....	9,927	10,075	10,230	-1.5	-1.5	-1.0	9,873	10,084	10,114	10,400	-5.1

^p Preliminary

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

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

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

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

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2022. 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 October 2022/ 2021
	Oct. 2022 ^p	Sep. 2022 ^r	Aug. 2022	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2022 ^p	Sep. 2022 ^r	Aug. 2022	Oct. 2021	
All manufacturing industries.....	805,278	801,300	800,301	0.5	0.1	-0.1	806,306	799,558	803,059	751,086	7.4
Excluding transportation.....	648,413	644,204	642,901	0.7	0.2	-0.2	647,818	641,356	643,752	595,904	8.7
Excluding defense.....	778,714	774,904	773,650	0.5	0.2	-0.1	779,716	773,158	776,297	725,435	7.5
With unfilled orders.....	391,097	390,571	390,121	0.1	0.1	0.1	390,220	390,230	392,399	368,114	6.0
Durable goods industries.....	489,489	488,706	487,486	0.2	0.3	0.2	488,602	487,826	490,238	458,533	6.6
Wood products.....	14,662	14,742	14,744	-0.5	0.0	0.1	14,504	14,409	14,501	13,860	4.6
Nonmetallic mineral products.....	16,474	16,401	16,273	0.4	0.8	0.6	16,110	16,168	16,181	14,548	10.7
Primary metals.....	38,467	38,807	38,991	-0.9	-0.5	-0.2	38,117	38,453	38,890	36,130	5.5
Iron and steel mills.....	22,430	22,752	22,820	-1.4	-0.3	-0.5	22,309	22,572	22,730	21,667	3.0
Aluminum and nonferrous metals.....	13,285	13,351	13,469	-0.5	-0.9	0.2	13,107	13,273	13,495	11,972	9.5
Ferrous metal foundries.....	2,752	2,704	2,702	1.8	0.1	0.2	2,701	2,608	2,665	2,491	8.4
Fabricated metal products.....	62,399	62,587	62,752	-0.3	-0.3	0.2	61,683	62,289	62,805	58,417	5.6
Machinery.....	86,599	85,656	84,401	1.1	1.5	0.6	85,974	85,546	84,693	74,732	15.0
Farm machinery.....	6,080	6,035	5,975	0.7	1.0	1.8	5,693	5,712	5,735	4,358	30.6
Construction machinery.....	7,321	7,223	7,137	1.4	1.2	-0.3	7,302	7,205	7,087	6,027	21.2
Mining, oil field, and gas field machinery.....	6,426	6,295	6,178	2.1	1.9	0.0	6,490	6,308	6,233	5,943	9.2
Industrial machinery.....	11,143	10,964	10,732	1.6	2.2	0.8	10,835	11,322	10,970	9,153	18.4
Photographic equipment.....	1,396	1,395	1,389	0.1	0.4	0.6	1,415	1,374	1,424	1,358	4.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,104	7,937	7,782	2.1	2.0	1.7	7,959	7,671	7,651	6,349	25.4
Metalworking machinery.....	6,827	6,806	6,768	0.3	0.6	0.8	6,893	6,843	6,862	6,244	10.4
Turbines, generators, and other power transmission equipment.....	10,644	10,587	10,294	0.5	2.8	-0.5	10,630	10,591	10,331	9,493	12.0
Material handling equipment.....	7,087	6,983	6,895	1.5	1.3	1.7	7,232	7,108	7,014	6,288	15.0
Computers and electronic products ²	53,091	52,754	52,468	0.6	0.5	0.4	53,246	52,533	52,815	50,459	5.5
Computers.....	2,126	2,133	2,148	-0.3	-0.7	0.9	2,101	2,248	2,261	2,012	4.4
