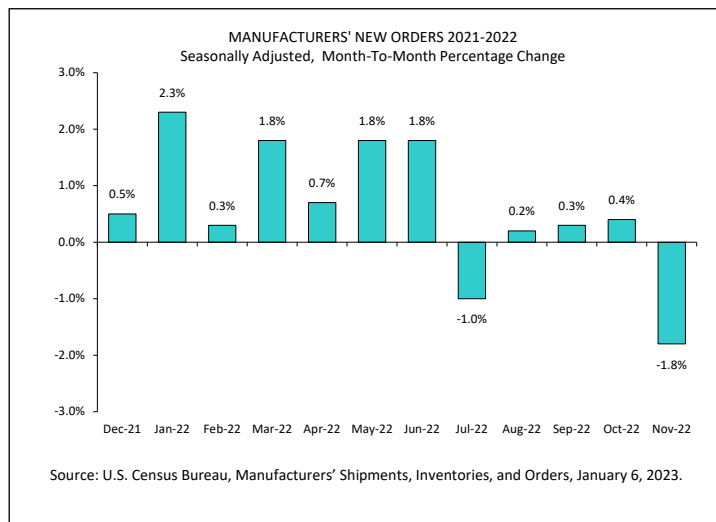


MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS NOVEMBER 2022

Release Number: CB 23-01 M3-2 (22)-11

January 6, 2023 — The U.S. Census Bureau announces the November full report on manufacturers' shipments, inventories and orders:

 MANUFACTURED GOODS – NEW ORDERS		
NOVEMBER 2022	\$543.3 billion	-1.8%°
OCTOBER 2022 (revised)	\$553.1 billion	+0.4%°
Next release: February 2, 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, January 6, 2023.</small>		



Summary

New orders for manufactured goods in November, down following three consecutive monthly increases, decreased \$9.8 billion or 1.8 percent to \$543.3 billion, the U.S. Census Bureau reported today. This followed a 0.4 percent October increase. Shipments, also down following three consecutive monthly increases, decreased \$3.4 billion or 0.6 percent to \$548.6 billion. This followed a 0.2 percent October increase. Unfilled orders, down following twenty-six consecutive monthly increases, decreased \$0.2 billion or virtually unchanged to \$1,143.1 billion. This followed a 0.5 percent October increase. The unfilled orders-to-shipments ratio was 6.02, down from 6.03 in October. Inventories, up three consecutive months, increased \$0.1 billion or virtually unchanged to \$804.7 billion. This followed a 0.4 percent October increase. The inventories-to-shipments ratio was 1.47, up from 1.46 in October.

New Orders

New orders for manufactured durable goods in November, down following three consecutive monthly increases, decreased \$5.9 billion or 2.1 percent to \$270.5 billion, unchanged from the previously published decrease. This followed a 0.7 percent October increase. Transportation equipment, also down following

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three consecutive monthly increases, drove the decrease, \$6.1 billion or 6.3 percent to \$91.3 billion. New orders for manufactured nondurable goods decreased \$3.9 billion or 1.4 percent to \$272.8 billion.

Shipments

Shipments of manufactured durable goods in November, up eighteen of the last nineteen months, increased \$0.5 billion or 0.2 percent to \$275.8 billion, unchanged from the previously published increase. This followed a 0.3 percent October increase. Transportation equipment, up thirteen of the last fourteen months, drove the increase, \$0.7 billion or 0.8 percent to \$91.8 billion. Shipments of manufactured nondurable goods, down following three consecutive monthly increases, decreased \$3.9 billion or 1.4 percent to \$272.8 billion. This followed a 0.1 percent October increase. Petroleum and coal products, down following two consecutive monthly increases, led the decrease, \$3.7 billion or 5.5 percent to \$63.2 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in November, down following twenty-six consecutive monthly increases, decreased \$0.2 billion or virtually unchanged to \$1,143.1 billion, unchanged from the previously published decrease. This followed a 0.5 percent October increase. Transportation equipment, down following eighteen consecutive monthly increases, drove the decrease, \$0.5 billion or 0.1 percent to \$670.0 billion.

Inventories

Inventories of manufactured durable goods in November, up twenty-two consecutive months, increased \$0.3 billion or 0.1 percent to \$489.6 billion, unchanged from the previously published increase. This followed a 0.1 percent October increase. Machinery, up twenty-five consecutive months, drove the increase, \$0.4 billion or 0.4 percent to \$87.0 billion. Inventories of manufactured nondurable goods, down four of the last five months, decreased \$0.2 billion or 0.1 percent to \$315.0 billion. This followed a 0.9 percent October increase. Chemical products, down two consecutive months, drove the decrease, \$0.5 billion or 0.4 percent to \$104.4 billion. By stage of fabrication, November materials and supplies were virtually unchanged in durable goods and decreased 0.8 percent in nondurable goods. Work in process increased 0.3 percent in durable goods and 1.3 percent in nondurable goods. Finished goods decreased 0.2 percent in durable goods and were virtually unchanged in nondurable goods.

The Advance Report on durable goods for December is scheduled for release on January 26, 2023, at 8:30 a.m. EST and the Full Report on February 2, 2023, at 10:00 a.m. EST. View the full schedule in the

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Economic Briefing Room: <www.census.gov/economic-indicators/>. The full text and tables of this release can be found at <www.census.gov/m3>.

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

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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.

