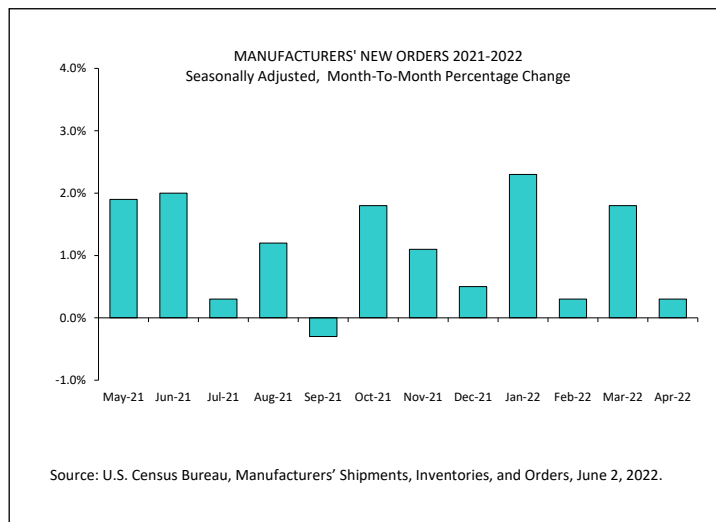


MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS APRIL 2022

Release Number: CB 22-80 M3-2 (22)-04

June 2, 2022 — The U.S. Census Bureau announces the April full report on manufacturers' shipments, inventories and orders:

 MANUFACTURED GOODS – NEW ORDERS		
APRIL 2022	\$533.2 billion	+0.3%
MARCH 2022 (revised)	\$531.4 billion	+1.8%
Next release: July 5, 2022		
<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, June 2, 2022.</small>		



Summary

New orders for manufactured goods in April, up eleven of the last twelve months, increased \$1.8 billion or 0.3 percent to \$533.2 billion, the U.S. Census Bureau reported today. This followed a 1.8 percent March increase. Shipments, up twenty-three of the last twenty-four months, increased \$0.9 billion or 0.2 percent to \$532.1 billion. This followed a 2.2 percent March increase. Unfilled orders, up twenty consecutive months, increased \$6.0 billion or 0.5 percent to \$1,106.8 billion. This followed a 0.5 percent March increase. The unfilled orders-to-shipments ratio was 6.07, up from 6.06 in March. Inventories, up twenty of the last twenty-one months, increased \$4.4 billion or 0.6 percent to \$786.1 billion. This followed a 1.4 percent March increase. The inventories-to-shipments ratio was 1.48, up from 1.47 in March.

New Orders

New orders for manufactured durable goods in April, up six of the last seven months, increased \$1.3 billion or 0.5 percent to \$265.5 billion, up from the previously published 0.4 percent increase. This followed a 0.7 percent March increase. Transportation equipment, up following two consecutive monthly decreases, led the increase, \$0.6 billion or 0.7 percent to \$86.8 billion. New orders for manufactured nondurable goods increased \$0.5 billion or 0.2 percent to \$267.7 billion.

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Shipments

Shipments of manufactured durable goods in April, up eleven of the last twelve months, increased \$0.4 billion or 0.1 percent to \$264.4 billion, unchanged from the previously published increase. This followed a 1.4 percent March increase. Primary metals, up four of the last five months, led the increase, \$0.2 billion or 1.0 percent to \$20.9 billion. Shipments of manufactured nondurable goods, up twenty-three of the last twenty-four months, increased \$0.5 billion or 0.2 percent to \$267.7 billion. This followed a 2.9 percent March increase. Food products, up eight of the last nine months, drove the increase, \$0.8 billion or 1.0 percent to \$76.1 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in April, up twenty consecutive months, increased \$6.0 billion or 0.5 percent to \$1,106.8 billion, unchanged from the previously published increase. This followed a 0.5 percent March increase. Transportation equipment, up fourteen of the last fifteen months, led the increase, \$4.3 billion or 0.7 percent to \$637.3 billion.

Inventories

Inventories of manufactured durable goods in April, up fifteen consecutive months, increased \$3.9 billion or 0.8 percent to \$479.7 billion, unchanged from the previously published increase. This followed a 0.9 percent March increase. Transportation equipment, up five of the last six months, led the increase, \$1.1 billion or 0.7 percent to \$156.9 billion. Inventories of manufactured nondurable goods, up eighteen of the last nineteen months, increased \$0.4 billion or 0.1 percent to \$306.4 billion. This followed a 2.1 percent March increase. Chemical products, up twelve of the last thirteen months, drove the increase, \$0.5 billion or 0.5 percent to \$102.8 billion. By stage of fabrication, April materials and supplies increased 1.2 percent in durable goods and 0.9 percent in nondurable goods. Work in process increased 0.3 percent in durable goods and decreased 0.5 percent in nondurable goods. Finished goods increased 1.0 percent in durable goods and decreased 0.2 percent in nondurable goods.

The Advance Report on durable goods for May is scheduled for release on June 27, 2022, at 8:30 a.m. EDT and the Full Report on July 5, 2022, at 10:00 a.m. EDT. View the full schedule in the Economic Briefing Room: <www.census.gov/economic-indicators/>. The full text and tables of this release can be found at <www.census.gov/m3>.

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EXPLANATORY NOTES

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

“Virtually unchanged” indicates that the change is less than 0.05 percent for a percent increase or decrease.

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. Any revisions made later than two months will be reflected in the annual benchmark publication. Additional

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survey documentation can be found on our web site:

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

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".

Benchmark notice

Revised historical data from the Manufacturers' Shipments, Inventories, and Orders (M3) Survey were issued on May 13, 2022. These revisions result from

- Benchmarking the M3 shipments and inventories data to the 2020 and 2019 Annual Survey of Manufactures (ASM) data;
- Incorporating the unfilled orders-to-shipments ratios obtained for 2020, 2019, and 2018 from the Manufacturers' Unfilled Orders (M3UFO) Survey;
- Adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- Correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data;
- Updating the seasonally adjusted data based on the results of benchmarking and the recent annual review of the seasonal adjustment models.

These revisions spanned the seasonally adjusted data for January 2012 through March 2022 and the data not seasonally adjusted for January 2017 through March 2022. An updated Press Release contains revised monthly tables for January 2022 through March 2022.