Computer storage devices.....	865	861	865	0.5	-0.5	0.5	878	848	911	902	-2.7
Other peripheral equipment.....	968	955	948	1.4	0.7	3.8	956	935	962	785	21.8
Nondefense communications equipment.....	4,764	4,774	4,737	-0.2	0.8	0.0	4,885	4,775	4,881	4,701	3.9
Defense communications equipment.....	655	653	654	0.3	-0.2	-0.5	655	653	654	664	-1.4
Audio and video equipment.....	1,124	1,136	1,155	-1.1	-1.6	1.2	1,096	1,169	1,127	905	21.1
Electronic components.....	10,198	10,025	9,876	1.7	1.5	-0.2	9,952	9,819	9,598	9,674	2.9
Nondefense search and navigation equipment.....	3,476	3,443	3,455	1.0	-0.3	1.6	3,545	3,462	3,510	3,232	9.7
Defense search and navigation equipment.....	2,829	2,835	2,827	-0.2	0.3	-0.4	2,807	2,770	2,849	2,853	-1.6
Electromedical, measuring and control instruments.....	18,064	18,025	17,953	0.2	0.4	0.5	18,170	18,006	18,213	16,976	7.0
Electrical equipment, appliances, and components.....	23,359	23,259	23,170	0.4	0.4	1.0	22,949	22,841	23,414	20,435	12.3
Electric lighting equipment.....	2,106	2,106	2,091	0.0	0.7	0.8	2,113	2,107	2,104	2,086	1.3
Household appliances.....	3,168	3,200	3,292	-1.0	-2.8	-3.9	3,199	3,183	3,428	2,911	9.9
Electrical equipment.....	8,054	7,953	7,809	1.3	1.8	2.1	7,747	7,549	7,881	6,624	17.0
Batteries.....	1,570	1,567	1,560	0.2	0.4	-0.6	1,553	1,616	1,625	1,548	0.3
Transportation equipment.....	156,865	157,096	157,400	-0.1	-0.2	-0.1	158,488	158,202	159,307	155,182	2.1
Automobiles.....	6,643	6,234	6,313	6.6	-1.3	0.1	6,962	6,436	6,681	6,901	0.9
Light trucks and utility vehicles.....	9,994	10,486	10,064	-4.7	4.2	2.9	10,371	10,744	10,517	9,126	13.6
Heavy duty trucks	2,948	2,909	2,853	1.3	2.0	-0.6	2,907	2,877	2,855	2,637	10.2
Motor vehicle bodies, parts, and trailers.....	32,310	32,282	32,466	0.1	-0.6	-0.2	32,045	32,220	32,465	30,723	4.3
Nondefense aircraft and parts.....	74,952	75,331	75,725	-0.5	-0.5	-0.4	76,019	75,946	76,515	77,259	-1.6
Defense aircraft and parts.....	12,776	12,764	12,873	0.1	-0.8	-1.6	12,781	12,747	12,897	12,675	0.8
Ships and boats.....	4,627	4,521	4,597	2.3	-1.7	2.3	4,680	4,614	4,670	3,921	19.4
Furniture and related products.....	10,087	10,024	9,987	0.6	0.4	0.7	9,828	9,914	10,049	8,662	13.5
Miscellaneous durable goods.....	27,486	27,380	27,300	0.4	0.3	0.4	27,703	27,471	27,583	26,108	6.1
Nondurable goods industries.....	315,789	312,594	312,815	1.0	-0.1	-0.7	317,704	311,732	312,821	292,553	8.6
Food products.....	63,855	63,571	63,064	0.4	0.8	0.5	67,015	64,098	62,807	62,964	6.4
Grain and oilseed milling.....	7,806	7,812	7,848	-0.1	-0.5	0.4	8,092	7,620	7,646	7,411	9.2
Dairy products.....	9,443	9,382	9,334	0.7	0.5	-0.4	9,257	9,344	9,418	8,272	11.9
Meat, poultry, and seafood products.....	11,107	11,101	11,034	0.1	0.6	1.0	11,326	11,224	11,200	10,521	7.7
Beverage and tobacco products.....	28,447	28,449	28,461	0.0	0.0	0.6	28,669	28,084	27,794	27,157	5.6
