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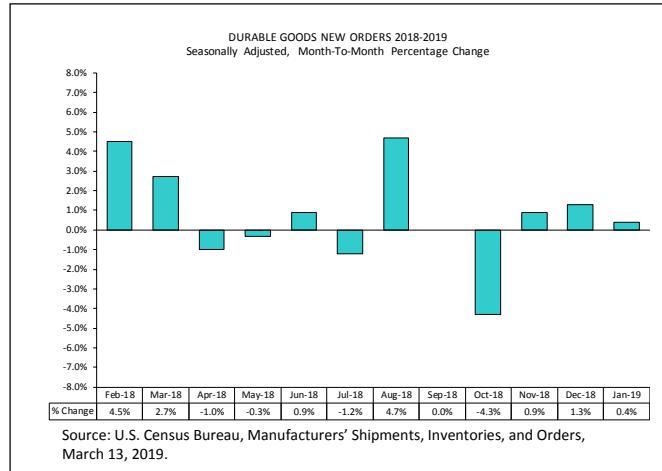
MONTHLY ADVANCE REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS JANUARY 2019

Release Number: CB 19-27 M3-1 (19)-01

March 13, 2019 — The U.S. Census Bureau announces the January advance report on manufacturers' shipments, inventories and orders:

DURABLE GOODS – NEW ORDERS		
JANUARY 2019	\$255.3 billion	+0.4%
DECEMBER 2018 (revised)	\$254.4 billion	+1.3%

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, March 13, 2019.



New Orders

New orders for manufactured durable goods in January increased \$0.9 billion or 0.4 percent to \$255.3 billion, the U.S. Census Bureau announced today. This increase, up three consecutive months, followed a 1.3 percent December increase. Excluding transportation, new orders decreased 0.1 percent. Excluding defense, new orders increased 0.7 percent. Transportation equipment, up five of the last six months, drove the increase, \$1.0 billion or 1.2 percent to \$90.9 billion.

Shipments

Shipments of manufactured durable goods in January, down following two consecutive monthly increases, decreased \$1.3 billion or 0.5 percent to \$257.9 billion. This followed a 0.7 percent December increase. Transportation equipment, also down following two consecutive monthly increases, drove the decrease, \$1.3 billion or 1.4 percent to \$90.0 billion.

Data Inquiries

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Unfilled Orders

Unfilled orders for manufactured durable goods in January, up following three consecutive monthly decreases, increased \$1.4 billion or 0.1 percent to \$1,181.9 billion. This followed a 0.1 percent December decrease. Transportation equipment, also up following three consecutive monthly decreases, led the increase, \$0.9 billion or 0.1 percent to \$811.6 billion.

Inventories

Inventories of manufactured durable goods in January, up twenty-four of the last twenty-five months, increased \$1.7 billion or 0.4 percent to \$417.0 billion. This followed a 0.3 percent December increase. Transportation equipment, up four of the last five months, led the increase, \$1.2 billion or 0.9 percent to \$132.6 billion.

Capital Goods

Nondefense new orders for capital goods in January increased \$2.0 billion or 2.5 percent to \$80.3 billion. Shipments decreased \$1.3 billion or 1.6 percent to \$78.4 billion. Unfilled orders increased \$1.9 billion or 0.3 percent to \$711.0 billion. Inventories increased \$0.9 billion or 0.5 percent to \$182.8 billion. Defense new orders for capital goods in January decreased \$0.3 billion or 2.3 percent to \$12.5 billion. Shipments increased \$0.4 billion or 3.4 percent to \$13.0 billion. Unfilled orders decreased \$0.5 billion or 0.3 percent to \$156.0 billion. Inventories increased \$0.4 billion or 1.6 percent to \$23.0 billion.

Revised December Data

Revised seasonally adjusted December figures for all manufacturing industries were: new orders, \$500.1 billion (revised from \$499.9 billion); shipments, \$504.9 billion (unchanged); unfilled orders, \$1,180.5 billion (revised from \$1,180.3 billion) and total inventories, \$681.8 billion (revised from \$681.5 billion).

The U.S. Census Bureau updated its 2019 economic indicator release calendar to include January-March 2019 releases following the recent lapse in federal funding. Please refer to <www.census.gov/economic-indicators> for the latest information on the rescheduled release dates.

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.

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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 64 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census, and these companies include almost two-thirds of the manufacturing companies with \$500 million or more in shipments in the 2012 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 57 percent of the total value of shipments for manufacturing establishments in the 2012 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 survey documentation can be found on our web site:

[<www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>](http://www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html).

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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/

NEW TIME SERIES

Beginning with the release of June 2018 data on July 26, 2018, historical estimates of the Monthly Advance Report on Manufacturers' Shipments, Inventories and Orders are available on a seasonally adjusted basis as well as a not seasonally adjusted basis at: <https://www.census.gov/econ/currentdata/>.