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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		
	Apr. 2022 ^p	Mar. 2022 ^r	Feb. 2022	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2022 ^p	Mar. 2022 ^r	Feb. 2022	Apr. 2021	2022 ^p	2021	% Change 2022/ 2021
All manufacturing industries.....	532,061	531,180	519,899	0.2	2.2	0.8	530,355	568,556	482,953	469,542	2,054,433	1,824,754	12.6
Excluding transportation.....	449,495	448,642	439,461	0.2	2.1	1.0	448,703	474,458	405,956	397,313	1,731,775	1,529,822	13.2
Excluding defense.....	516,451	515,402	503,937	0.2	2.3	0.8	515,582	550,999	467,611	454,944	1,993,656	1,766,937	12.8
With unfilled orders.....	182,457	181,751	180,519	0.4	0.7	0.4	179,314	198,734	169,425	162,749	708,613	631,663	12.2
Durable goods industries.....	264,411	264,026	260,275	0.1	1.4	0.3	261,182	288,250	244,095	236,308	1,024,899	926,572	10.6
Wood products.....	13,153	13,186	13,126	-0.3	0.5	2.3	13,841	13,379	12,019	13,164	50,178	45,753	9.7
Nonmetallic mineral products.....	12,524	12,479	12,480	0.4	0.0	-0.4	12,550	12,517	10,711	11,764	46,392	42,839	8.3
Primary metals.....	20,915	20,709	20,002	1.0	3.5	0.1	21,420	22,413	19,444	18,036	82,727	72,439	14.2
Iron and steel mills.....	11,937	11,614	11,418	2.8	1.7	-0.6	12,255	12,482	11,100	10,226	47,170	39,307	20.0
Aluminum and nonferrous metals.....	7,449	7,633	7,149	-2.4	6.8	1.2	7,582	8,317	7,014	6,483	29,703	28,167	5.5
Ferrous metal foundries.....	1,529	1,462	1,435	4.6	1.9	0.1	1,583	1,614	1,330	1,327	5,854	4,965	17.9
Fabricated metal products.....	36,592	36,672	36,319	-0.2	1.0	0.5	36,631	38,644	34,080	32,840	142,842	124,359	14.9
Machinery.....	37,040	36,945	36,602	0.3	0.9	-0.8	36,861	41,472	34,639	32,928	145,500	126,153	15.3
Farm machinery.....	2,518	2,546	2,422	-1.1	5.1	-9.3	3,072	3,122	2,634	3,103	11,319	11,537	-1.9
Construction machinery.....	3,579	3,419	3,274	4.7	4.4	5.3	3,784	3,774	3,239	2,876	13,522	11,155	21.2
Mining, oil field, and gas field machinery.....	1,412	1,426	1,400	-1.0	1.9	6.6	1,328	1,551	1,310	1,189	5,415	4,837	11.9
Industrial machinery.....	6,197	6,181	6,200	0.3	-0.3	-4.3	5,515	7,110	5,366	3,909	23,481	13,599	72.7
Photographic equipment.....	511	531	534	-3.8	-0.6	4.7	450	624	481	471	1,984	1,982	0.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,519	4,547	4,589	-0.6	-0.9	-0.2	4,528	4,952	3,885	4,221	17,008	15,289	11.2
Metalworking machinery.....	2,670	2,623	2,638	1.8	-0.6	0.1	2,509	2,858	2,436	2,487	10,173	9,870	3.1
Turbines, generators, and other power transmission equipment.....	3,112	3,194	3,177	-2.6	0.5	-3.7	3,167	3,301	3,206	3,207	12,801	12,709	0.7
Material handling equipment.....	3,534	3,493	3,470	1.2	0.7	5.6	3,440	3,986	3,386	2,717	13,770	10,609	29.8
Computers and electronic products ²	28,385	28,245	28,331	0.5	-0.3	1.3	25,833	30,200	25,527	24,949	106,877	102,148	4.6
Computers.....	738	727	749	1.5	-2.9	4.2	681	680	577	682	2,574	2,626	-2.0
Computer storage devices.....	642	610	614	5.2	-0.7	1.8	563	774	485	496	2,334	2,102	11.0
Other peripheral equipment.....	453	508	474	-10.8	7.2	6.3	356	574	383	408	1,705	1,656	3.0
Nondefense communications equipment.....	3,003	2,971	3,065	1.1	-3.1	1.3	2,630	3,496	2,493	2,444	11,061	10,127	9.2
Defense communications equipment....	214	202	209	5.9	-3.3	-1.9	206	217	207	188	799	731	9.3
Audio and video equipment.....	468	464	442	0.9	5.0	0.0	359	383	382	252	1,509	1,030	46.5
Electronic components.....	4,488	4,485	4,490	0.1	-0.1	2.2	4,265	4,893	4,090	3,812	17,271	15,171	13.8
Nondefense search and navigation equipment.....	1,645	1,605	1,634	2.5	-1.8	0.4	1,454	1,878	1,543	1,462	6,302	6,227	1.2
Defense search and navigation equipment.....	3,207	3,194	3,250	0.4	-1.7	1.5	3,047	3,441	3,095	3,090	12,295	12,271	0.2
Electromedical, measuring, and control instruments.....	8,591	8,475	8,452	1.4	0.3	0.6	7,899	9,437	7,641	7,721	32,323	31,915	1.3
Electrical equipment, appliances, and components.....	13,163	13,266	13,020	-0.8	1.9	2.5	12,963	14,453	11,909	11,874	50,303	44,951	11.9
Electric lighting equipment.....	1,021	1,034	1,026	-1.3	0.8	-0.7	1,006	1,077	930	1,006	3,943	3,879	1.6
Household appliances.....	2,620	2,680	2,614	-2.2	2.5	3.5	2,584	3,003	2,328	2,539	9,975	9,559	4.4
Electrical equipment.....	3,660	3,654	3,627	0.2	0.7	0.6	3,496	4,208	3,363	3,413	14,125	13,225	6.8
Batteries.....	997	1,041	978	-4.2	6.4	7.5	953	1,061	847	809	3,613	3,056	18.2
Transportation equipment.....	82,566	82,538	80,438	0.0	2.6	-0.4	81,652	94,098	76,997	72,229	322,658	294,932	9.4
Automobiles.....	7,845	7,946	6,954	-1.3	14.3	1.2	7,601	9,293	6,480	6,263	29,106	27,837	4.6
Light trucks and utility vehicles.....	20,871	21,090	20,091	-1.0	5.0	-1.1	20,924	24,999	19,552	16,854	82,830	76,959	7.6
Heavy duty trucks	2,303	2,245	2,254	2.6	-0.4	6.1	2,312	2,554	2,128	1,898	8,884	7,568	17.4
Motor vehicle bodies, parts, and trailers.....	26,397	26,184	25,701	0.8	1.9	-1.2	26,821	29,027	25,635	24,018	105,598	95,734	10.3
Nondefense aircraft and parts.....	10,259	9,989	10,061	2.7	-0.7	-1.6	9,684	11,416	8,371	9,235	37,687	32,359	16.5
Defense aircraft and parts.....	5,317	5,364	5,533	-0.9	-3.1	6.5	4,823	6,039	5,109	4,977	20,111	20,297	-0.9
Ships and boats.....	3,416	3,505	3,533	-2.5	-0.8	-0.6	3,438	3,820	3,512	3,633	13,621	13,742	-0.9
Furniture and related products.....	6,134	6,117	6,084	0.3	0.5	0.9	6,054	6,248	5,856	5,698	23,692	22,382	5.9
Miscellaneous durable goods.....	13,939	13,869	13,873	0.5	0.0	0.6	13,377	14,826	12,913	12,826	53,730	50,616	6.2
Nondurable goods industries.....	267,650	267,154	259,624	0.2	2.9	1.3	269,173	280,306	238,858	233,234	1,029,534	898,182	14.6
Food products.....	76,066	75,316	74,635	1.0	0.9	0.8	74,717	77,079	71,559	70,649	294,514	278,908	5.6
Grain and oilseed milling.....	9,144	9,006	8,701	1.5	3.5	0.3	8,922	9,376	8,378	7,809	35,161	31,347	12.2
Dairy products.....	11,940	11,615	11,569	2.8	0.4	1.0	11,739	11,828	10,807	10,936	45,566	43,139	5.6
Meat, poultry, and seafood products...	23,040	22,949	22,653	0.4	1.3	1.6	22,986	23,365	21,716	21,546	89,075	82,454	8.0
Beverage and tobacco products.....	15,488	15,535	14,949	-0.3	3.9	-0.6	15,567	15,530	13,775	13,784	58,754	51,652	13.7
Beverages.....	9,786	9,648	9,892	1.4	-2.5	-0.6	9,865	9,643	8,718	9,538	37,021	34,612	7.0
Tobacco.....	5,702	5,887	5,057	-3.1	16.4	-0.6	5,702	5,887	5,057	4,246	21,733	17,040	27.5
Textile mills.....	2,322	2,306	2,324	0.7	-0.8	1.0	2,368	2,425	2,262	2,280	9,194	8,774	4.8
Textile products.....	1,978	1,985	1,984	-0.4	0.1	0.4	2,038	2,061	1,936	1,962	7,824	7,466	4.8
Apparel.....	750	748	731	0.3	2.3	0.7	647	713	680	621	2,715	2,599	4.5
Leather and allied products.....	444	428	399	3.7	7.3	3.4	477	442	380	413	1,634	1,503	8.7
Paper products.....	16,404	16,428	16,432	-0.1	0.0	0.7	15,974	17,097	15,423	15,468	64,276	60,978	5.4
Pulp, paper, and paperboard mills.....	5,942	5,922	5,956	0.3	-0.6	0.8	5,778	6,090	5,508	5,529	23,187	21,920	5.8
Paperboard containers.....	6,062	6,103	6,102	-0.7	0.0	1.4	5,884	6,418	5,668	5,845	23,758	22,935	3.6
Printing.....	6,680	6,677	6,584	0.0	1.4	1.0	6,672	6,988	6,055	6,295	25,832	24,174	6.9
Petroleum and coal products.....	59,643	59,864	53,921	-0.4	11.0	5.0	62,650	62,631	45,543	39,667	218,129	144,599	50.9
Petroleum refineries.....	54,691	54,947	49,056	-0.5	12.0	5.5	57,799	57,938	41,650	35,339	200,733	127,972	56.9
Chemical products.....	65,368	65,548	65,494	-0.3	0.1	0.2	65,295	71,568	60,794	61,410	259,138	238,588	8.6
Pesticides, fertilizers, and other agricultural chemicals.....	3,130	3,174	3,195	-1.4	-0.7	-4.4	3,784	4,266	3,334	3,591	14,470	12,808	13.0
Pharmaceuticals and medicines.....	20,870	20,883	21,019	-0.1	-0.6	0.8	20,196	22,199	18,927	18,884	80,730	75,100	7.5
Paints, coatings, and adhesives.....	3,733	3,812	3,789	-2.1	0.6	-0.4	4,000	4,227	3,406	3,904	14,953	14,068	6.3
Plastics and rubber products.....	22,507	22,319	22,171	0.8	0.7	0.3	22,768	23,772	20,451	20,685	87,524	78,941	10.9