Beverages.....	24,811	24,792	24,814	0.1	-0.1	0.7	24,981	24,577	24,406	23,562	6.0
Tobacco.....	3,636	3,657	3,647	-0.6	0.3	-0.4	3,688	3,507	3,388	3,595	2.6
Textile mills.....	3,632	3,626	3,635	0.2	-0.2	-0.6	3,592	3,615	3,646	3,156	13.8
Textile products.....	4,326	4,333	4,330	-0.2	0.1	0.5	4,320	4,345	4,333	4,011	7.7
Apparel.....	2,394	2,395	2,381	0.0	0.6	2.5	2,470	2,468	2,503	1,972	25.3
Leather and allied products.....	1,263	1,221	1,186	3.4	3.0	3.1	1,237	1,213	1,209	841	47.1
Paper products.....	16,738	16,750	16,708	-0.1	0.3	0.3	16,495	16,772	16,867	15,544	6.1
Pulp, paper, and paperboard mills.....	5,035	5,070	5,001	-0.7	1.4	0.4	4,925	5,023	5,020	4,750	3.7
Paperboard containers.....	6,175	6,144	6,154	0.5	-0.2	0.3	6,121	6,183	6,238	5,645	8.4
Printing.....	6,459	6,503	6,503	-0.7	0.0	0.6	6,653	6,678	6,590	6,303	5.6
Petroleum and coal products.....	51,559	48,669	49,449	5.9	-1.6	-6.2	50,720	48,221	49,867	42,223	20.1
Petroleum refineries.....	44,613	41,855	42,969	6.6	-2.6	-6.1	43,985	41,472	43,365	36,609	20.1
Chemical products.....	105,106	105,028	104,937	0.1	0.1	0.3	104,710	104,224	105,010	98,913	5.9
Pesticides, fertilizers, and other agricultural chemicals.....	6,850	6,878	6,822	-0.4	0.8	0.6	6,574	6,599	6,592	5,499	19.5
Pharmaceuticals and medicines.....	43,144	43,003	43,047	0.3	-0.1	-0.1	43,291	42,644	42,834	43,312	0.0
Paints, coatings, and adhesives.....	5,311	5,246	5,167	1.2	1.5	1.8	5,156	5,141	5,111	4,081	26.3
Plastics and rubber products.....	32,010	32,049	32,161	-0.1	-0.3	0.3	31,823	32,014	32,195	29,469	8.0

^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 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/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2022. 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
	Oct. 2022 ^p	Sep. 2022 ^r	Aug. 2022	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2022 ^p	Sep. 2022 ^r	Aug. 2022	Oct. 2021	2022 ^p	2021	
SHIPMENTS													
All manufacturing industries.....	554,785	550,844	549,197	0.7	0.3	0.7	559,641	567,627	570,039	506,744	5,415,219	4,796,153	12.9
Construction materials and supplies.....	61,419	61,329	61,503	0.1	-0.3	0.1	63,656	64,113	67,523	60,390	623,239	567,710	9.8
Information technology.....	25,301	25,028	25,169	1.1	-0.6	0.8	24,842	27,819	25,044	22,597	243,672	225,993	7.8
Computers and related products.....	2,269	2,170	2,167	4.6	0.1	0.1	2,271	2,470	2,126	1,679	19,618	17,078	14.9
Motor vehicle and parts.....	61,897	61,757	60,263	0.2	2.5	1.0	63,551	65,138	65,299	55,083	591,861	516,098	14.7
Capital goods.....	98,376	97,199	97,643	1.2	-0.5	2.8	95,797	105,079	96,155	85,595	935,029	840,968	11.2
Nondefense capital goods ³	84,069	82,827	83,134	1.5	-0.4	3.1	81,807	89,440	82,126	72,225	797,495	711,485	12.1
Excluding aircraft.....	75,197	74,080	74,121	1.5	-0.1	0.2	74,446	78,745	74,924	67,151	727,973	652,749	11.5