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		
	Nov. 2022 ^P	Oct. 2022 ^r	Sep. 2022	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2022 ^P	Oct. 2022 ^r	Sep. 2022	Nov. 2021	2022 ^P	2021	% Change 2022/ 2021
All manufacturing industries.....	548,632	552,057	550,844	-0.6	0.2	0.3	535,505	559,121	567,627	494,475	5,950,204	5,290,628	12.5
Excluding transportation.....	456,830	460,963	460,249	-0.9	0.2	0.1	443,548	468,264	470,051	416,981	5,003,875	4,465,499	12.1
Excluding defense.....	532,115	535,587	534,383	-0.6	0.2	0.3	517,864	542,872	549,636	478,155	5,774,176	5,125,282	12.7
With unfilled orders.....	190,015	189,542	188,553	0.2	0.5	-0.4	183,772	188,294	199,708	169,169	2,037,070	1,832,361	11.2
Durable goods industries.....	275,809	275,285	274,348	0.2	0.3	0.3	268,205	276,871	290,707	245,630	2,955,928	2,664,311	10.9
Wood products.....	12,790	12,703	12,811	0.7	-0.8	0.0	11,819	13,086	13,333	11,741	143,284	136,348	5.1
Nonmetallic mineral products.....	12,459	12,557	12,564	-0.8	-0.1	0.5	12,094	13,301	13,416	11,782	138,883	129,170	7.5
Primary metals.....	19,983	20,251	20,329	-1.3	-0.4	-2.0	18,639	19,988	20,550	18,631	228,156	206,462	10.5
Iron and steel mills.....	11,783	11,980	12,098	-1.6	-1.0	-1.4	10,978	11,865	12,341	10,767	133,151	116,261	14.5
Aluminum and nonferrous metals.....	6,713	6,763	6,727	-0.7	0.5	-3.9	6,292	6,628	6,705	6,531	78,531	75,452	4.1
Ferrous metal foundries.....	1,487	1,508	1,504	-1.4	0.3	1.3	1,369	1,495	1,504	1,333	16,474	14,749	11.7
Fabricated metal products.....	36,426	36,544	36,691	-0.3	-0.4	-0.4	34,919	37,540	37,943	33,949	405,275	366,094	10.7
Machinery.....	38,768	38,825	38,282	-0.1	1.4	0.3	35,592	38,376	39,554	32,856	413,170	366,363	12.8
Farm machinery.....	2,422	2,403	2,510	0.8	-4.3	-8.2	1,829	2,331	2,385	2,160	28,942	28,528	1.5
Construction machinery.....	4,015	3,966	3,861	1.2	2.7	4.4	3,585	3,973	3,855	2,716	39,987	31,598	26.5
Mining, oil field, and gas field machinery.....	1,494	1,577	1,528	-5.3	3.2	-0.8	1,481	1,609	1,565	1,333	15,997	13,926	14.9
Industrial machinery.....	6,108	6,321	6,210	-3.4	1.8	0.1	5,464	6,422	7,120	5,366	67,438	51,481	31.0
Photographic equipment.....	512	522	503	-1.9	3.8	-3.3	522	469	571	548	5,646	5,688	-0.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,831	4,756	4,753	1.6	0.1	-0.2	4,222	4,456	5,047	3,808	51,397	45,618	12.7
Metalworking machinery.....	2,767	2,624	2,559	5.4	2.5	-1.0	2,720	2,672	2,672	2,522	28,568	28,018	2.0
Turbines, generators, and other power transmission equipment.....	3,417	3,511	3,439	-2.7	2.1	3.6	3,427	3,604	3,347	3,165	36,339	35,406	2.6
Material handling equipment.....	3,631	3,595	3,456	1.0	4.0	0.6	3,467	3,542	3,434	2,850	37,886	30,686	23.5
Computers and electronic products ²	29,646	29,552	29,380	0.3	0.6	0.6	29,832	29,715	32,882	27,575	314,381	294,585	6.7
Computers.....	738	732	735	0.8	-0.4	-2.4	698	761	824	712	8,019	7,982	0.5
Computer storage devices.....	656	664	657	-1.2	1.1	-1.4	621	628	663	576	6,872	6,055	13.5
Other peripheral equipment.....	909	874	778	4.0	12.3	4.0	859	882	983	404	6,905	4,733	45.9
Nondefense communications equipment.....	3,019	3,053	3,029	-1.1	0.8	-1.2	2,695	2,711	3,774	2,686	32,298	29,583	9.2
Defense communications equipment....	215	214	211	0.5	1.4	-0.9	238	213	248	220	2,329	2,191	6.3
Audio and video equipment.....	375	357	371	5.0	-3.8	-2.1	539	447	371	534	4,174	3,478	20.0
Electronic components.....	4,682	4,602	4,588	1.7	0.3	0.1	4,527	4,458	4,766	4,108	49,919	44,003	13.4
Nondefense search and navigation equipment.....	1,674	1,666	1,641	0.5	1.5	-0.8	1,683	1,616	1,805	1,633	17,933	17,596	1.9
Defense search and navigation equipment.....	3,273	3,277	3,268	-0.1	0.3	1.0	3,475	3,318	3,489	3,377	35,207	34,820	1.1
Electromedical, measuring, and control instruments.....	8,878	8,965	8,920	-1.0	0.5	-0.1	8,603	8,753	10,021	8,077	94,719	90,250	5.0
Electrical equipment, appliances, and components.....	13,650	13,478	13,465	1.3	0.1	0.1	13,150	13,494	14,509	12,156	146,080	132,216	10.5
Electric lighting equipment.....	1,059	1,046	1,048	1.2	-0.2	0.3	1,039	1,082	1,097	1,002	11,418	11,125	2.6
Household appliances.....	2,678	2,752	2,755	-2.7	-0.1	0.2	2,643	2,729	3,058	2,662	29,335	27,661	6.1
Electrical equipment.....	4,014	3,839	3,873	4.6	-0.9	2.5	3,699	3,618	4,332	3,325	41,410	38,415	7.8
Batteries.....	1,075	996	956	7.9	4.2	0.0	1,214	1,119	1,039	934	10,676	9,207	16.0
Transportation equipment.....	91,802	91,094	90,595	0.8	0.6	1.2	91,957	90,857	97,576	77,494	946,329	825,129	14.7
Automobiles.....	7,664	7,850	8,037	-2.4	-2.3	2.7	7,971	8,124	8,323	6,729	83,372	73,580	13.3
Light trucks and utility vehicles.....	23,926	23,970	23,777	-0.2	0.8	4.8	23,825	24,549	25,920	19,788	245,678	207,713	18.3
Heavy duty trucks	2,678	2,669	2,607	0.3	2.4	4.8	2,604	2,783	2,792	2,034	26,690	21,500	24.1
Motor vehicle bodies, parts, and trailers.....	27,422	27,332	27,336	0.3	0.0	0.3	26,574	27,986	28,103	24,673	296,986	266,529	11.4
Nondefense aircraft and parts.....	13,854	13,133	12,849	5.5	2.2	-2.2	13,951	11,533	15,058	9,225	122,203	100,055	22.1
Defense aircraft and parts.....	5,384	5,384	5,401	0.0	-0.3	-1.9	5,792	5,383	6,041	5,742	58,587	58,147	0.8
Ships and boats.....	3,559	3,572	3,364	-0.4	6.2	-4.7	3,636	3,568	3,420	3,532	38,582	38,676	-0.2
Furniture and related products.....	6,237	6,257	6,245	-0.3	0.2	0.7	6,159	6,347	6,272	5,684	67,987	63,707	6.7
Miscellaneous durable goods.....	14,048	14,024	13,986	0.2	0.3	-0.9	14,044	14,167	14,672	13,762	152,383	144,237	5.6
Nondurable goods industries.....	272,823	276,772	276,496	-1.4	0.1	0.3	267,300	282,250	276,920	248,845	2,994,276	2,626,317	14.0
Food products.....	75,960	75,961	75,849	0.0	0.1	-0.4	77,574	78,743	77,433	75,228	831,918	794,103	4.8
Grain and oilseed milling.....	9,186	9,296	9,280	-1.2	0.2	1.8	9,289	9,513	9,191	8,616	100,143	89,725	11.6
Dairy products.....	11,913	11,876	11,874	0.3	0.0	-0.5	12,273	12,141	11,869	11,384	130,122	121,253	7.3
Meat, poultry, and seafood products...	22,674	22,774	22,809	-0.4	-0.2	0.0	22,592	23,015	23,115	22,418	251,046	239,484	4.8
Beverage and tobacco products.....	16,838	16,753	16,917	0.5	-1.0	0.0	16,726	16,902	17,312	14,448	177,806	153,894	15.5
Beverages.....	10,247	10,281	10,116	-0.3	1.6	0.8	10,135	10,430	10,511	9,705	109,925	103,878	5.8
Tobacco.....	6,591	6,472	6,801	1.8	-4.8	-1.3	6,591	6,472	6,801	4,743	67,881	50,016	35.7
Textile mills.....	2,246	2,282	2,320	-1.6	-1.6	-0.9	2,115	2,340	2,343	2,193	25,584	24,912	2.7
Textile products.....	1,919	1,943	1,999	-1.2	-2.8	0.8	1,826	1,978	2,000	1,845	21,949	21,141	3.8
Apparel.....	774	757	737	2.2	2.7	2.6	882	856	771	822	8,111	7,826	3.6
Leather and allied products.....	484	475	462	1.9	2.8	4.1	455	472	471	362	4,866	4,313	12.8
Paper products.....	16,271	16,211	16,213	0.4	0.0	0.0	15,795	16,436	16,514	15,649	179,663	173,765	3.4
Pulp, paper, and paperboard mills.....	6,005	5,862	5,796	2.4	1.1	-0.4	5,853	5,925	5,933	5,625	65,004	62,552	3.9
Paperboard containers.....	5,914	5,989	6,003	-1.3	-0.2	-0.1	5,718	6,104	6,197	5,774	66,436	64,838	2.5
Printing.....	7,026	7,042	7,030	-0.2	0.2	1.3	7,161	7,488	7,288	6,545	75,423	68,431	10.2
Petroleum and coal products.....	63,195	66,900	66,196	-5.5	1.1	2.1	58,664	69,192	63,377	47,294	697,237	468,903	48.7
Petroleum refineries.....	57,685	61,431	60,817	-6.1	1.0	2.1	53,441	63,290	57,484	42,690	639,264	417,810	53.0
Chemical products.....	65,870	66,255	66,547	-0.6	-0.4	-0.2	64,914	65,300	66,673	63,561	725,456	680,775	6.6
Pesticides, fertilizers, and other agricultural chemicals.....	3,420	3,528	3,366	-3.1	4.8	6.0	3,028	2,913	2,896	2,760	35,658	31,763	12.3
Pharmaceuticals and medicines.....	22,613	22,521	22,475	0.4	0.2	1.6	23,391	22,537	23,279	20,857	238,605	217,223	9.8
Paints, coatings, and adhesives.....	3,794	3,822	3,786	-0.7	1.0	-1.1	3,446	3,764	3,799	3,418	42,151	39,900	5.6
Plastics and rubber products.....	22,240	22,193	22,226	0.2	-0.1	-0.9	21,188	22,543	22,738	20,898	246,263	228,254	7.9