^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, April Full Report, June 2, 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		
	Apr. 2022 ^P	Mar. 2022 ^r	Feb. 2022	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2022 ^P	Mar. 2022 ^r	Feb. 2022	Apr. 2021	2022 ^P	2021	% Change 2022/ 2021
All manufacturing industries ²	533,188	531,412	522,118	0.3	1.8	0.3	529,462	574,394	488,963	469,768	2,076,508	1,845,057	12.5
Excluding transportation ²	446,354	445,192	435,639	0.3	2.2	0.7	447,401	474,315	405,559	401,171	1,731,793	1,544,806	12.1
Excluding defense ²	517,794	516,540	505,884	0.2	2.1	0.0	516,262	554,520	474,092	457,242	2,017,371	1,782,961	13.1
With unfilled orders ²	188,438	186,907	187,611	0.8	-0.4	-1.0	182,720	208,916	179,991	167,297	749,081	669,944	11.8
Durable goods industries ²	265,538	264,258	262,494	0.5	0.7	-0.7	260,289	294,088	250,105	236,534	1,046,974	946,875	10.6
Primary metals.....	20,958	20,783	20,120	0.8	3.3	-1.9	21,178	22,667	20,094	18,360	84,367	75,302	12.0
Iron and steel mills.....	11,814	11,655	11,523	1.4	1.1	-1.0	11,939	12,774	11,500	10,626	47,915	41,018	16.8
Aluminum and nonferrous metals.....	7,483	7,521	7,071	-0.5	6.4	-4.1	7,507	8,180	7,180	6,333	30,123	28,991	3.9
Ferrous metal foundries.....	1,661	1,607	1,526	3.4	5.3	1.2	1,732	1,713	1,414	1,401	6,329	5,293	19.6
Fabricated metal products.....	36,947	36,986	36,534	-0.1	1.2	0.3	37,786	40,571	35,126	37,162	148,336	139,402	6.4
Machinery.....	37,760	37,379	37,155	1.0	0.6	-2.0	38,110	41,594	36,502	35,150	151,930	134,247	13.2
Construction machinery.....	3,610	3,549	3,301	1.7	7.5	4.9	3,754	3,886	3,547	3,232	14,544	13,148	10.6
Mining, oil field, and gas field machinery.....	1,479	1,322	1,293	11.9	2.2	-4.6	1,395	1,447	1,203	1,177	5,313	4,879	8.9
Industrial machinery.....	6,341	6,264	6,564	1.2	-4.6	2.2	5,911	7,226	5,677	4,337	24,842	14,549	70.7
Photographic equipment.....	499	518	491	-3.7	5.5	-3.9	422	552	515	437	1,922	2,032	-5.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,925	4,469	4,548	10.2	-1.7	-9.3	5,183	4,910	4,130	4,543	18,530	16,493	12.4
Metalworking machinery.....	2,694	2,767	2,441	-2.6	13.4	-8.4	2,618	2,823	2,481	2,415	10,498	10,119	3.7
Turbines, generators, and other power transmission equipment.....	2,977	3,154	3,313	-5.6	-4.8	1.4	3,032	3,261	3,342	3,473	12,732	13,256	-4.0
Material handling equipment.....	3,658	3,701	3,608	-1.2	2.6	-4.7	3,347	4,119	3,614	2,656	14,471	10,676	35.5
Computers and electronic products ²	23,760	23,742	23,325	0.1	1.8	-1.8	21,662	27,266	20,845	20,987	90,549	86,627	4.5
Computers.....	739	729	745	1.4	-2.1	5.4	682	682	573	667	2,561	2,618	-2.2
Nondefense communications equipment.....	3,104	3,161	2,976	-1.8	6.2	-11.9	2,700	3,775	2,529	2,636	11,596	10,594	9.5
Defense communications equipment.....	208	194	203	7.2	-4.4	-1.9	191	217	200	160	778	685	13.6
Electronic components.....	4,485	4,615	4,588	-2.8	0.6	1.9	4,353	4,925	4,165	4,139	17,789	15,726	13.1
Nondefense search and navigation equipment.....	1,779	1,735	1,846	2.5	-6.0	3.3	1,593	2,027	1,721	1,682	6,998	6,971	0.4
Defense search and navigation equipment.....	3,101	3,137	2,870	-1.1	9.3	-9.5	2,918	4,065	2,679	2,877	12,084	12,611	-4.2
Electromedical, measuring, and control instruments.....	8,699	8,509	8,488	2.2	0.2	0.8	7,873	9,761	7,653	7,598	32,884	32,320	1.7
Electrical equipment, appliances, and components.....	13,562	13,593	13,250	-0.2	2.6	3.1	13,598	14,838	12,480	12,404	52,551	47,880	9.8
Electric lighting equipment.....	1,027	1,058	1,048	-2.9	1.0	3.6	1,000	1,116	965	977	4,006	4,035	-0.7
Household appliances.....	2,511	2,557	2,836	-1.8	-9.8	16.8	2,535	3,010	2,237	2,699	9,742	9,917	-1.8
Electrical equipment.....	4,126	3,892	3,821	6.0	1.9	-3.5	4,017	4,366	3,879	3,181	15,953	13,641	16.9
Transportation equipment.....	86,834	86,220	86,479	0.7	-0.3	-1.5	82,061	100,079	83,404	68,597	344,715	300,251	14.8
Motor vehicle bodies, parts, and trailers.....	26,761	26,591	25,895	0.6	2.7	-0.8	26,629	29,243	26,365	24,010	106,827	97,605	9.4
Nondefense aircraft and parts ³	14,536	13,933	15,162	4.3	-8.1	-16.4	11,974	15,367	14,025	7,396	59,862	32,055	86.7
Defense aircraft and parts.....	4,860	4,806	5,631	1.1	-14.7	41.9	4,148	5,923	4,935	4,182	18,008	20,738	-13.2
Ships and boats.....	3,280	2,951	3,598	11.1	-18.0	57.9	2,496	4,907	4,253	3,565	14,013	20,888	-32.9
Furniture and related products.....	6,092	6,019	6,053	1.2	-0.6	2.2	6,117	6,349	5,912	6,034	24,067	23,830	1.0
Nondurable goods industries.....	267,650	267,154	259,624	0.2	2.9	1.3	269,173	280,306	238,858	233,234	1,029,534	898,182	14.6