Defense capital goods ⁴	14,307	14,372	14,509	-0.5	-0.9	1.4	13,990	15,639	14,029	13,370	137,534	129,483	6.2
Consumer goods.....	241,580	238,616	235,803	1.2	1.2	0.2	245,487	241,178	244,487	212,116	2,317,330	1,972,030	17.5
Consumer durable goods.....	46,583	46,619	45,259	-0.1	3.0	1.1	47,582	49,604	48,235	41,693	441,901	393,234	12.4
Consumer nondurable goods.....	194,997	191,997	190,544	1.6	0.8	0.0	197,905	191,574	196,252	170,423	1,875,429	1,578,796	18.8
NEW ORDERS													
All manufacturing industries ⁵	556,645	550,895	549,508	1.0	0.3	0.2	555,957	566,852	564,326	500,376	5,424,886	4,809,634	12.8
Construction materials and supplies.....	61,632	61,568	61,803	0.1	-0.4	0.4	62,462	63,471	66,927	59,870	626,713	588,142	6.6
Information technology.....	25,281	25,070	25,465	0.8	-1.6	0.3	24,563	28,754	24,320	23,351	245,115	233,174	5.1
Computers and related products.....	2,270	2,158	2,159	5.2	0.0	-0.7	2,272	2,458	2,118	1,648	19,598	16,990	15.4
Motor vehicle and parts.....	61,866	61,324	60,033	0.9	2.2	0.7	62,790	64,680	65,223	54,835	590,619	518,790	13.8
Capital goods.....	105,077	102,993	102,525	2.0	0.5	0.3	100,610	111,392	97,526	86,620	988,364	873,838	13.1
Nondefense capital goods ³	90,969	89,346	86,162	1.8	3.7	-1.1	88,498	93,766	82,846	75,380	853,763	744,948	14.6
Excluding aircraft.....	75,275	74,819	75,379	0.6	-0.7	0.9	74,324	78,907	74,625	69,852	737,177	675,130	9.2
Defense capital goods ⁴	14,108	13,647	16,363	3.4	-16.6	8.4	12,112	17,626	14,680	11,240	134,601	128,890	4.4
Consumer goods.....	241,585	238,599	235,720	1.3	1.2	0.2	245,513	241,442	244,355	211,773	2,316,691	1,974,210	17.3
Consumer durable goods.....	46,588	46,602	45,176	0.0	3.2	1.1	47,608	49,868	48,103	41,350	441,262	395,414	11.6
Consumer nondurable goods.....	194,997	191,997	190,544	1.6	0.8	0.0	197,905	191,574	196,252	170,423	1,875,429	1,578,796	18.8
UNFILLED ORDERS													
All manufacturing industries ⁵	1,143,979	1,137,101	1,131,950	0.6	0.5	0.5	1,133,568	1,131,417	1,126,341	1,057,901	(X)	(X)	7.2
Construction materials and supplies.....	89,686	89,473	89,234	0.2	0.3	0.3	88,335	89,529	90,171	84,510	(X)	(X)	4.5
Information technology.....	143,521	143,541	143,499	0.0	0.0	0.2	142,854	143,133	142,198	138,442	(X)	(X)	3.2
Computers and related products.....	1,199	1,198	1,210	0.1	-1.0	-0.7	1,199	1,198	1,210	1,289	(X)	(X)	-7.0
Motor vehicle and parts.....	27,742	27,773	28,206	-0.1	-1.5	-0.8	26,505	27,266	27,724	26,393	(X)	(X)	0.4
Capital goods.....	839,121	832,420	826,626	0.8	0.7	0.6	833,506	828,693	822,380	768,614	(X)	(X)	8.4
Nondefense capital goods ³	652,181	645,281	638,762	1.1	1.0	0.5	647,896	641,205	636,879	580,302	(X)	(X)	11.6
Excluding aircraft.....	267,596	267,518	266,779	0.0	0.3	0.5	265,498	265,620	265,458	253,232	(X)	(X)	4.8
Defense capital goods ⁴	186,940	187,139	187,864	-0.1	-0.4	1.0	185,610	187,488	185,501	188,312	(X)	(X)	-1.4