^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, November Full Report, January 6, 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		
	Nov. 2022 ^p	Oct. 2022 ^r	Sep. 2022	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2022 ^p	Oct. 2022 ^r	Sep. 2022	Nov. 2021	2022 ^p	2021	% Change 2022/ 2021
All manufacturing industries ²	543,296	553,138	550,895	-1.8	0.4	0.3	526,888	555,370	566,852	493,172	5,951,187	5,302,806	12.2
Excluding transportation ²	451,971	455,686	455,219	-0.8	0.1	-0.2	436,296	460,219	463,031	413,347	4,959,157	4,464,820	11.1
Excluding defense ²	525,476	536,370	535,072	-2.0	0.2	0.8	509,338	540,809	546,400	478,825	5,774,571	5,142,558	12.3
With unfilled orders ²	189,826	195,690	193,704	-3.0	1.0	-0.4	180,966	190,381	204,784	173,032	2,093,167	1,897,542	10.3
Durable goods industries ²	270,473	276,366	274,399	-2.1	0.7	0.2	259,588	273,120	289,932	244,327	2,956,911	2,676,489	10.5
Primary metals.....	20,004	20,125	20,241	-0.6	-0.6	-2.4	18,773	19,681	20,137	18,598	227,682	209,984	8.4
Iron and steel mills.....	11,825	11,975	12,146	-1.3	-1.4	-2.2	11,015	11,587	12,181	10,590	133,134	117,951	12.9
Aluminum and nonferrous metals.....	6,653	6,631	6,555	0.3	1.2	-3.9	6,336	6,642	6,456	6,601	77,729	76,651	1.4
Ferrous metal foundries.....	1,526	1,519	1,540	0.5	-1.4	3.4	1,422	1,452	1,500	1,407	16,819	15,382	9.3
Fabricated metal products.....	36,426	36,382	36,444	0.1	-0.2	-1.1	33,822	35,874	36,717	32,997	406,529	385,378	5.5
Machinery.....	39,248	39,199	38,633	0.1	1.5	-0.7	35,834	38,353	39,435	34,057	420,197	382,732	9.8
Construction machinery.....	4,099	3,958	3,651	3.6	8.4	-0.6	3,721	3,902	3,609	2,801	40,168	34,440	16.6
Mining, oil field, and gas field machinery.....	1,498	1,599	1,533	-6.3	4.3	-7.7	1,485	1,631	1,570	1,291	16,116	14,329	12.5
Industrial machinery.....	6,280	6,305	6,178	-0.4	2.1	-1.9	5,496	6,548	6,999	5,412	69,233	53,827	28.6
Photographic equipment.....	573	532	448	7.7	18.8	-13.2	454	494	748	384	5,712	5,669	0.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,060	4,965	5,004	1.9	-0.8	-1.1	4,303	4,435	5,157	3,977	53,977	47,723	13.1
Metalworking machinery.....	2,627	2,563	2,595	2.5	-1.2	-0.6	2,619	2,651	2,601	2,703	28,543	29,078	-1.8
Turbines, generators, and other power transmission equipment.....	3,366	3,561	3,434	-5.5	3.7	4.8	3,376	3,654	3,342	3,391	36,152	36,602	-1.2
Material handling equipment.....	3,751	3,755	3,759	-0.1	-0.1	3.0	3,514	3,672	3,726	3,024	39,279	32,051	22.6
Computers and electronic products ²	24,338	24,188	24,239	0.6	-0.2	-1.1	23,461	23,591	27,743	23,339	259,302	246,636	5.1
Computers.....	712	733	723	-2.9	1.4	-3.0	672	762	812	682	7,973	7,864	1.4
Nondefense communications equipment.....	2,844	2,843	2,879	0.0	-1.3	-6.6	2,701	2,589	3,622	3,447	31,745	32,053	-1.0
Defense communications equipment.....	214	216	209	-0.9	3.3	-0.5	229	205	254	203	2,281	1,995	14.3
Electronic components.....	4,536	4,454	4,601	1.8	-3.2	-1.0	4,276	4,404	4,854	4,134	49,770	45,260	10.0
Nondefense search and navigation equipment.....	1,750	1,689	1,663	3.6	1.6	-5.4	1,783	1,746	1,860	1,820	19,333	19,753	-2.1
Defense search and navigation equipment.....	3,317	3,258	3,339	1.8	-2.4	4.5	3,103	3,092	3,931	3,335	34,127	33,735	1.2
Electromedical, measuring, and control instruments.....	8,945	9,019	8,937	-0.8	0.9	-0.8	8,595	8,746	10,306	8,122	95,230	90,819	4.9
Electrical equipment, appliances, and components.....	13,695	13,678	13,701	0.1	-0.2	-1.1	13,130	13,814	14,402	12,517	148,955	138,025	7.9
Electric lighting equipment.....	1,132	1,099	1,038	3.0	5.9	-6.0	1,137	1,158	1,071	1,061	11,682	11,409	2.4
Household appliances.....	2,829	2,868	2,761	-1.4	3.9	0.3	2,817	2,873	3,230	2,632	29,029	28,591	1.5
Electrical equipment.....	3,800	3,823	3,962	-0.6	-3.5	0.1	3,510	3,792	3,945	3,442	43,616	38,652	12.8
Transportation equipment.....	91,325	97,452	95,676	-6.3	1.9	2.3	90,592	95,151	103,821	79,825	992,030	837,986	18.4
Motor vehicle bodies, parts, and trailers.....	27,499	27,327	26,903	0.6	1.6	-0.5	27,130	27,249	27,645	25,198	296,324	269,746	9.9
Nondefense aircraft and parts ³	12,302	19,334	18,458	-36.4	4.7	23.4	11,938	18,122	19,141	13,077	166,336	114,859	44.8
Defense aircraft and parts.....	4,812	5,267	4,456	-8.6	18.2	-32.6	5,352	4,689	5,504	5,278	58,830	54,544	7.9
Ships and boats.....	4,122	3,239	2,730	27.3	18.6	-49.3	3,854	2,854	3,232	3,306	38,847	39,811	-2.4
Furniture and related products.....	6,128	6,084	6,090	0.7	-0.1	-0.1	6,007	6,128	6,242	5,785	67,496	65,978	2.3
Nondurable goods industries.....	272,823	276,772	276,496	-1.4	0.1	0.3	267,300	282,250	276,920	248,845	2,994,276	2,626,317	14.0