^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 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, April Full Report, June 2, 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
	Apr. 2022 ^p	Mar. 2022 ^r	Feb. 2022	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2022 ^p	Mar. 2022 ^r	Feb. 2022	Apr. 2021	
All manufacturing industries ²	1,106,775	1,100,794	1,095,638	0.5	0.5	0.7	1,115,069	1,111,663	1,101,481	1,034,864	7.8
Excluding transportation ²	469,469	467,756	466,282	0.4	0.3	0.2	474,783	471,786	467,585	434,210	9.3
Excluding defense ²	898,513	892,316	886,254	0.7	0.7	0.8	904,921	899,942	892,077	817,537	10.7
Durable goods industries ²	1,106,775	1,100,794	1,095,638	0.5	0.5	0.7	1,115,069	1,111,663	1,101,481	1,034,864	7.8
Primary metals.....	31,391	31,348	31,274	0.1	0.2	0.4	31,885	32,127	31,873	29,220	9.1
Iron and steel mills.....	16,212	16,335	16,294	-0.8	0.3	0.6	16,411	16,727	16,435	15,787	4.0
Aluminum and nonferrous metals.....	10,966	10,932	11,044	0.3	-1.0	-0.7	11,235	11,310	11,447	10,150	10.7
Ferrous metal foundries.....	4,213	4,081	3,936	3.2	3.7	2.4	4,239	4,090	3,991	3,283	29.1
Fabricated metal products.....	118,141	117,786	117,472	0.3	0.3	0.2	119,464	118,309	116,382	109,492	9.1
Machinery.....	129,648	128,928	128,494	0.6	0.3	0.4	131,352	130,103	129,981	116,611	12.6
Construction machinery.....	9,728	9,697	9,567	0.3	1.4	0.3	10,287	10,317	10,205	8,304	23.9
Mining, oil field, and gas field machinery.....	4,965	4,898	5,002	1.4	-2.1	-2.1	4,965	4,898	5,002	4,584	8.3
Industrial machinery.....	11,939	11,795	11,712	1.2	0.7	3.2	12,278	11,882	11,766	9,678	26.9
Photographic equipment.....	3,121	3,133	3,146	-0.4	-0.4	-1.3	3,091	3,119	3,191	3,363	-8.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	10,353	9,947	10,025	4.1	-0.8	-0.4	10,799	10,144	10,186	8,001	35.0
Metalworking machinery.....	8,583	8,559	8,415	0.3	1.7	-2.3	8,719	8,610	8,645	7,586	14.9
Turbines, generators, and other power transmission equipment.....	33,350	33,485	33,525	-0.4	-0.1	0.4	33,350	33,485	33,525	32,818	1.6
Material handling equipment.....	16,664	16,540	16,332	0.7	1.3	0.9	16,511	16,604	16,471	14,198	16.3
Computers and electronic products ²	139,943	139,714	139,293	0.2	0.3	-0.1	141,067	140,939	139,529	134,345	5.0
Computers.....	1,206	1,205	1,203	0.1	0.2	-0.3	1,206	1,205	1,203	1,369	-11.9
Nondefense communications equipment.....	21,303	21,202	21,012	0.5	0.9	-0.4	21,537	21,467	21,188	18,013	19.6
Defense communications equipment.....	303	309	317	-1.9	-2.5	-1.9	319	334	334	456	-30.0
Electronic components.....	16,086	16,089	15,959	0.0	0.8	0.6	16,290	16,202	16,170	14,803	10.0
Nondefense search and navigation equipment.....	31,812	31,678	31,548	0.4	0.4	0.7	31,787	31,648	31,499	29,680	7.1
Defense search and navigation equipment.....	38,275	38,381	38,438	-0.3	-0.1	-1.0	38,747	38,876	38,252	39,653	-2.3
Electromedical, measuring, and control instruments.....	30,958	30,850	30,816	0.4	0.1	0.1	31,181	31,207	30,883	30,371	2.7
Electrical equipment, appliances, and components.....	38,510	38,111	37,784	1.0	0.9	0.6	39,049	38,414	38,029	33,555	16.4
Electric lighting equipment.....	2,210	2,204	2,180	0.3	1.1	1.0	2,216	2,222	2,183	2,023	9.5
Household appliances.....	5,208	5,317	5,440	-2.1	-2.3	4.3	5,174	5,223	5,216	4,828	7.2
Electrical equipment.....	15,737	15,271	15,033	3.1	1.6	1.3	16,041	15,520	15,362	14,397	11.4
Transportation equipment.....	637,306	633,038	629,356	0.7	0.6	1.0	640,286	639,877	633,896	600,654	6.6
Motor vehicle bodies, parts, and trailers.....	28,552	28,188	27,781	1.3	1.5	0.7	28,976	29,168	28,952	25,572	13.3
Nondefense aircraft and parts.....	426,358	422,081	418,137	1.0	0.9	1.2	427,508	425,218	421,267	384,042	11.3
Defense aircraft and parts.....	55,690	56,147	56,705	-0.8	-1.0	0.2	56,455	57,130	57,246	60,504	-6.7
Ships and boats.....	48,614	48,750	49,304	-0.3	-1.1	0.1	49,999	50,941	49,854	56,309	-11.2
Furniture and related products.....	10,449	10,491	10,589	-0.4	-0.9	-0.3	10,579	10,516	10,415	9,678	9.3