Consumer goods.....	10,757	10,752	10,769	0.0	-0.2	-0.8	10,856	10,830	10,566	11,750	(X)	(X)	-7.6
Consumer durable goods.....	10,757	10,752	10,769	0.0	-0.2	-0.8	10,856	10,830	10,566	11,750	(X)	(X)	-7.6
TOTAL INVENTORIES													
All manufacturing industries.....	805,278	801,300	800,301	0.5	0.1	-0.1	806,306	799,558	803,059	751,086	(X)	(X)	7.4
Construction materials and supplies.....	87,137	87,078	86,736	0.1	0.4	0.5	85,832	86,119	86,192	79,689	(X)	(X)	7.7
Information technology.....	44,842	44,755	44,660	0.2	0.2	0.9	44,958	44,732	45,278	41,755	(X)	(X)	7.7
Computers and related products.....	3,959	3,949	3,961	0.3	-0.3	1.5	3,935	4,031	4,134	3,699	(X)	(X)	6.4
Motor vehicle and parts.....	51,895	51,911	51,696	0.0	0.4	0.4	52,285	52,277	52,518	49,387	(X)	(X)	5.9
Capital goods.....	238,163	237,277	236,338	0.4	0.4	0.3	238,524	237,623	238,474	223,461	(X)	(X)	6.7
Nondefense capital goods ³	215,604	214,869	213,660	0.3	0.6	0.4	215,944	215,194	215,709	201,707	(X)	(X)	7.1
Excluding aircraft.....	151,315	150,196	148,613	0.7	1.1	0.7	150,555	149,853	149,889	134,978	(X)	(X)	11.5
Defense capital goods ⁴	22,559	22,408	22,678	0.7	-1.2	-0.7	22,580	22,429	22,765	21,754	(X)	(X)	3.8
Consumer goods.....	246,187	242,974	243,037	1.3	0.0	-1.0	249,686	243,047	243,749	230,536	(X)	(X)	8.3
Consumer durable goods.....	43,781	43,809	43,557	-0.1	0.6	0.5	44,500	44,322	44,730	40,575	(X)	(X)	9.7
Consumer nondurable goods.....	202,406	199,165	199,480	1.6	-0.2	-1.4	205,186	198,725	199,019	189,961	(X)	(X)	8.0

^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/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2022. 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
	Oct. 2022 ^p	Sep. 2022 ^r	Aug. 2022	Sep. - Oct.	Aug. - Sep.	July - Aug.	Oct. 2022 ^p	Sep. 2022 ^r	Aug. 2022	Oct. 2021	October 2022/ 2021
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries.....	297,397	296,095	294,673	0.4	0.5	0.1	296,513	295,613	294,978	269,991	9.8
Durable goods industries.....	181,759	180,955	180,464	0.4	0.3	0.0	181,209	181,149	181,323	165,044	9.8
Wood products.....	6,453	6,505	6,540	-0.8	-0.5	-1.3	6,481	6,478	6,492	6,076	6.7
Nonmetallic mineral products.....	7,308	7,308	7,259	0.0	0.7	2.9	7,246	7,277	7,273	6,224	16.4
Primary metals.....	14,198	14,182	14,305	0.1	-0.9	-1.7	14,271	14,151	14,275	13,206	8.1
Fabricated metal products.....	25,139	25,328	25,556	-0.7	-0.9	-0.1	24,896	25,505	25,672	23,623	5.4
Machinery.....	37,715	37,115	36,473	1.6	1.8	0.0	37,560	37,144	36,698	32,446	15.8
Computers and electronic products.....	25,398	25,405	25,294	0.0	0.4	1.3	25,468	25,445	25,501	22,716	12.1
Electrical equipment, appliances, and components.....	11,027	10,998	11,019	0.3	-0.2	1.5	10,814	10,818	11,124	9,249	16.9
Transportation equipment.....	40,739	40,420	40,311	0.8	0.3	-0.8	40,806	40,678	40,421	38,770	5.3