^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 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, November Full Report, January 6, 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 November 2022/ 2021
	Nov. 2022 ^p	Oct. 2022 ^r	Sep. 2022	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2022 ^p	Oct. 2022 ^r	Sep. 2022	Nov. 2021	
All manufacturing industries ²	1,143,060	1,143,249	1,137,101	0.0	0.5	0.5	1,130,698	1,133,504	1,131,417	1,061,764	6.5
Excluding transportation ²	473,085	472,797	473,007	0.1	0.0	0.0	466,768	468,209	470,416	453,572	2.9
Excluding defense ²	927,427	928,919	923,069	-0.2	0.6	0.6	918,322	921,037	917,262	853,814	7.6
Durable goods industries ²	1,143,060	1,143,249	1,137,101	0.0	0.5	0.5	1,130,698	1,133,504	1,131,417	1,061,764	6.5
Primary metals.....	30,530	30,509	30,635	0.1	-0.4	-0.3	29,771	29,637	29,944	29,879	-0.4
Iron and steel mills.....	16,122	16,080	16,085	0.3	0.0	0.3	15,649	15,612	15,890	15,766	-0.7
Aluminum and nonferrous metals.....	10,195	10,255	10,387	-0.6	-1.3	-1.6	10,013	9,969	9,955	10,525	-4.9
Ferrous metal foundries.....	4,213	4,174	4,163	0.9	0.3	0.9	4,109	4,056	4,099	3,588	14.5
Fabricated metal products.....	117,612	117,612	117,774	0.0	-0.1	-0.2	115,224	116,321	117,987	113,733	1.3
Machinery.....	133,507	133,027	132,653	0.4	0.3	0.3	131,949	131,707	131,730	124,886	5.7
Construction machinery.....	9,888	9,804	9,812	0.9	-0.1	-2.1	9,446	9,310	9,381	9,153	3.2
Mining, oil field, and gas field machinery.....	5,186	5,182	5,160	0.1	0.4	0.1	5,186	5,182	5,160	4,945	4.9
Industrial machinery.....	12,880	12,708	12,724	1.4	-0.1	-0.3	12,712	12,680	12,554	11,074	14.8
Photographic equipment.....	3,174	3,113	3,103	2.0	0.3	-1.7	3,219	3,287	3,262	3,294	-2.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	12,339	12,110	11,901	1.9	1.8	2.2	11,857	11,776	11,797	8,902	33.2
Metalworking machinery.....	8,381	8,521	8,582	-1.6	-0.7	0.4	8,369	8,470	8,491	8,397	-0.3
Turbines, generators, and other power transmission equipment.....	33,232	33,283	33,233	-0.2	0.2	0.0	33,232	33,283	33,233	33,467	-0.7
Material handling equipment.....	17,415	17,295	17,135	0.7	0.9	1.8	17,203	17,156	17,026	15,496	11.0
Computers and electronic products ²	140,090	140,251	140,548	-0.1	-0.2	0.0	139,037	139,597	139,883	136,942	1.5
Computers.....	1,173	1,199	1,198	-2.2	0.1	-1.0	1,173	1,199	1,198	1,259	-6.8
Nondefense communications equipment.....	20,536	20,711	20,921	-0.8	-1.0	-0.7	20,449	20,443	20,565	20,016	2.2
Defense communications equipment.....	314	315	313	-0.3	0.6	-0.6	292	301	309	306	-4.6
Electronic components.....	15,825	15,971	16,119	-0.9	-0.9	0.1	15,623	15,874	15,928	15,505	0.8
Nondefense search and navigation equipment.....	32,360	32,284	32,261	0.2	0.1	0.1	32,491	32,391	32,261	31,093	4.5
Defense search and navigation equipment.....	38,505	38,461	38,480	0.1	0.0	0.2	37,878	38,250	38,476	38,228	-0.9
Electromedical, measuring, and control instruments.....	31,377	31,310	31,256	0.2	0.2	0.1	31,131	31,139	31,146	30,535	2.0
Electrical equipment, appliances, and components.....	40,155	40,110	39,910	0.1	0.5	0.6	39,676	39,696	39,376	36,435	8.9
Electric lighting equipment.....	2,396	2,323	2,270	3.1	2.3	-0.4	2,417	2,319	2,243	2,151	12.4
Household appliances.....	5,021	4,870	4,754	3.1	2.4	0.1	5,101	4,927	4,783	5,400	-5.5
Electrical equipment.....	16,647	16,861	16,877	-1.3	-0.1	0.5	16,419	16,608	16,434	14,218	15.5
Transportation equipment.....	669,975	670,452	664,094	-0.1	1.0	0.8	663,930	665,295	661,001	608,192	9.2
Motor vehicle bodies, parts, and trailers.....	27,845	27,768	27,773	0.3	0.0	-1.5	27,085	26,529	27,266	26,918	0.6
Nondefense aircraft and parts.....	452,176	453,728	447,527	-0.3	1.4	1.3	449,466	451,479	444,890	399,150	12.6
Defense aircraft and parts.....	59,587	60,159	60,276	-1.0	-0.2	-1.5	58,801	59,241	59,935	56,460	4.1
Ships and boats.....	51,389	50,826	51,159	1.1	-0.7	-1.2	49,872	49,654	50,368	50,298	-0.8
Furniture and related products.....	9,793	9,902	10,075	-1.1	-1.7	-1.5	9,713	9,865	10,084	10,501	-7.5