^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, April Full Report, June 2, 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
	Apr. 2022 ^p	Mar. 2022 ^r	Feb. 2022	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2022 ^p	Mar. 2022 ^r	Feb. 2022	Apr. 2021	April 2022/ 2021
All manufacturing industries.....	786,052	781,702	770,905	0.6	1.4	0.7	791,073	784,560	775,049	713,927	10.8
Excluding transportation.....	629,109	625,885	616,885	0.5	1.5	0.9	634,216	629,366	620,481	564,457	12.4
Excluding defense.....	759,930	755,739	745,076	0.6	1.4	0.8	764,784	758,572	749,284	688,643	11.1
With unfilled orders.....	384,106	381,720	378,535	0.6	0.8	0.6	386,725	382,060	379,611	351,631	10.0
Durable goods industries.....	479,664	475,761	471,327	0.8	0.9	0.5	482,626	476,565	474,388	437,089	10.4
Wood products.....	14,728	14,526	14,358	1.4	1.2	0.8	14,800	14,927	14,898	13,481	9.8
Nonmetallic mineral products.....	15,618	15,347	15,351	1.8	0.0	0.8	15,913	15,648	15,636	14,327	11.1
Primary metals.....	38,893	38,415	38,162	1.2	0.7	1.1	39,263	38,430	38,515	32,824	19.6
Iron and steel mills.....	23,019	22,768	22,836	1.1	-0.3	-0.1	23,050	22,681	23,050	18,743	23.0
Aluminum and nonferrous metals.....	13,221	13,024	12,723	1.5	2.4	3.5	13,470	13,060	12,774	11,630	15.8
Ferrous metal foundries.....	2,653	2,623	2,603	1.1	0.8	0.5	2,743	2,689	2,691	2,451	11.9
Fabricated metal products.....	61,694	61,305	61,122	0.6	0.3	0.2	62,384	61,631	61,389	54,374	14.7
Machinery.....	81,153	80,479	79,268	0.8	1.5	1.2	81,903	81,484	79,903	70,349	16.4
Farm machinery.....	5,715	5,507	5,224	3.8	5.4	1.1	5,819	5,761	5,668	3,841	51.5
Construction machinery.....	6,889	6,843	6,667	0.7	2.6	1.6	7,070	7,044	6,690	5,581	26.7
Mining, oil field, and gas field machinery.....	6,009	5,948	5,919	1.0	0.5	1.8	6,021	5,872	5,990	5,698	5.7
Industrial machinery.....	10,295	10,262	10,082	0.3	1.8	1.9	10,001	10,615	9,996	8,670	15.4
Photographic equipment.....	1,395	1,379	1,383	1.2	-0.3	1.4	1,407	1,333	1,413	1,319	6.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,038	6,951	6,779	1.3	2.5	-0.8	7,499	7,376	7,003	6,336	18.4
Metalworking machinery.....	6,472	6,460	6,425	0.2	0.5	2.2	6,493	6,414	6,354	5,924	9.6
Turbines, generators, and other power transmission equipment.....	10,053	10,064	10,006	-0.1	0.6	1.3	10,214	10,054	9,979	8,981	13.7
Material handling equipment.....	6,610	6,573	6,594	0.6	-0.3	1.6	6,635	6,536	6,494	5,558	19.4
Computers and electronic products ²	51,682	51,426	51,148	0.5	0.5	-0.2	51,976	50,844	51,242	49,257	5.5
Computers.....	2,078	2,062	2,023	0.8	1.9	0.0	2,022	1,991	1,971	1,871	8.1
Computer storage devices.....	903	896	856	0.8	4.7	-1.3	856	819	868	848	0.9
Other peripheral equipment.....	820	816	823	0.5	-0.9	0.9	845	818	847	836	1.1
Nondefense communications equipment.....	4,740	4,688	4,603	1.1	1.8	0.1	4,752	4,582	4,596	4,456	6.6
Defense communications equipment.....	663	658	685	0.8	-3.9	1.9	663	658	685	670	-1.0
Audio and video equipment.....	1,000	1,011	992	-1.1	1.9	-2.0	1,034	1,052	975	903	14.5
Electronic components.....	10,038	9,979	10,025	0.6	-0.5	-1.5	10,425	10,044	10,158	10,187	2.3
Nondefense search and navigation equipment.....	3,294	3,277	3,244	0.5	1.0	0.3	3,303	3,236	3,225	3,075	7.4
Defense search and navigation equipment.....	2,843	2,837	2,837	0.2	0.0	-0.7	2,889	2,842	2,881	2,916	-0.9
Electromedical, measuring and control instruments.....	17,506	17,443	17,327	0.4	0.7	0.7	17,537	17,289	17,183	16,380	7.1
Electrical equipment, appliances, and components.....	22,534	22,212	22,012	1.4	0.9	1.2	23,010	22,415	22,352	19,737	16.6
Electric lighting equipment.....	2,034	2,051	2,108	-0.8	-2.7	-0.2	2,034	2,032	2,130	1,991	2.2
Household appliances.....	3,260	3,132	3,074	4.1	1.9	1.4	3,324	3,165	3,156	2,567	29.5
Electrical equipment.....	7,528	7,351	7,306	2.4	0.6	1.7	7,744	7,408	7,493	6,734	15.0
Batteries.....	1,659	1,645	1,605	0.9	2.5	0.3	1,712	1,712	1,550	1,586	7.9
Transportation equipment.....	156,943	155,817	154,020	0.7	1.2	0.1	156,857	155,194	154,568	149,470	4.9
Automobiles.....	6,544	6,467	6,521	1.2	-0.8	-3.0	6,416	6,320	6,555	5,339	20.2
Light trucks and utility vehicles.....	10,082	9,464	8,972	6.5	5.5	1.3	9,910	9,392	9,403	8,463	17.1
Heavy duty trucks	2,749	2,792	2,807	-1.5	-0.5	0.9	2,782	2,826	2,913	2,373	17.2
Motor vehicle bodies, parts, and trailers.....	32,124	31,934	31,557	0.6	1.2	0.3	32,520	32,137	31,728	29,297	11.0
Nondefense aircraft and parts.....	76,269	76,194	75,515	0.1	0.9	0.5	75,947	75,570	75,401	76,201	-0.3
Defense aircraft and parts.....	12,764	12,736	12,668	0.2	0.5	-1.2	12,839	12,681	12,684	12,459	3.1
Ships and boats.....	4,312	4,241	4,122	1.7	2.9	-0.2	4,356	4,308	4,018	3,766	15.7
Furniture and related products.....	9,728	9,596	9,441	1.4	1.6	1.5	9,726	9,537	9,496	8,106	20.0
Miscellaneous durable goods.....	26,691	26,638	26,445	0.2	0.7	0.4	26,794	26,455	26,389	25,164	6.5
Nondurable goods industries.....	306,388	305,941	299,578	0.1	2.1	1.1	308,447	307,995	300,661	276,838	11.4
Food products.....	62,487	62,367	61,616	0.2	1.2	0.9	61,573	61,649	61,722	57,944	6.3
Grain and oilseed milling.....	7,835	7,772	7,447	0.8	4.4	3.5	7,804	7,823	7,645	6,617	17.9
Dairy products.....	9,171	9,046	8,928	1.4	1.3	1.2	9,396	9,138	8,913	8,608	9.2
Meat, poultry, and seafood products.....	10,626	10,566	10,445	0.6	1.2	1.2	10,598	10,636	10,589	10,229	3.6
Beverage and tobacco products.....	28,051	27,870	27,802	0.6	0.2	0.7	28,408	28,034	28,272	26,720	6.3
Beverages.....	24,342	24,192	24,112	0.6	0.3	0.6	24,687	24,257	24,395	23,169	6.6
Tobacco.....	3,709	3,678	3,690	0.8	-0.3	1.3	3,721	3,777	3,877	3,551	4.8
Textile mills.....	3,442	3,409	3,396	1.0	0.4	1.2	3,480	3,418	3,425	3,039	14.5
Textile products.....	4,234	4,169	4,182	1.6	-0.3	0.8	4,214	4,175	4,243	3,776	11.6
Apparel.....	2,111	2,073	2,040	1.8	1.6	2.6	2,123	2,004	1,996	1,817	16.8
Leather and allied products.....	1,034	1,008	971	2.6	3.8	3.6	1,055	1,006	969	880	19.9
Paper products.....	16,341	16,256	16,231	0.5	0.2	0.9	16,369	16,244	16,326	15,316	6.9
Pulp, paper, and paperboard mills.....	4,888	4,895	4,893	-0.1	0.0	0.1	4,929	4,948	4,956	4,850	1.6
Paperboard containers.....	5,941	5,892	5,885	0.8	0.1	1.4	5,869	5,855	5,915	5,397	8.7
Printing.....	6,278	6,355	6,260	-1.2	1.5	0.6	6,291	6,355	6,251	5,916	6.3
Petroleum and coal products.....	48,535	49,410	45,516	-1.8	8.6	4.1	50,167	50,735	44,812	36,712	36.7
Petroleum refineries.....	42,275	42,897	39,134	-1.4	9.6	4.3	43,832	44,153	38,318	31,553	38.9
Chemical products.....	102,755	102,231	101,295	0.5	0.9	0.4	103,399	103,294	101,825	97,052	6.5
Pesticides, fertilizers, and other agricultural chemicals.....	6,189	6,001	5,956	3.1	0.8	0.6	6,375	6,401	6,467	5,642	13.0
Pharmaceuticals and medicines.....	43,354	43,458	43,070	-0.2	0.9	-0.7	43,530	43,802	42,554	43,863	-0.8
Paints, coatings, and adhesives.....	4,742	4,626	4,511	2.5	2.5	1.0	4,935	4,788	4,666	3,853	28.1
Plastics and rubber products.....	31,120	30,793	30,269	1.1	1.7	-0.2	31,368	31,081	30,820	27,666	13.4