Furniture and related products.....	4,806	4,807	4,876	0.0	-1.4	0.5	4,657	4,721	4,888	4,099	13.6
Miscellaneous products.....	8,976	8,887	8,831	1.0	0.6	0.2	9,010	8,932	8,979	8,635	4.3
Nondurable goods industries.....	115,638	115,140	114,209	0.4	0.8	0.3	115,304	114,464	113,655	104,947	9.9
Food products.....	24,559	24,507	24,065	0.2	1.8	-0.1	25,226	24,414	23,610	23,848	5.8
Beverage and tobacco products.....	5,832	5,853	5,718	-0.4	2.4	1.7	5,896	5,734	5,418	6,101	-3.4
Textiles.....	1,445	1,433	1,431	0.8	0.1	-0.9	1,421	1,426	1,437	1,278	11.2
Textile products.....	1,568	1,577	1,583	-0.6	-0.4	-2.3	1,561	1,582	1,583	1,415	10.3
Apparel.....	731	735	739	-0.5	-0.5	0.3	741	745	766	660	12.3
Leather and allied products.....	397	385	376	3.1	2.4	0.8	388	384	384	301	28.9
Paper products.....	8,841	8,853	8,873	-0.1	-0.2	0.9	8,740	8,896	8,953	8,063	8.4
Printing	3,444	3,443	3,369	0.0	2.2	0.3	3,500	3,525	3,416	3,179	10.1
Petroleum and coal products.....	17,995	17,505	17,664	2.8	-0.9	0.1	17,465	17,178	17,554	14,101	23.9
Chemical products.....	36,728	36,647	36,467	0.2	0.5	0.2	36,411	36,283	36,463	33,049	10.2
Plastics and rubber products.....	14,098	14,202	13,924	-0.7	2.0	0.6	13,955	14,297	14,071	12,952	7.7
<u>WORK IN PROCESS</u>											
All manufacturing industries.....	224,688	224,408	224,917	0.1	-0.2	-0.5	226,533	224,165	226,201	217,526	4.1
Durable goods industries.....	171,865	172,380	172,469	-0.3	-0.1	0.2	172,402	172,816	173,967	167,880	2.7
Wood products.....	2,116	2,088	2,053	1.3	1.7	-1.8	2,078	2,031	2,038	1,941	7.1
Nonmetallic mineral products.....	1,502	1,493	1,484	0.6	0.6	0.0	1,442	1,458	1,475	1,451	-0.6
Primary metals.....	12,549	12,782	12,667	-1.8	0.9	2.2	12,539	12,793	12,947	12,271	2.2
Fabricated metal products.....	14,901	14,834	14,918	0.5	-0.6	0.4	14,851	14,769	14,973	13,965	6.3
Machinery.....	23,700	23,805	23,514	-0.4	1.2	1.4	23,444	24,027	23,776	19,905	17.8
Computers and electronic products.....	13,379	13,255	13,219	0.9	0.3	0.8	13,218	12,936	12,935	13,928	-5.1
Electrical equipment, appliances, and components.....	4,303	4,270	4,223	0.8	1.1	0.3	4,249	4,182	4,274	3,946	7.7
Transportation equipment.....	93,354	93,823	94,412	-0.5	-0.6	-0.4	94,473	94,528	95,485	94,887	-0.4
Furniture and related products.....	1,423	1,383	1,347	2.9	2.7	0.0	1,405	1,387	1,348	1,329	5.7
Miscellaneous products.....	4,638	4,647	4,632	-0.2	0.3	0.9	4,703	4,705	4,716	4,257	10.5
Nondurable goods industries.....	52,823	52,028	52,448	1.5	-0.8	-3.0	54,131	51,349	52,234	49,646	9.0
Food products.....	5,975	5,838	6,086	2.3	-4.1	3.5	6,853	5,440	5,624	6,443	6.4
Beverage and tobacco products.....	8,816	8,835	9,003	-0.2	-1.9	0.1	9,055	8,778	8,666	8,913	1.6
Textiles.....	609	616	622	-1.1	-1.0	0.0	608	619	625	590	3.1
Textile products.....	454	464	470	-2.2	-1.3	1.3	453	473	473	417	8.6