^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 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, November Full Report, January 6, 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 November 2022/ 2021
	Nov. 2022 ^p	Oct. 2022 ^r	Sep. 2022	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2022 ^p	Oct. 2022 ^r	Sep. 2022	Nov. 2021	
All manufacturing industries.....	804,664	804,577	801,300	0.0	0.4	0.1	802,964	806,697	799,558	755,419	6.3
Excluding transportation.....	647,933	647,801	644,204	0.0	0.6	0.2	645,258	648,171	641,356	600,528	7.4
Excluding defense.....	777,691	777,999	774,904	0.0	0.4	0.2	776,032	780,105	773,158	729,746	6.3
With unfilled orders.....	391,817	391,124	390,571	0.2	0.1	0.1	391,326	390,397	390,230	371,522	5.3
Durable goods industries.....	489,625	489,302	488,706	0.1	0.1	0.3	489,297	488,842	487,826	463,056	5.7
Wood products.....	14,597	14,630	14,742	-0.2	-0.8	0.0	14,535	14,492	14,409	14,060	3.4
Nonmetallic mineral products.....	16,596	16,513	16,401	0.5	0.7	0.8	16,187	16,157	16,168	14,669	10.3
Primary metals.....	38,182	38,464	38,807	-0.7	-0.9	-0.5	37,839	38,107	38,453	37,024	2.2
Iron and steel mills.....	22,187	22,432	22,752	-1.1	-1.4	-0.3	22,052	22,310	22,572	22,429	-1.7
Aluminum and nonferrous metals.....	13,217	13,276	13,351	-0.4	-0.6	-0.9	13,056	13,094	13,273	12,070	8.2
Ferrous metal foundries.....	2,778	2,756	2,704	0.8	1.9	0.1	2,731	2,703	2,608	2,525	8.2
Fabricated metal products.....	62,340	62,357	62,587	0.0	-0.4	-0.3	61,455	61,644	62,289	58,984	4.2
Machinery.....	86,965	86,592	85,656	0.4	1.1	1.5	87,585	86,144	85,546	76,927	13.9
Farm machinery.....	5,572	5,912	6,035	-5.8	-2.0	1.0	5,619	5,692	5,712	4,922	14.2
Construction machinery.....	7,659	7,457	7,223	2.7	3.2	1.2	7,668	7,408	7,205	6,330	21.1
Mining, oil field, and gas field machinery.....	6,491	6,405	6,295	1.3	1.7	1.9	6,522	6,447	6,308	5,796	12.5
Industrial machinery.....	11,443	11,179	10,964	2.4	2.0	2.2	11,605	10,839	11,322	9,768	18.8
Photographic equipment.....	1,419	1,406	1,395	0.9	0.8	0.4	1,447	1,424	1,374	1,373	5.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,264	8,120	7,937	1.8	2.3	2.0	8,083	7,959	7,671	6,318	27.9
Metalworking machinery.....	6,764	6,811	6,806	-0.7	0.1	0.6	6,854	6,891	6,843	6,360	7.8
Turbines, generators, and other power transmission equipment.....	10,688	10,699	10,587	-0.1	1.1	2.8	10,797	10,723	10,591	9,810	10.1
Material handling equipment.....	7,173	7,094	6,983	1.1	1.6	1.3	7,429	7,232	7,108	6,490	14.5
Computers and electronic products ²	53,101	53,051	52,754	0.1	0.6	0.5	53,371	53,254	52,533	50,913	4.8
Computers.....	2,142	2,129	2,133	0.6	-0.2	-0.7	2,152	2,101	2,248	2,046	5.2
Computer storage devices.....	843	857	861	-1.6	-0.5	-0.5	889	878	848	933	-4.7
Other peripheral equipment.....	956	965	955	-0.9	1.0	0.7	989	956	935	859	15.1
Nondefense communications equipment.....	4,771	4,762	4,774	0.2	-0.3	0.8	4,881	4,885	4,775	4,710	3.6
Defense communications equipment.....	655	655	653	0.0	0.3	-0.2	655	655	653	662	-1.1
Audio and video equipment.....	1,087	1,110	1,136	-2.1	-2.3	-1.6	1,075	1,096	1,169	979	9.8
Electronic components.....	10,205	10,210	10,025	0.0	1.8	1.5	9,910	9,966	9,819	9,631	2.9
Nondefense search and navigation equipment.....	3,521	3,482	3,443	1.1	1.1	-0.3	3,514	3,545	3,462	3,189	10.2
Defense search and navigation equipment.....	2,838	2,832	2,835	0.2	-0.1	0.3	2,817	2,807	2,770	2,856	-1.4
Electromedical, measuring and control instruments.....	18,132	18,064	18,025	0.4	0.2	0.4	18,336	18,170	18,006	17,204	6.6
Electrical equipment, appliances, and components.....	23,644	23,419	23,259	1.0	0.7	0.4	23,175	22,955	22,841	20,478	13.2
Electric lighting equipment.....	2,119	2,111	2,106	0.4	0.2	0.7	2,117	2,116	2,107	2,090	1.3
Household appliances.....	3,187	3,190	3,200	-0.1	-0.3	-2.8	3,093	3,199	3,183	2,872	7.7
Electrical equipment.....	8,170	8,063	7,953	1.3	1.4	1.8	8,062	7,747	7,549	6,785	18.8
Batteries.....	1,644	1,598	1,567	2.9	2.0	0.4	1,489	1,553	1,616	1,412	5.5
Transportation equipment.....	156,731	156,776	157,096	0.0	-0.2	-0.2	157,706	158,526	158,202	154,891	1.8
Automobiles.....	6,751	6,648	6,234	1.5	6.6	-1.3	6,787	6,962	6,436	6,595	2.9
Light trucks and utility vehicles.....	9,834	9,990	10,486	-1.6	-4.7	4.2	10,173	10,371	10,744	9,242	10.1
Heavy duty trucks	2,976	2,953	2,909	0.8	1.5	2.0	2,874	2,907	2,877	2,622	9.6
Motor vehicle bodies, parts, and trailers.....	32,334	32,335	32,282	0.0	0.2	-0.6	31,917	32,099	32,220	30,468	4.8
Nondefense aircraft and parts.....	74,369	74,831	75,331	-0.6	-0.7	-0.5	75,429	76,020	75,946	77,377	-2.5
Defense aircraft and parts.....	12,828	12,772	12,764	0.4	0.1	-0.8	12,872	12,781	12,747	12,743	1.0
Ships and boats.....	4,765	4,639	4,521	2.7	2.6	-1.7	4,709	4,680	4,614	3,839	22.7
Furniture and related products.....	10,028	10,023	10,024	0.0	0.0	0.4	9,885	9,823	9,914	8,895	11.1
Miscellaneous durable goods.....	27,441	27,477	27,380	-0.1	0.4	0.3	27,559	27,740	27,471	26,215	5.1
Nondurable goods industries.....	315,039	315,275	312,594	-0.1	0.9	-0.1	313,667	317,855	311,732	292,363	7.3
Food products.....	64,168	63,895	63,571	0.4	0.5	0.8	65,666	67,038	64,098	61,685	6.5
Grain and oilseed milling.....	7,874	7,812	7,812	0.8	0.0	-0.5	7,866	8,085	7,620	7,244	8.6
Dairy products.....	9,552	9,462	9,382	1.0	0.9	0.5	9,145	9,254	9,344	8,129	12.5
Meat, poultry, and seafood products.....	11,017	11,078	11,101	-0.6	-0.2	0.6	11,062	11,329	11,224	10,346	6.9
Beverage and tobacco products.....	28,414	28,466	28,449	-0.2	0.1	0.0	28,799	28,763	28,084	27,593	4.4
Beverages.....	24,787	24,811	24,792	-0.1	0.1	-0.1	25,007	25,041	24,577	23,804	5.1
Tobacco.....	3,627	3,655	3,657	-0.8	-0.1	0.3	3,792	3,722	3,507	3,789	0.1
Textile mills.....	3,647	3,637	3,626	0.3	0.3	-0.2	3,601	3,592	3,615	3,217	11.9
Textile products.....	4,289	4,317	4,333	-0.6	-0.4	0.1	4,293	4,318	4,345	4,078	5.3
Apparel.....	2,452	2,403	2,395	2.0	0.3	0.6	2,387	2,469	2,468	1,903	25.4
Leather and allied products.....	1,260	1,258	1,221	0.2	3.0	3.0	1,233	1,238	1,213	846	45.7
Paper products.....	16,732	16,739	16,750	0.0	-0.1	0.3	16,434	16,524	16,772	15,659	4.9
Pulp, paper, and paperboard mills.....	5,066	5,064	5,070	0.0	-0.1	1.4	4,996	4,953	5,023	4,814	3.8
Paperboard containers.....	6,209	6,176	6,144	0.5	0.5	-0.2	6,082	6,121	6,183	5,644	7.8
Printing.....	6,506	6,472	6,503	0.5	-0.5	0.0	6,554	6,652	6,678	6,185	6.0
Petroleum and coal products.....	51,182	51,270	48,669	-0.2	5.3	-1.6	49,161	50,752	48,221	41,647	18.0
Petroleum refineries.....	44,112	44,308	41,855	-0.4	5.9	-2.6	42,295	43,991	41,472	35,871	17.9
Chemical products.....	104,359	104,816	105,028	-0.4	-0.2	0.1	103,743	104,697	104,224	99,810	3.9
Pesticides, fertilizers, and other agricultural chemicals.....	6,839	6,848	6,878	-0.1	-0.4	0.8	6,754	6,574	6,599	5,704	18.4
Pharmaceuticals and medicines.....	42,994	43,095	43,003	-0.2	0.2	-0.1	42,948	43,291	42,644	43,323	-0.9
Paints, coatings, and adhesives.....	5,344	5,295	5,246	0.9	0.9	1.5	5,156	5,158	5,141	4,136	24.7
Plastics and rubber products.....	32,030	32,002	32,049	0.1	-0.1	-0.3	31,796	31,812	32,014	29,740	6.9