^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.

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, April Full Report, June 2, 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
	Apr. 2022 ^p	Mar. 2022 ^r	Feb. 2022	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2022 ^p	Mar. 2022 ^r	Feb. 2022	Apr. 2021	2022 ^p	2021	
SHIPMENTS													
All manufacturing industries.....	532,061	531,180	519,899	0.2	2.2	0.8	530,355	568,556	482,953	469,542	2,054,433	1,824,754	12.6
Construction materials and supplies.....	61,322	61,598	61,303	-0.4	0.5	0.5	62,330	63,352	54,788	57,463	233,607	209,184	11.7
Information technology.....	24,419	24,224	24,277	0.8	-0.2	1.6	22,643	26,691	21,803	21,393	91,844	86,213	6.5
Computers and related products.....	1,833	1,845	1,837	-0.7	0.4	3.9	1,600	2,028	1,445	1,586	6,613	6,384	3.6
Motor vehicle and parts.....	57,416	57,465	55,000	-0.1	4.5	-0.6	57,658	65,873	53,795	49,033	226,418	208,098	8.8
Capital goods.....	92,086	91,745	91,548	0.4	0.2	0.4	88,586	102,159	84,690	82,164	354,568	319,602	10.9
Nondefense capital goods ³	78,505	77,948	77,615	0.7	0.4	0.3	75,661	86,898	71,191	69,392	301,337	269,272	11.9
Excluding aircraft.....	72,157	71,569	71,388	0.8	0.3	0.8	69,734	79,483	66,491	63,200	278,587	248,772	12.0
Defense capital goods ⁴	13,581	13,797	13,933	-1.6	-1.0	0.8	12,925	15,261	13,499	12,772	53,231	50,330	5.8
Consumer goods.....	225,976	225,830	216,521	0.1	4.3	1.4	226,645	238,690	200,303	190,264	864,027	748,994	15.4
Consumer durable goods.....	43,045	43,422	41,215	-0.9	5.4	-0.3	42,777	49,668	39,628	37,029	167,738	158,492	5.8
Consumer nondurable goods.....	182,931	182,408	175,306	0.3	4.1	1.9	183,868	189,022	160,675	153,235	696,289	590,502	17.9
NEW ORDERS													
All manufacturing industries ⁵	533,188	531,412	522,118	0.3	1.8	0.3	529,462	574,394	488,963	469,768	2,076,508	1,845,057	12.5
Construction materials and supplies.....	61,849	61,754	61,439	0.2	0.5	-0.2	63,889	64,888	55,622	61,203	238,956	222,088	7.6
Information technology.....	24,675	24,690	23,795	-0.1	3.8	-2.1	22,824	28,178	21,747	22,023	93,919	90,164	4.2
Computers and related products.....	1,834	1,847	1,833	-0.7	0.8	4.4	1,601	2,030	1,441	1,571	6,600	6,376	3.5
Motor vehicle and parts.....	57,780	57,872	55,194	-0.2	4.9	-0.4	57,466	66,089	54,525	49,025	227,647	209,969	8.4
Capital goods.....	96,860	96,113	97,707	0.8	-1.6	-2.2	90,989	110,060	92,605	82,905	385,587	337,998	14.1
Nondefense capital goods ³	83,482	83,064	83,414	0.5	-0.4	-4.1	79,558	92,344	79,509	71,774	333,412	282,422	18.1
Excluding aircraft.....	73,154	72,857	72,038	0.4	1.1	-0.2	71,180	81,019	69,086	66,870	288,327	261,962	10.1
Defense capital goods ⁴	13,378	13,049	14,293	2.5	-8.7	10.6	11,431	17,716	13,096	11,131	52,175	55,576	-6.1
Consumer goods.....	225,867	225,614	216,803	0.1	4.1	1.7	226,474	238,653	200,341	190,563	863,901	750,410	15.1
Consumer durable goods.....	42,936	43,206	41,497	-0.6	4.1	0.7	42,606	49,631	39,666	37,328	167,612	159,908	4.8
Consumer nondurable goods.....	182,931	182,408	175,306	0.3	4.1	1.9	183,868	189,022	160,675	153,235	696,289	590,502	17.9
UNFILLED ORDERS													
All manufacturing industries ⁵	1,106,775	1,100,794	1,095,638	0.5	0.5	0.7	1,115,069	1,111,663	1,101,481	1,034,864	(X)	(X)	7.8
Construction materials and supplies.....	88,861	88,334	88,178	0.6	0.2	0.2	90,210	88,651	87,115	76,982	(X)	(X)	17.2
Information technology.....	142,333	142,077	141,611	0.2	0.3	-0.3	143,486	143,305	141,818	135,212	(X)	(X)	6.1
Computers and related products.....	1,206	1,205	1,203	0.1	0.2	-0.3	1,206	1,205	1,203	1,369	(X)	(X)	-11.9
Motor vehicle and parts.....	28,552	28,188	27,781	1.3	1.5	0.7	28,976	29,168	28,952	25,572	(X)	(X)	13.3
Capital goods.....	806,044	801,270	796,902	0.6	0.5	0.8	811,190	808,787	800,886	754,140	(X)	(X)	7.6
Nondefense capital goods ³	620,205	615,228	610,112	0.8	0.8	1.0	623,703	619,806	614,360	559,989	(X)	(X)	11.4
Excluding aircraft.....	263,463	262,466	261,178	0.4	0.5	0.2	266,034	264,588	263,052	244,041	(X)	(X)	9.0
Defense capital goods ⁴	185,839	186,042	186,790	-0.1	-0.4	0.2	187,487	188,981	186,526	194,151	(X)	(X)	-3.4
Consumer goods.....	11,403	11,512	11,728	-0.9	-1.8	2.5	11,369	11,540	11,577	10,986	(X)	(X)	3.5
Consumer durable goods.....	11,403	11,512	11,728	-0.9	-1.8	2.5	11,369	11,540	11,577	10,986	(X)	(X)	3.5
TOTAL INVENTORIES													
All manufacturing industries.....	786,052	781,702	770,905	0.6	1.4	0.7	791,073	784,560	775,049	713,927	(X)	(X)	10.8
Construction materials and supplies.....	84,566	83,913	83,587	0.8	0.4	0.4	86,046	85,309	84,971	75,558	(X)	(X)	13.9
Information technology.....	43,405	43,210	42,799	0.5	1.0	0.5	43,614	42,826	42,780	40,234	(X)	(X)	8.4
Computers and related products.....	3,801	3,774	3,702	0.7	1.9	-0.1	3,723	3,628	3,686	3,555	(X)	(X)	4.7
Motor vehicle and parts.....	51,499	50,657	49,857	1.7	1.6	0.1	51,628	50,675	50,599	45,472	(X)	(X)	13.5
Capital goods.....	232,357	231,107	228,609	0.5	1.1	0.8	232,727	230,664	228,812	214,678	(X)	(X)	8.4
Nondefense capital goods ³	210,167	209,095	206,694	0.5	1.2	0.9	210,445	208,572	206,977	193,266	(X)	(X)	8.9
Excluding aircraft.....	144,326	143,355	141,611	0.7	1.2	1.1	145,157	143,548	142,093	128,334	(X)	(X)	13.1
Defense capital goods ⁴	22,190	22,012	21,915	0.8	0.4	-0.8	22,282	22,092	21,835	21,412	(X)	(X)	4.1
Consumer goods.....	240,169	239,736	233,815	0.2	2.5	1.1	241,185	240,446	233,842	215,821	(X)	(X)	11.8
Consumer durable goods.....	42,798	41,832	41,109	2.3	1.8	0.4	42,632	41,595	41,820	36,769	(X)	(X)	15.9
Consumer nondurable goods.....	197,371	197,904	192,706	-0.3	2.7	1.2	198,553	198,851	192,022	179,052	(X)	(X)	10.9