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.

Notice of Revisions and Changes Due to Updated Seasonal Adjustment Models

On May 16, 2019, monthly seasonally adjusted data for Manufacturers' Shipments, Inventories, and Orders, based on the North American Industry Classification System, will be revised for January 2002 through March 2019. There will be no accompanying press release containing revised seasonally adjusted data for January through March of 2019, and historical data not seasonally adjusted will be unchanged. These revisions to the historical seasonally adjusted data will be based on the results of the recent annual review of the seasonal adjustment models. Based on this review, the lists of series that are seasonally adjusted and not seasonally adjusted will be updated. Three unfilled orders series and one total inventories series that have been adjusted will no longer be seasonally adjusted. Conversely, two stage of fabrication series that have not been adjusted will now be seasonally adjusted. These changes will be implemented on May 16, 2019 and will also be used to produce seasonally adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey, beginning with the April 2019 Advance Report on Durable Goods scheduled for release on May 24, 2019 and the full report scheduled for release on June 4, 2019.

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Table 1. Durable Goods Manufacturers' Shipments and New Orders¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Item	Seasonally Adjusted						Not Seasonally Adjusted					
	Monthly			Percent Change			Monthly			Year to Date		
	Jan 2019 ²	Dec 2018 ³	Nov 2018	Dec - Jan ²	Nov - Dec ¹	Oct - Nov	Jan 2019 ²	Dec 2018 ³	Jan 2018	2019	2018	Percent Change 2019/2018
DURABLE GOODS												
Total:												
Shipments.....	257,892	259,149	257,418	-0.5	0.7	1.0	233,351	252,875	220,350	233,351	220,350	5.9
New Orders ⁴	255,273	254,381	251,197	0.4	1.3	0.9	230,967	256,933	214,186	230,967	214,186	7.8
Excluding transportation:												
Shipments.....	167,921	167,884	167,539	0.0	0.2	0.2	154,041	163,523	148,132	154,041	148,132	4.0
New Orders ⁵	164,386	164,531	164,049	-0.1	0.3	-0.2	153,370	158,817	147,938	153,370	147,938	3.7
Excluding defense:												
Shipments.....	242,755	244,794	243,499	-0.8	0.5	1.1	220,919	236,705	209,407	220,919	209,407	5.5
New Orders ⁵	241,513	239,878	234,677	0.7	2.2	-0.1	220,667	237,578	206,128	220,667	206,128	7.1
Manufacturing with unfilled orders:												
Shipments.....	179,990	180,307	179,492	-0.2	0.5	1.4	162,035	179,753	152,274	162,035	152,274	6.4
New Orders.....	181,370	179,596	177,404	1.0	1.2	1.4	164,403	187,522	150,987	164,403	150,987	8.9
Primary metals:												
Shipments.....	21,375	21,531	21,852	-0.7	-1.5	0.9	21,138	19,037	19,713	21,138	19,713	7.2
New Orders.....	21,447	21,777	21,778	-1.5	0.0	1.7	21,288	19,618	20,226	21,288	20,226	5.3
Fabricated metal products:												
Shipments.....	33,963	33,826	33,411	0.4	1.2	0.9	31,934	30,853	29,939	31,934	29,939	6.7