^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, November Full Report, January 6, 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
	Nov. 2022 ^p	Oct. 2022 ^r	Sep. 2022	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2022 ^p	Oct. 2022 ^r	Sep. 2022	Nov. 2021	2022 ^p	2021	
SHIPMENTS													
All manufacturing industries.....	548,632	552,057	550,844	-0.6	0.2	0.3	535,505	559,121	567,627	494,475	5,950,204	5,290,628	12.5
Construction materials and supplies.....	61,333	61,273	61,329	0.1	-0.1	-0.3	58,012	63,475	64,113	56,291	681,070	624,001	9.1
Information technology.....	25,153	25,250	25,028	-0.4	0.9	-0.6	24,571	24,834	27,819	23,082	268,235	249,075	7.7
Computers and related products.....	2,303	2,270	2,170	1.5	4.6	0.1	2,178	2,271	2,470	1,692	21,796	18,770	16.1
Motor vehicle and parts.....	61,690	61,821	61,757	-0.2	0.1	2.5	60,974	63,442	65,138	53,224	652,726	569,322	14.6
Capital goods.....	99,070	98,448	97,199	0.6	1.3	-0.5	96,345	95,831	105,079	85,726	1,031,408	926,694	11.3
Nondefense capital goods ³	84,822	84,170	82,827	0.8	1.6	-0.4	81,089	81,839	89,440	71,412	878,616	782,897	12.2
Excluding aircraft.....	75,102	75,159	74,080	-0.1	1.5	-0.1	71,181	74,478	78,745	65,433	799,186	718,182	11.3
Defense capital goods ⁴	14,248	14,278	14,372	-0.2	-0.7	-0.9	15,256	13,992	15,639	14,314	152,792	143,797	6.3
Consumer goods.....	235,417	239,134	238,616	-1.6	0.2	1.2	233,157	245,325	241,178	209,173	2,550,325	2,181,203	16.9
Consumer durable goods.....	46,188	46,475	46,619	-0.6	-0.3	3.0	46,311	47,576	49,604	40,991	488,206	434,225	12.4
Consumer nondurable goods.....	189,229	192,659	191,997	-1.8	0.3	0.8	186,846	197,749	191,574	168,182	2,062,119	1,746,978	18.0
NEW ORDERS													
All manufacturing industries ⁵	543,296	553,138	550,895	-1.8	0.4	0.3	526,888	555,370	566,852	493,172	5,951,187	5,302,806	12.2
Construction materials and supplies.....	61,611	61,465	61,568	0.2	-0.2	-0.4	57,304	62,268	63,471	55,765	683,823	643,907	6.2
Information technology.....	25,234	25,158	25,070	0.3	0.4	-1.6	24,091	24,553	28,754	24,037	269,196	257,211	4.7
Computers and related products.....	2,277	2,271	2,158	0.3	5.2	0.0	2,152	2,272	2,458	1,662	21,750	18,652	16.6
Motor vehicle and parts.....	61,767	61,816	61,324	-0.1	0.8	2.2	61,530	62,705	64,680	53,749	652,064	572,539	13.9
Capital goods.....	98,659	104,458	102,993	-5.6	1.4	0.5	93,756	100,590	111,392	89,761	1,082,100	963,599	12.3
Nondefense capital goods ³	83,303	90,241	89,346	-7.7	1.0	3.7	78,876	88,479	93,766	77,181	932,620	822,129	13.4
Excluding aircraft.....	75,124	75,055	74,819	0.1	0.3	-0.7	71,002	74,305	78,907	67,555	808,160	742,685	8.8
Defense capital goods ⁴	15,356	14,217	13,647	8.0	4.2	-16.6	14,880	12,111	17,626	12,580	149,480	141,470	5.7
Consumer goods.....	235,498	239,143	238,599	-1.5	0.2	1.2	233,272	245,351	241,442	209,148	2,549,801	2,183,358	16.8
Consumer durable goods.....	46,269	46,484	46,602	-0.5	-0.3	3.2	46,426	47,602	49,868	40,966	487,682	436,380	11.8
Consumer nondurable goods.....	189,229	192,659	191,997	-1.8	0.3	0.8	186,846	197,749	191,574	168,182	2,062,119	1,746,978	18.0
UNFILLED ORDERS													
All manufacturing industries ⁵	1,143,060	1,143,249	1,137,101	0.0	0.5	0.5	1,130,698	1,133,504	1,131,417	1,061,764	(X)	(X)	6.5
Construction materials and supplies.....	89,943	89,665	89,473	0.3	0.2	0.3	87,614	88,322	89,529	83,984	(X)	(X)	4.3
Information technology.....	143,530	143,449	143,541	0.1	-0.1	0.0	142,372	142,852	143,133	139,397	(X)	(X)	2.1
Computers and related products.....	1,173	1,199	1,198	-2.2	0.1	-1.0	1,173	1,199	1,198	1,259	(X)	(X)	-6.8
Motor vehicle and parts.....	27,845	27,768	27,773	0.3	0.0	-1.5	27,085	26,529	27,266	26,918	(X)	(X)	0.6
Capital goods.....	838,019	838,430	832,420	0.0	0.7	0.7	830,863	833,452	828,693	772,649	(X)	(X)	7.5
Nondefense capital goods ³	649,833	651,352	645,281	-0.2	0.9	1.0	645,632	647,845	641,205	586,071	(X)	(X)	10.2
Excluding aircraft.....	267,436	267,414	267,518	0.0	0.0	0.3	265,268	265,447	265,620	255,354	(X)	(X)	3.9
Defense capital goods ⁴	188,186	187,078	187,139	0.6	0.0	-0.4	185,231	185,607	187,488	186,578	(X)	(X)	-0.7
Consumer goods.....	10,842	10,761	10,752	0.8	0.1	-0.2	10,971	10,856	10,830	11,725	(X)	(X)	-6.4
Consumer durable goods.....	10,842	10,761	10,752	0.8	0.1	-0.2	10,971	10,856	10,830	11,725	(X)	(X)	-6.4
TOTAL INVENTORIES													
All manufacturing industries.....	804,664	804,577	801,300	0.0	0.4	0.1	802,964	806,697	799,558	755,419	(X)	(X)	6.3
Construction materials and supplies.....	87,256	87,105	87,078	0.2	0.0	0.4	85,751	85,829	86,119	80,476	(X)	(X)	6.6
Information technology.....	45,004	44,833	44,755	0.4	0.2	0.2	45,294	44,970	44,732	42,244	(X)	(X)	7.2
Computers and related products.....	3,941	3,951	3,949	-0.3	0.1	-0.3	4,030	3,935	4,031	3,838	(X)	(X)	5.0
Motor vehicle and parts.....	51,895	51,926	51,911	-0.1	0.0	0.4	51,751	52,339	52,277	48,927	(X)	(X)	5.8
Capital goods.....	238,574	238,022	237,277	0.2	0.3	0.4	240,367	238,696	237,623	226,451	(X)	(X)	6.1
Nondefense capital goods ³	215,596	215,445	214,869	0.1	0.3	0.6	217,474	216,114	215,194	204,678	(X)	(X)	6.3
Excluding aircraft.....	151,891	151,279	150,196	0.4	0.7	1.1	152,658	150,725	149,853	137,860	(X)	(X)	10.7
Defense capital goods ⁴	22,978	22,577	22,408	1.8	0.8	-1.2	22,893	22,582	22,429	21,773	(X)	(X)	5.1
Consumer goods.....	245,701	245,823	242,974	0.0	1.2	0.0	245,809	249,839	243,047	229,348	(X)	(X)	7.2
Consumer durable goods.....	43,600	43,716	43,809	-0.3	-0.2	0.6	43,913	44,503	44,322	40,722	(X)	(X)	7.8
Consumer nondurable goods.....	202,101	202,107	199,165	0.0	1.5	-0.2	201,896	205,336	198,725	188,626	(X)	(X)	7.0