^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, April Full Report, June 2, 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
	Apr. 2022 ^p	Mar. 2022 ^r	Feb. 2022	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2022 ^p	Mar. 2022 ^r	Feb. 2022	Apr. 2021	April 2022/ 2021
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries.....	287,121	284,036	277,613	1.1	2.3	0.6	288,261	285,074	279,327	249,842	15.4
Durable goods industries.....	175,745	173,626	171,826	1.2	1.0	0.9	175,994	173,463	172,174	150,829	16.7
Wood products.....	6,490	6,364	6,255	2.0	1.7	1.6	6,335	6,396	6,473	5,650	12.1
Nonmetallic mineral products.....	6,836	6,667	6,653	2.5	0.2	1.7	6,879	6,709	6,682	6,019	14.3
Primary metals.....	14,391	14,092	13,701	2.1	2.9	5.0	14,225	13,794	13,691	11,445	24.3
Fabricated metal products.....	25,571	25,487	25,454	0.3	0.1	0.4	25,498	25,393	25,386	20,855	22.3
Machinery.....	35,083	34,346	33,827	2.1	1.5	1.0	35,274	34,518	33,752	29,156	21.0
Computers and electronic products.....	23,770	23,707	23,785	0.3	-0.3	1.2	23,880	23,510	23,650	21,409	11.5
Electrical equipment, appliances, and components.....	10,556	10,337	10,255	2.1	0.8	1.7	10,730	10,383	10,350	8,723	23.0
Transportation equipment.....	39,539	39,238	38,596	0.8	1.7	-1.1	39,673	39,495	38,962	35,499	11.8
Furniture and related products.....	4,764	4,705	4,645	1.3	1.3	3.2	4,787	4,708	4,678	3,897	22.8
Miscellaneous products.....	8,745	8,683	8,655	0.7	0.3	0.2	8,713	8,557	8,550	8,176	6.6
Nondurable goods industries.....	111,376	110,410	105,787	0.9	4.4	0.1	112,267	111,611	107,153	99,013	13.4
Food products.....	23,972	23,747	23,516	0.9	1.0	0.1	23,679	23,718	23,704	22,501	5.2
Beverage and tobacco products.....	5,832	5,925	5,736	-1.6	3.3	0.2	5,896	6,009	6,410	6,013	-1.9
Textiles.....	1,349	1,346	1,343	0.2	0.2	0.7	1,369	1,354	1,345	1,229	11.4
Textile products.....	1,496	1,483	1,491	0.9	-0.5	1.6	1,487	1,485	1,506	1,342	10.8
Apparel.....	695	692	689	0.4	0.4	2.7	695	678	676	604	15.1
Leather and allied products.....	349	341	335	2.3	1.8	3.4	352	338	335	280	25.7
Paper products.....	8,463	8,397	8,398	0.8	0.0	1.0	8,414	8,392	8,470	7,640	10.1
Printing	3,283	3,344	3,268	-1.8	2.3	1.2	3,257	3,317	3,244	2,902	12.2
Petroleum and coal products.....	16,297	16,006	12,920	1.8	23.9	-3.2	17,230	16,944	13,092	12,759	35.0
Chemical products.....	35,703	35,378	34,711	0.9	1.9	1.1	35,977	35,722	34,917	32,047	12.3
Plastics and rubber products.....	13,937	13,751	13,380	1.4	2.8	-0.6	13,911	13,654	13,454	11,696	18.9
<u>WORK IN PROCESS</u>											
All manufacturing industries.....	223,620	223,425	220,836	0.1	1.2	1.0	224,260	223,554	220,702	209,926	6.8
Durable goods industries.....	171,780	171,311	169,920	0.3	0.8	0.5	172,253	171,361	170,084	163,030	5.7
Wood products.....	2,110	2,078	2,061	1.5	0.8	-1.1	2,114	2,142	2,130	1,882	12.3
Nonmetallic mineral products.....	1,489	1,475	1,485	0.9	-0.7	-0.5	1,552	1,524	1,527	1,525	1.8
Primary metals.....	12,824	12,848	12,739	-0.2	0.9	-0.1	13,089	12,893	12,666	11,343	15.4
Fabricated metal products.....	14,542	14,346	14,315	1.4	0.2	0.0	14,736	14,418	14,381	13,557	8.7
Machinery.....	22,814	23,072	22,676	-1.1	1.7	2.3	22,866	23,320	22,932	18,493	23.6
Computers and electronic products.....	13,834	13,733	13,722	0.7	0.1	-1.7	14,124	13,737	13,858	14,314	-1.3
Electrical equipment, appliances, and components.....	4,163	4,132	4,066	0.8	1.6	0.7	4,264	4,152	4,093	3,829	11.4
Transportation equipment.....	94,157	93,904	93,203	0.3	0.8	0.6	93,664	93,506	92,826	92,873	0.9
Furniture and related products.....	1,349	1,319	1,303	2.3	1.2	-0.3	1,330	1,313	1,315	1,179	12.8
Miscellaneous products.....	4,498	4,404	4,350	2.1	1.2	0.6	4,514	4,356	4,356	4,035	11.9
Nondurable goods industries.....	51,840	52,114	50,916	-0.5	2.4	2.7	52,007	52,193	50,618	46,896	10.9
Food products.....	6,103	6,212	6,022	-1.8	3.2	2.1	5,821	6,030	6,067	5,443	6.9
Beverage and tobacco products.....	8,782	8,751	8,959	0.4	-2.3	0.6	8,789	8,768	8,938	8,747	0.5
Textiles.....	612	615	611	-0.5	0.7	0.0	620	615	616	561	10.5
Textile products.....	447	444	453	0.7	-2.0	0.0	447	444	461	409	9.3
Apparel.....	272	269	267	1.1	0.7	-2.2	277	265	263	277	0.0
Leather and allied products.....	114	116	118	-1.7	-1.7	0.9	116	118	120	120	-3.3
Paper products.....	1,447	1,446	1,430	0.1	1.1	0.6	1,453	1,445	1,419	1,365	6.4
Printing	1,211	1,212	1,212	-0.1	0.0	0.1	1,234	1,244	1,236	1,136	8.6
Petroleum and coal products.....	13,325	13,586	12,665	-1.9	7.3	7.3	13,721	13,883	12,561	9,302	47.5
Chemical products.....	16,012	15,949	15,686	0.4	1.7	1.8	15,994	15,834	15,405	16,105	-0.7
Plastics and rubber products.....	3,515	3,514	3,493	0.0	0.6	0.3	3,535	3,547	3,532	3,431	3.0
<u>FINISHED GOODS</u>											
All manufacturing industries.....	275,311	274,241	272,456	0.4	0.7	0.7	278,552	275,932	275,020	254,159	9.6
Durable goods industries.....	132,139	130,824	129,581	1.0	1.0	0.0	134,379	131,741	132,130	123,230	9.0
Wood products.....	6,128	6,084	6,042	0.7	0.7	0.5	6,351	6,389	6,295	5,949	6.8
Nonmetallic mineral products.....	7,293	7,205	7,213	1.2	-0.1	0.2	7,482	7,415	7,427	6,783	10.3
Primary metals.....	11,678	11,475	11,722	1.8	-2.1	-1.7	11,949	11,743	12,158	10,036	19.1
Fabricated metal products.....	21,581	21,472	21,353	0.5	0.6	0.2	22,150	21,820	21,622	19,962	11.0
Machinery.....	23,256	23,061	22,765	0.8	1.3	0.5	23,763	23,646	23,219	22,700	4.7
Computers and electronic products.....	14,078	13,986	13,641	0.7	2.5	-0.8	13,972	13,597	13,734	13,534	3.2
Electrical equipment, appliances, and components.....	7,815	7,743	7,691	0.9	0.7	0.8	8,016	7,880	7,909	7,185	11.6
Transportation equipment.....	23,247	22,675	22,221	2.5	2.0	0.2	23,520	22,193	22,780	21,098	11.5
Furniture and related products.....	3,615	3,572	3,493	1.2	2.3	-0.2	3,609	3,516	3,503	3,030	19.1
Miscellaneous products.....	13,448	13,551	13,440	-0.8	0.8	0.5	13,567	13,542	13,483	12,953	4.7
Nondurable goods industries.....	143,172	143,417	142,875	-0.2	0.4	1.3	144,173	144,191	142,890	130,929	10.1
Food products.....	32,412	32,408	32,078	0.0	1.0	1.3	32,073	31,901	31,951	30,000	6.9
Beverage and tobacco products.....	13,437	13,194	13,107	1.8	0.7	1.0	13,723	13,257	12,924	11,960	14.7
Textiles.....	1,481	1,448	1,442	2.3	0.4	2.1	1,491	1,449	1,464	1,249	19.4
Textile products.....	2,291	2,242	2,238	2.2	0.2	0.4	2,280	2,246	2,276	2,025	12.6
Apparel.....	1,144	1,112	1,084	2.9	2.6	3.8	1,151	1,061	1,057	936	23.0
Leather and allied products.....	571	551	518	3.6	6.4	4.4	587	550	514	480	22.3
Paper products.....	6,431	6,413	6,403	0.3	0.2	0.7	6,502	6,407	6,437	6,311	3.0
Printing	1,784	1,799	1,780	-0.8	1.1	-0.1	1,800	1,794	1,771	1,878	-4.2
Petroleum and coal products.....	18,913	19,818	19,931	-4.6	-0.6	7.4	19,216	19,908	19,159	14,651	31.2
Chemical products.....	51,040	50,904	50,898	0.3	0.0	-0.4	51,428	51,738	51,503	48,900	5.2
Plastics and rubber products.....	13,668	13,528	13,396	1.0	1.0	-0.1	13,922	13,880	13,834	12,539	11.0