Apparel.....	287	284	283	1.1	0.4	0.7	292	290	293	280	4.3
Leather and allied products.....	120	118	118	1.7	0.0	-4.1	117	116	121	117	0.0
Paper products.....	1,429	1,427	1,407	0.1	1.4	-2.2	1,410	1,416	1,439	1,359	3.8
Printing	1,186	1,198	1,260	-1.0	-4.9	0.2	1,260	1,258	1,288	1,310	-3.8
Petroleum and coal products.....	14,600	13,898	13,218	5.1	5.1	-11.4	14,698	13,810	13,554	10,758	36.6
Chemical products.....	15,882	15,945	16,386	-0.4	-2.7	-0.8	15,895	15,716	16,536	15,946	-0.3
Plastics and rubber products.....	3,465	3,405	3,595	1.8	-5.3	1.2	3,490	3,433	3,615	3,513	-0.7
<u>FINISHED GOODS</u>											
All manufacturing industries.....	283,193	280,797	280,711	0.9	0.0	-0.1	283,260	279,780	281,880	263,569	7.5
Durable goods industries.....	135,865	135,371	134,553	0.4	0.6	0.5	134,991	133,861	134,948	125,609	7.5
Wood products.....	6,093	6,149	6,151	-0.9	0.0	2.3	5,945	5,900	5,971	5,843	1.7
Nonmetallic mineral products.....	7,664	7,600	7,530	0.8	0.9	-1.3	7,422	7,433	7,433	6,873	8.0
Primary metals.....	11,720	11,843	12,019	-1.0	-1.5	-1.0	11,307	11,509	11,668	10,653	6.1
Fabricated metal products.....	22,359	22,425	22,278	-0.3	0.7	0.5	21,936	22,015	22,160	20,829	5.3
Machinery.....	25,184	24,736	24,414	1.8	1.3	0.7	24,970	24,375	24,219	22,381	11.6
Computers and electronic products.....	14,314	14,094	13,955	1.6	1.0	-1.7	14,560	14,152	14,379	13,815	5.4
Electrical equipment, appliances, and components.....	8,029	7,991	7,928	0.5	0.8	0.6	7,886	7,841	8,016	7,240	8.9
Transportation equipment.....	22,772	22,853	22,677	-0.4	0.8	2.8	23,209	22,996	23,401	21,525	7.8
Furniture and related products.....	3,858	3,834	3,764	0.6	1.9	1.2	3,766	3,806	3,813	3,234	16.5
Miscellaneous products.....	13,872	13,846	13,837	0.2	0.1	0.4	13,990	13,834	13,888	13,216	5.9
Nondurable goods industries.....	147,328	145,426	146,158	1.3	-0.5	-0.6	148,269	145,919	146,932	137,960	7.5
Food products.....	33,321	33,226	32,913	0.3	1.0	0.3	34,936	34,244	33,573	32,673	6.9
Beverage and tobacco products.....	13,799	13,761	13,740	0.3	0.2	0.4	13,718	13,572	13,710	12,143	13.0
Textiles.....	1,578	1,577	1,582	0.1	-0.3	-0.5	1,563	1,570	1,584	1,288	21.4
Textile products.....	2,304	2,292	2,277	0.5	0.7	2.3	2,306	2,290	2,277	2,179	5.8
Apparel.....	1,376	1,376	1,359	0.0	1.3	4.1	1,437	1,433	1,444	1,032	39.2
Leather and allied products.....	746	718	692	3.9	3.8	5.8	732	713	704	423	73.0
Paper products.....	6,468	6,470	6,428	0.0	0.7	0.0	6,345	6,460	6,475	6,122	3.6
Printing	1,829	1,862	1,874	-1.8	-0.6	1.5	1,893	1,895	1,886	1,814	4.4
Petroleum and coal products.....	18,964	17,266	18,567	9.8	-7.0	-7.8	18,557	17,233	18,759	17,364	6.9
Chemical products.....	52,496	52,436	52,084	0.1	0.7	0.7	52,404	52,225	52,011	49,918	5.0
Plastics and rubber products.....	14,447	14,442	14,642	0.0	-1.4	-0.2	14,378	14,284	14,509	13,004	10.6

^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.