New Orders.....	34,472	34,477	33,961	0.0	1.5	1.8	33,380	30,623	31,299	33,380	31,299	6.6
Machinery:												
Shipments.....	33,132	32,926	32,928	0.6	0.0	-0.3	29,692	33,081	28,540	29,692	28,540	4.0
New Orders.....	32,995	32,555	32,760	1.4	-0.6	-2.0	31,364	31,666	30,541	31,364	30,541	2.7
Computers and electronic products⁴:												
Shipments.....	27,732	27,711	27,688	0.1	0.1	1.1	24,720	31,483	23,780	24,720	23,780	4.0
New Orders.....	23,716	24,040	24,138	-1.3	-0.4	0.1	20,225	28,810	19,357	20,225	19,357	4.5
Computers and related products:												
Shipments.....	1,863	1,764	1,863	5.6	-5.3	-2.9	1,496	2,337	1,469	1,496	1,469	1.8
New Orders.....	1,902	1,768	1,922	7.6	-8.0	-1.3	1,535	2,341	1,476	1,535	1,476	4.0
Communications equipment:												
Shipments.....	3,750	3,750	3,662	0.0	2.4	1.6	2,952	4,979	2,699	2,952	2,699	9.4
New Orders.....	3,705	3,568	3,755	3.8	-5.0	-0.9	2,917	4,734	2,835	2,917	2,835	2.9
Electrical equipment, appliances, and components:												
Shipments.....	11,458	11,454	11,397	0.0	0.5	-1.0	10,324	11,067	9,851	10,324	9,851	4.8
New Orders.....	11,437	11,242	11,269	1.7	-0.2	-2.6	10,757	10,800	10,059	10,757	10,059	6.9
Transportation equipment:												
Shipments.....	89,971	91,265	89,879	-1.4	1.5	2.5	79,310	89,352	72,218	79,310	72,218	9.8
New Orders.....	90,887	89,850	87,148	1.2	3.1	3.1	77,597	98,116	66,248	77,597	66,248	17.1
Motor vehicles and parts:												
Shipments.....	61,287	62,105	60,872	-1.3	2.0	0.2	56,577	55,041	51,938	56,577	51,938	8.9
New Orders.....	61,502	62,114	60,903	-1.0	2.0	0.1	56,700	55,984	51,773	56,700	51,773	9.5
Nondefense aircraft and parts:												
Shipments.....	13,443	14,968	15,034	-10.2	-0.4	17.3	10,320	18,979	9,626	10,320	9,626	7.2
New Orders.....	15,690	13,534	9,973	15.9	35.7	4.5	10,701	24,166	6,646	10,701	6,646	61.0
Defense aircraft and parts:												
Shipments.....	5,249	4,716	4,507	11.3	4.6	-4.8	4,037	5,576	3,388	4,037	3,388	19.2
New Orders.....	4,641	4,442	6,682	4.5	-33.5	29.0	3,946	6,529	2,739	3,946	2,739	44.1
All other durable goods:												
Shipments.....	40,261	40,436	40,263	-0.4	0.4	-0.8	36,233	38,002	36,309	36,233	36,309	-0.2
New Orders.....	40,319	40,440	40,143	-0.3	0.7	-1.0	36,356	37,300	36,456	36,356	36,456	-0.3
Capital goods³:												
Shipments.....	91,350	92,184	91,546	-0.9	0.7	2.0	78,597	101,300	74,285	78,597	74,285	5.8
New Orders.....	92,826	91,151	89,263	1.8	2.1	2.8	79,675	107,419	70,991	79,675	70,991	12.2
Nondefense capital goods:												
Shipments.....	78,364	79,624	79,557	-1.6	0.1	2.4	67,930	87,379	65,020	67,930	65,020	4.5
New Orders.....	80,311	78,336	75,002	2.5	4.4	0.2	69,765	90,416	64,349	69,765	64,349	8.4
Excluding aircraft:												
Shipments.....	69,456	68,918	68,865	0.8	0.1	-0.2	61,979	72,889	59,454	61,979	59,454	4.2
New Orders.....	68,804	68,275	68,895	0.8	-0.9	-1.1	63,412	70,790	61,498	63,412	61,498	3.1
Defense capital goods:												
Shipments.....	12,986	12,560	11,989	3.4	4.8	-0.8	10,667	13,921	9,265	10,667	9,265	15.1
New Orders.....	12,515	12,815	14,261	-2.3	-10.1	18.7	9,910	17,003	6,642	9,910	6,642	49.2