^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, November Full Report, January 6, 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 November 2022/ 2021
	Nov. 2022 ^p	Oct. 2022 ^r	Sep. 2022	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2022 ^p	Oct. 2022 ^r	Sep. 2022	Nov. 2021	
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries.....	296,092	296,935	296,095	-0.3	0.3	0.5	293,902	296,519	295,613	272,219	8.0
Durable goods industries.....	181,630	181,581	180,955	0.0	0.3	0.3	180,883	181,224	181,149	167,295	8.1
Wood products.....	6,373	6,432	6,505	-0.9	-1.1	-0.5	6,470	6,474	6,478	6,157	5.1
Nonmetallic mineral products.....	7,330	7,300	7,308	0.4	-0.1	0.7	7,253	7,243	7,277	6,312	14.9
Primary metals.....	13,721	14,085	14,182	-2.6	-0.7	-0.9	13,804	14,249	14,151	13,491	2.3
Fabricated metal products.....	24,875	25,036	25,328	-0.6	-1.2	-0.9	24,571	24,805	25,505	24,219	1.5
Machinery.....	37,933	37,726	37,115	0.5	1.6	1.8	37,791	37,646	37,144	33,449	13.0
Computers and electronic products.....	25,535	25,388	25,405	0.6	-0.1	0.4	25,614	25,477	25,445	22,892	11.9
Electrical equipment, appliances, and components.....	11,239	11,059	10,998	1.6	0.6	-0.2	11,031	10,822	10,818	9,362	17.8
Transportation equipment.....	40,828	40,766	40,420	0.2	0.9	0.3	40,677	40,818	40,678	38,597	5.4
Furniture and related products.....	4,859	4,798	4,807	1.3	-0.2	-1.4	4,701	4,657	4,721	4,184	12.4
Miscellaneous products.....	8,937	8,991	8,887	-0.6	1.2	0.6	8,971	9,033	8,932	8,632	3.9
Nondurable goods industries.....	114,462	115,354	115,140	-0.8	0.2	0.8	113,019	115,295	114,464	104,924	7.7
Food products.....	24,526	24,500	24,507	0.1	0.0	1.8	24,753	25,173	24,414	23,575	5.0
Beverage and tobacco products.....	5,933	5,902	5,853	0.5	0.8	2.4	6,081	5,960	5,734	6,285	-3.2
Textiles.....	1,439	1,445	1,433	-0.4	0.8	0.1	1,419	1,420	1,426	1,300	9.2
Textile products.....	1,558	1,564	1,577	-0.4	-0.8	-0.4	1,554	1,559	1,582	1,427	8.9
Apparel.....	727	735	735	-1.1	0.0	-0.5	708	747	745	644	9.9
Leather and allied products.....	396	398	385	-0.5	3.4	2.4	384	390	384	308	24.7
Paper products.....	8,825	8,837	8,853	-0.1	-0.2	-0.2	8,735	8,750	8,896	8,142	7.3
Printing	3,454	3,440	3,443	0.4	-0.1	2.2	3,465	3,498	3,525	3,153	9.9
Petroleum and coal products.....	17,007	17,821	17,505	-4.6	1.8	-0.9	15,861	17,441	17,178	13,721	15.6
Chemical products.....	36,480	36,610	36,647	-0.4	-0.1	0.5	36,091	36,403	36,283	33,379	8.1
Plastics and rubber products.....	14,117	14,102	14,202	0.1	-0.7	2.0	13,968	13,954	14,297	12,990	7.5
<u>WORK IN PROCESS</u>											
All manufacturing industries.....	225,949	224,783	224,408	0.5	0.2	-0.2	227,233	226,643	224,165	217,852	4.3
Durable goods industries.....	172,439	171,952	172,380	0.3	-0.2	-0.1	173,088	172,518	172,816	168,263	2.9
Wood products.....	2,088	2,108	2,088	-0.9	1.0	1.7	2,070	2,078	2,031	1,982	4.4
Nonmetallic mineral products.....	1,515	1,508	1,493	0.5	1.0	0.6	1,458	1,448	1,458	1,461	-0.2
Primary metals.....	12,645	12,592	12,782	0.4	-1.5	0.9	12,467	12,545	12,793	12,181	2.3
Fabricated metal products.....	15,029	14,955	14,834	0.5	0.8	-0.6	14,910	14,914	14,769	13,970	6.7
Machinery.....	23,905	23,765	23,805	0.6	-0.2	1.2	24,288	23,478	24,027	20,701	17.3
Computers and electronic products.....	13,306	13,356	13,255	-0.4	0.8	0.3	13,151	13,214	12,936	13,908	-5.4
Electrical equipment, appliances, and components.....	4,343	4,319	4,270	0.6	1.1	1.1	4,277	4,250	4,182	3,897	9.8
Transportation equipment.....	93,542	93,305	93,823	0.3	-0.6	-0.6	94,369	94,492	94,528	94,517	-0.2
Furniture and related products.....	1,410	1,412	1,383	-0.1	2.1	2.7	1,438	1,403	1,387	1,379	4.3
Miscellaneous products.....	4,656	4,632	4,647	0.5	-0.3	0.3	4,660	4,696	4,705	4,267	9.2
Nondurable goods industries.....	53,510	52,831	52,028	1.3	1.5	-0.8	54,145	54,125	51,349	49,589	9.2
Food products.....	5,875	5,967	5,838	-1.5	2.2	-4.1	6,548	6,860	5,440	6,414	2.1
Beverage and tobacco products.....	8,873	8,862	8,835	0.1	0.3	-1.9	9,178	9,060	8,778	8,936	2.7
Textiles.....	612	608	616	0.7	-1.3	-1.0	608	608	619	592	2.7
Textile products.....	457	455	464	0.4	-1.9	-1.3	459	453	473	430	6.7
Apparel.....	289	286	284	1.0	0.7	0.4	282	289	290	265	6.4
Leather and allied products.....	122	119	118	2.5	0.8	0.0	120	116	116	117	2.6
Paper products.....	1,437	1,427	1,427	0.7	0.0	1.4	1,413	1,406	1,416	1,376	2.7
Printing	1,195	1,189	1,198	0.5	-0.8	-4.9	1,221	1,260	1,258	1,271	-3.9
Petroleum and coal products.....	14,943	14,571	13,898	2.6	4.8	5.1	14,437	14,705	13,810	10,571	36.6
Chemical products.....	16,263	15,903	15,945	2.3	-0.3	-2.7	16,420	15,891	15,716	16,123	1.8
Plastics and rubber products.....	3,444	3,444	3,405	0.0	1.1	-5.3	3,459	3,477	3,433	3,494	-1.0
<u>FINISHED GOODS</u>											
All manufacturing industries.....	282,623	282,859	280,797	-0.1	0.7	0.0	281,829	283,535	279,780	265,348	6.2
Durable goods industries.....	135,556	135,769	135,371	-0.2	0.3	0.6	135,326	135,100	133,861	127,498	6.1
Wood products.....	6,136	6,090	6,149	0.8	-1.0	0.0	5,995	5,940	5,900	5,921	1.2
Nonmetallic mineral products.....	7,751	7,705	7,600	0.6	1.4	0.9	7,476	7,466	7,433	6,896	8.4
Primary metals.....	11,816	11,787	11,843	0.2	-0.5	-1.5	11,568	11,313	11,509	11,352	1.9
Fabricated metal products.....	22,436	22,366	22,425	0.3	-0.3	0.7	21,974	21,925	22,015	20,795	5.7
Machinery.....	25,127	25,101	24,736	0.1	1.5	1.3	25,506	25,020	24,375	22,777	12.0
Computers and electronic products.....	14,260	14,307	14,094	-0.3	1.5	1.0	14,606	14,563	14,152	14,113	3.5
Electrical equipment, appliances, and components.....	8,062	8,041	7,991	0.3	0.6	0.8	7,867	7,883	7,841	7,219	9.0
Transportation equipment.....	22,361	22,705	22,853	-1.5	-0.6	0.8	22,660	23,216	22,996	21,777	4.1
Furniture and related products.....	3,759	3,813	3,834	-1.4	-0.5	1.9	3,746	3,763	3,806	3,332	12.4
Miscellaneous products.....	13,848	13,854	13,846	0.0	0.1	0.1	13,928	14,011	13,834	13,316	4.6
Nondurable goods industries.....	147,067	147,090	145,426	0.0	1.1	-0.5	146,503	148,435	145,919	137,850	6.3
Food products.....	33,767	33,428	33,226	1.0	0.6	1.0	34,365	35,005	34,244	31,696	8.4
Beverage and tobacco products.....	13,608	13,702	13,761	-0.7	-0.4	0.2	13,540	13,743	13,572	12,372	9.4
Textiles.....	1,596	1,584	1,577	0.8	0.4	-0.3	1,574	1,564	1,570	1,325	18.8
Textile products.....	2,274	2,298	2,292	-1.0	0.3	0.7	2,280	2,306	2,290	2,221	2.7
Apparel.....	1,436	1,382	1,376	3.9	0.4	1.3	1,397	1,433	1,433	994	40.5
Leather and allied products.....	742	741	718	0.1	3.2	3.8	729	732	713	421	73.2
Paper products.....	6,470	6,475	6,470	-0.1	0.1	0.7	6,286	6,368	6,460	6,141	2.4
Printing	1,857	1,843	1,862	0.8	-1.0	-0.6	1,868	1,894	1,895	1,761	6.1
Petroleum and coal products.....	19,232	18,878	17,266	1.9	9.3	-7.0	18,863	18,606	17,233	17,355	8.7
Chemical products.....	51,616	52,303	52,436	-1.3	-0.3	0.7	51,232	52,403	52,225	50,308	1.8
Plastics and rubber products.....	14,469	14,456	14,442	0.1	0.1	-1.4	14,369	14,381	14,284	13,256	8.4