^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.

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, April Full Report, June 2, 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			
	Apr 2022 ^p	Mar 2022 ^r	Feb 2022	Jan 2022	Apr 2022 ^p	Mar 2022 ^r	Feb 2022	Jan 2022
All manufacturing industries ³	1.48	1.47	1.48	1.48	(X)	(X)	(X)	(X)
Durable goods industries ³	1.81	1.80	1.81	1.81	6.07	6.06	6.07	6.05
Wood products.....	1.12	1.10	1.09	1.11	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.25	1.23	1.23	1.22	(X)	(X)	(X)	(X)
Primary metals.....	1.86	1.85	1.91	1.89	1.50	1.51	1.56	1.56
Fabricated metal products.....	1.69	1.67	1.68	1.69	3.31	3.29	3.31	3.33
Machinery.....	2.19	2.18	2.17	2.12	3.83	3.83	3.82	3.82
Computers and electronic products ³	1.82	1.82	1.81	1.83	6.39	6.45	6.38	6.46
Electrical equipment, appliances, and components.....	1.71	1.67	1.69	1.71	3.17	3.12	3.14	3.18
Transportation equipment.....	1.90	1.89	1.91	1.91	12.36	12.35	12.31	12.12
Furniture and related products.....	1.59	1.57	1.55	1.54	1.94	1.95	1.97	2.00
Miscellaneous products.....	1.91	1.92	1.91	1.91	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.14	1.15	1.15	1.16	(X)	(X)	(X)	(X)
Food products.....	0.82	0.83	0.83	0.82	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.81	1.79	1.86	1.84	(X)	(X)	(X)	(X)
Textiles.....	1.48	1.48	1.46	1.46	(X)	(X)	(X)	(X)
Textile products.....	2.14	2.10	2.11	2.10	(X)	(X)	(X)	(X)
Apparel.....	2.81	2.77	2.79	2.74	(X)	(X)	(X)	(X)
Leather and allied products.....	2.33	2.36	2.43	2.43	(X)	(X)	(X)	(X)
Paper products.....	1.00	0.99	0.99	0.99	(X)	(X)	(X)	(X)
Printing.....	0.94	0.95	0.95	0.95	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.81	0.83	0.84	0.85	(X)	(X)	(X)	(X)
Chemical products.....	1.57	1.56	1.55	1.54	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.38	1.38	1.37	1.37	(X)	(X)	(X)	(X)

^x Not Applicable

^p Preliminary

^r 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, April Full Report, June 2, 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	
	Apr ² 2022	Apr ³ 2021-Mar 2022	Apr ² 2022	Apr ³ 2021-Mar 2022	Apr ² 2022	Apr ³ 2021-Mar 2022	Apr ² 2022	Apr ³ 2021-Mar 2022
All manufacturing industries.....	(X)	0.2	(X)	0.4	(X)	0.1	(X)	0.1
Durable goods industries.....	0.0	0.2	0.1	0.6	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.1	0.5	0.2	0.9	0.0	0.3	0.1	0.2
Fabricated metal products.....	0.0	0.2	0.0	0.5	0.0	0.2	0.1	0.1
Machinery.....	0.1	0.3	0.0	0.6	0.0	0.1	0.0	0.3
Computers and electronic products.....	0.0	0.2	0.0	0.3	0.0	0.1	0.0	0.1
Electrical equipment, appliances, and components.....	-0.2	0.2	-0.1	1.0	0.0	0.3	0.0	0.4
Transportation equipment.....	0.0	0.6	0.1	1.7	0.0	0.2	0.0	0.1
Furniture and related products.....	(X)	0.4	(X)	0.7	(X)	0.4	(X)	0.3
Miscellaneous products.....	(X)	0.4	(X)	0.4	(X)	0.4	(X)	0.1
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Beverage and tobacco products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.6
Leather and allied products.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.4
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.3

X Not Applicable

NA Not Available

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

² The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

³ The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

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

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