¹ Revised data due to late receipts and concurrent seasonal adjustment.² 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.³ Based on advance sample. 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.html>.³ The Capital Goods Industries include Nondefense : 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. Defense Capital Goods include : small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.⁴ Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.

Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Item	Seasonally Adjusted						Not Seasonally Adjusted			Percent Change 2019/2018	
	Monthly		Percent Change			Monthly					
	Jan 2019 ²	Dec 2018 ^r	Nov 2018	Dec - Jan ²	Nov - Dec ^r	Oct - Nov	Jan 2019 ²	Dec 2018 ^r	Jan 2018		
DURABLE GOODS											
Total:											
Unfilled Orders ⁴	1,181,865	1,180,485	1,181,196	0.1	-0.1	-0.2	1,181,994	1,179,626	1,135,125	4.1	
Total Inventories.....	417,031	415,316	414,011	0.4	0.3	0.5	416,745	404,929	397,366	4.9	
Excluding transportation:											
Unfilled Orders ⁴	370,242	369,778	369,074	0.1	0.2	0.2	367,110	363,029	351,256	4.5	
Total Inventories.....	284,433	283,944	282,586	0.2	0.5	0.6	284,073	277,145	269,205	5.5	
Excluding defense:											
Unfilled Orders ⁴	984,556	981,799	982,658	0.3	-0.1	-0.5	983,785	979,285	957,829	2.7	
Total Inventories.....	389,639	388,310	386,767	0.3	0.4	0.5	389,492	378,091	370,700	5.1	
Manufacturing with unfilled orders:											
Unfilled Orders.....	1,181,865	1,180,485	1,181,196	0.1	-0.1	-0.2	1,181,994	1,179,626	1,135,125	4.1	
Total Inventories.....	339,603	338,306	336,924	0.4	0.4	0.4	338,652	329,663	322,695	4.9	
Primary metals:											
Unfilled Orders.....	31,662	31,590	31,344	0.2	0.8	-0.2	31,248	31,098	28,391	10.1	
Total Inventories.....	36,537	36,575	36,273	-0.1	0.8	1.3	36,582	36,375	33,671	8.6	
Fabricated metal products:											
Unfilled Orders.....	86,649	86,140	85,489	0.6	0.8	0.6	85,022	83,576	78,734	8.0	
Total Inventories.....	54,686	54,651	54,559	0.1	0.2	0.5	54,620	53,770	50,897	7.3	
Machinery:											
Unfilled Orders.....	105,413	105,550	105,921	-0.1	-0.4	-0.2	105,398	103,726	103,338	2.0	
Total Inventories.....	70,884	70,510	70,082	0.5	0.6	0.4	70,663	68,141	66,642	6.0	
Computers and electronic products⁴:											
Unfilled Orders.....	117,630	117,647	117,261	0.0	0.3	0.5	117,326	117,069	112,924	3.9	
Total Inventories.....	43,184	43,294	43,303	-0.3	0.0	0.4	42,711	41,725	42,428	0.7	
Computers and related products:											
Unfilled Orders.....	2,234	2,195	2,191	1.8	0.2	2.8	2,234	2,195	1,885	18.5	
Total Inventories.....	3,690	3,772	3,737	-2.2	0.9	2.2	3,660	3,534	3,706	-1.2	
Communications equipment:											
Unfilled Orders.....	26,384	26,429	26,611	-0.2	-0.7	0.4	26,092	26,127	25,195	3.6	
Total Inventories.....	5,421	5,378	5,427	0.8	-0.9	-0.1	5,354	5,131	5,234	2.3	
Electrical equipment, appliances, and components:											
Unfilled Orders.....	19,478	19,499	19,711	-0.1	-1.1	-0.6	19,401	18,968	19,240	0.8	
Total Inventories.....	19,787	19,662	19,460	0.6	1.0	1.0	19,757	18,802	18,160	8.8	
Transportation equipment:											
Unfilled Orders.....	811,623	810,707	812,122	0.1	-0.2	-0.3	814,884	816,597	783,869	4.0	
Total Inventories.....	132,598	131,372	131,425	0.9	0.0	0.2	132,672	127,784	128,161	3.5	
Motor vehicles and parts:											
Unfilled Orders.....	27,265	27,050	27,041	0.8	0.0	0.1	27,335	27,212	26,342	3.8	
Total Inventories.....	37,365	36,934	36,996	1.2	-0.2	1.0	37,896	35,762	35,870	5.6	
Nondefense Aircraft and parts:											
Unfilled Orders.....	596,454	594,207	595,641	0.4	-0.2	-0.8	598,569	598,188	590,130	1.4	
Total Inventories.....	66,841	66,493	66,385	0.5	0.2	-0.5	66,581	64,333	65,088	2.3	
Defense Aircraft and parts:											
Unfilled Orders.....	81,275	81,883	82,157	-0.7	-0.3	2.7	82,098	82,189	71,845	14.3	
Total Inventories.....	13,333	12,919	13,237	3.2	-2.4	0.2	13,283	12,814	12,813	3.7	
All other durable goods:											
Unfilled Orders.....	9,410	9,352	9,348	0.6	0.0	-1.3	8,715	8,592	8,629	1.0	
Total Inventories.....	59,355	59,252	58,909	0.2	0.6	0.4	59,740	58,332	57,407	4.1	
Capital goods³:											
Unfilled Orders.....	867,009	865,533	866,566	0.2	-0.1	-0.3	868,246	867,168	845,799	2.7	
Total Inventories.....	205,863	204,602	203,906	0.6	0.3	0.2	204,441	198,264	195,508	4.6	
Nondefense capital goods:											
Unfilled Orders.....	710,960	709,013	710,301	0.3	-0.2	-0.6	711,200	709,365	702,141	1.3	
Total Inventories.....	182,836	181,943	181,009	0.5	0.5	0.2	181,503	175,668	173,149	4.8	
Excluding aircraft:											
Unfilled Orders.....	222,001	222,653	223,296	-0.3	-0.3	0.0	220,723	219,290	216,534	1.9	
Total Inventories.....	127,890	127,387	126,560	0.4	0.7	0.5	126,906	123,260	120,262	5.5	
Defense capital goods:											
Unfilled Orders.....	156,049	156,520	156,265	-0.3	0.2	1.5	157,046	157,803	143,658	9.3	
Total Inventories.....	23,027	22,659	22,897	1.6	-1.0	0.4	22,938	22,596	22,359	2.6	

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

² 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.

³ Based on advance sample. 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>.

⁴ The Capital Goods Industries include Nondefense : 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. Defense Capital Goods include : small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.

⁴ Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, January Advance Report, March 13, 2019. 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.