^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, November Full Report, January 6, 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			
	Nov 2022 ⁹	Oct 2022 ⁷	Sep 2022	Aug 2022	Nov 2022 ⁹	Oct 2022 ⁷	Sep 2022	Aug 2022
All manufacturing industries ³	1.47	1.46	1.45	1.46	(X)	(X)	(X)	(X)
Durable goods industries ³	1.78	1.78	1.78	1.78	6.02	6.03	6.03	5.98
Wood products.....	1.14	1.15	1.15	1.15	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.33	1.32	1.31	1.30	(X)	(X)	(X)	(X)
Primary metals.....	1.91	1.90	1.91	1.88	1.53	1.51	1.51	1.48
Fabricated metal products.....	1.71	1.71	1.71	1.70	3.31	3.30	3.29	3.28
Machinery.....	2.24	2.23	2.24	2.21	3.77	3.75	3.82	3.83
Computers and electronic products ³	1.79	1.80	1.80	1.80	6.23	6.23	6.28	6.27
Electrical equipment, appliances, and components.....	1.73	1.74	1.73	1.72	3.19	3.21	3.19	3.18
Transportation equipment.....	1.71	1.72	1.73	1.76	11.64	11.84	11.82	11.66
Furniture and related products.....	1.61	1.60	1.61	1.61	1.78	1.79	1.82	1.86
Miscellaneous products.....	1.95	1.96	1.96	1.94	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.15	1.14	1.13	1.13	(X)	(X)	(X)	(X)
Food products.....	0.84	0.84	0.84	0.83	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.69	1.70	1.68	1.68	(X)	(X)	(X)	(X)
Textiles.....	1.62	1.59	1.56	1.55	(X)	(X)	(X)	(X)
Textile products.....	2.24	2.22	2.17	2.18	(X)	(X)	(X)	(X)
Apparel.....	3.17	3.17	3.25	3.32	(X)	(X)	(X)	(X)
Leather and allied products.....	2.60	2.65	2.64	2.67	(X)	(X)	(X)	(X)
Paper products.....	1.03	1.03	1.03	1.03	(X)	(X)	(X)	(X)
Printing.....	0.93	0.92	0.93	0.94	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.81	0.77	0.74	0.76	(X)	(X)	(X)	(X)
Chemical products.....	1.58	1.58	1.58	1.57	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.44	1.44	1.44	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, November Full Report, January 6, 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	
	Nov ² 2022	Nov ³ 2021- Oct 2022	Nov ² 2022	Nov ³ 2021- Oct 2022	Nov ² 2022	Nov ³ 2021- Oct 2022	Nov ² 2022	Nov ³ 2021- Oct 2022
All manufacturing industries.....	(X)	0.2	(X)	0.4	(X)	0.1	(X)	0.1
Durable goods industries.....	0.0	0.2	0.0	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.....	-0.3	0.4	-0.2	0.6	0.1	0.3	-0.1	0.1
Fabricated metal products.....	0.1	0.2	0.0	0.4	0.0	0.1	-0.1	0.1
Machinery.....	0.1	0.3	-0.2	0.4	0.0	0.1	-0.1	0.2
Computers and electronic products.....	0.0	0.2	0.0	0.5	0.0	0.1	0.0	0.1
Electrical equipment, appliances, and components.....	-0.1	0.4	-0.1	0.7	0.0	0.2	0.1	0.3
Transportation equipment.....	0.0	0.4	0.0	1.3	0.0	0.1	0.1	0.1
Furniture and related products.....	(X)	0.4	(X)	0.6	(X)	0.5	(X)	0.4
Miscellaneous products.....	(X)	0.4	(X)	0.4	(X)	0.2	(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)	0.2
Textiles.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	0.5	(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)	0.3
Petroleum and coal products.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.6
Chemical products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.1	(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, November Full Report, January 6, 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>.