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/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2022. 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			
	Oct 2022 ⁹	Sep 2022 ⁷	Aug 2022	Jul 2022	Oct 2022 ⁹	Sep 2022 ⁷	Aug 2022	Jul 2022
All manufacturing industries ³	1.45	1.45	1.46	1.47	(X)	(X)	(X)	(X)
Durable goods industries ³	1.78	1.78	1.78	1.80	6.03	6.03	5.98	6.05
Wood products.....	1.15	1.15	1.15	1.15	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.30	1.31	1.30	1.29	(X)	(X)	(X)	(X)
Primary metals.....	1.89	1.91	1.88	1.89	1.50	1.51	1.48	1.49
Fabricated metal products.....	1.70	1.71	1.70	1.69	3.29	3.29	3.28	3.26
Machinery.....	2.23	2.24	2.21	2.21	3.75	3.82	3.83	3.84
Computers and electronic products ³	1.80	1.80	1.80	1.79	6.24	6.28	6.27	6.25
Electrical equipment, appliances, and components.....	1.73	1.73	1.72	1.74	3.21	3.19	3.18	3.22
Transportation equipment.....	1.72	1.73	1.76	1.82	11.88	11.82	11.66	12.16
Furniture and related products.....	1.61	1.61	1.61	1.60	1.79	1.82	1.86	1.89
Miscellaneous products.....	1.95	1.96	1.94	1.94	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.13	1.13	1.13	1.14	(X)	(X)	(X)	(X)
Food products.....	0.84	0.84	0.83	0.82	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.69	1.68	1.68	1.72	(X)	(X)	(X)	(X)
Textiles.....	1.57	1.56	1.55	1.57	(X)	(X)	(X)	(X)
Textile products.....	2.21	2.17	2.18	2.18	(X)	(X)	(X)	(X)
Apparel.....	3.17	3.25	3.32	3.21	(X)	(X)	(X)	(X)
Leather and allied products.....	2.68	2.64	2.67	2.73	(X)	(X)	(X)	(X)
Paper products.....	1.03	1.03	1.03	1.03	(X)	(X)	(X)	(X)
Printing.....	0.91	0.93	0.94	0.93	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.75	0.74	0.76	0.80	(X)	(X)	(X)	(X)
Chemical products.....	1.58	1.58	1.57	1.58	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.44	1.44	1.43	1.43	(X)	(X)	(X)	(X)

^x Not Applicable
⁹ Preliminary
⁷ 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/>>.
Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2022. 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	
	Oct ² 2022	Oct ³ 2021- Sep 2022	Oct ² 2022	Oct ³ 2021- Sep 2022	Oct ² 2022	Oct ³ 2021- Sep 2022	Oct ² 2022	Oct ³ 2021- Sep 2022
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
Durable goods industries.....	0.0	0.2	0.1	0.5	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Nonmetallic mineral products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.2	0.4	0.2	0.6	0.1	0.3	-0.1	0.1
Fabricated metal products.....	0.1	0.2	0.1	0.4	0.0	0.1	-0.2	0.1
Machinery.....	0.1	0.3	0.0	0.4	0.0	0.1	0.0	0.2
Computers and electronic products.....	0.0	0.2	0.1	0.4	0.0	0.1	0.0	0.1
Electrical equipment, appliances, and components.....	0.2	0.4	0.1	0.7	0.0	0.2	-0.3	0.3
Transportation equipment.....	0.1	0.4	0.1	1.5	0.0	0.1	0.1	0.1
Furniture and related products.....	(X)	0.4	(X)	0.6	(X)	0.4	(X)	0.3
Miscellaneous products.....	(X)	0.4	(X)	0.4	(X)	0.4	(X)	0.1
Nondurable goods industries.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Beverage and tobacco products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.8
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.8
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Printing.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.6
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/>>.
Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, October Full Report, December 5, 2022. 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>.