

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. 2017 ^b	Oct. 2017 ^c	Sep. 2017	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2017 ^b	Oct. 2017 ^c	Sep. 2017	Nov. 2016	2017 ^b	2016	% Change 2017/ 2016
All manufacturing industries.....	491,177	485,469	481,520	1.2	0.8	1.1	481,833	496,488	496,064	447,081	5,247,113	4,987,316	5.2
Excluding transportation.....	409,920	406,233	401,957	0.9	1.1	1.0	401,071	415,025	411,771	371,557	4,378,219	4,129,935	6.0
Excluding defense.....	478,090	472,459	468,750	1.2	0.8	1.0	467,928	483,865	482,006	434,367	5,111,930	4,861,789	5.1
With unfilled orders.....	172,239	170,010	169,960	1.3	0.0	1.4	167,417	171,741	179,054	154,549	1,837,706	1,748,786	5.1
Durable goods industries.....	244,435	242,170	240,951	0.9	0.5	1.2	238,424	247,390	252,532	221,863	2,614,814	2,511,391	4.1
Wood products.....	9,444	9,399	9,272	0.5	1.4	1.7	8,818	9,867	9,532	8,240	102,259	94,541	8.2
Nonmetallic mineral products.....	10,828	10,810	10,663	0.2	1.4	1.0	10,528	11,784	11,224	10,090	118,226	115,088	2.7
Primary metals.....	20,050	19,966	19,639	0.4	1.7	-0.1	18,860	20,226	19,693	16,851	215,476	194,423	10.8
Iron and steel mills.....	9,577	9,529	9,264	0.5	2.9	0.2	8,939	9,662	9,203	7,781	101,490	90,589	12.0
Aluminum and nonferrous metals.....	9,163	9,119	9,090	0.5	0.3	-0.3	8,708	9,251	9,120	7,881	99,590	88,982	11.9
Ferrous metal foundries.....	1,310	1,318	1,285	-0.6	2.6	-0.2	1,213	1,313	1,370	1,189	14,396	14,852	-3.1
Fabricated metal products.....	32,747	32,736	32,455	0.0	0.9	0.8	31,559	33,953	33,545	29,330	352,954	328,371	7.5
Machinery.....	32,441	32,535	32,247	-0.3	0.9	2.1	30,202	32,351	32,900	27,391	343,288	326,457	5.2
Farm machinery.....	2,881	3,087	2,803	-6.7	10.1	-0.6	2,146	2,861	2,585	1,842	29,965	27,257	9.9
Construction machinery.....	2,185	2,136	2,105	2.3	1.5	0.1	2,107	2,254	2,089	1,746	22,677	21,447	5.7
Mining, oil field, and gas field machinery.....	1,076	1,050	1,179	2.5	-10.9	17.2	1,057	1,057	1,231	717	11,053	11,199	-1.3
Industrial machinery.....	2,964	2,985	2,906	-0.7	2.7	-1.9	2,678	3,023	3,250	2,559	31,228	29,962	4.2
Photographic equipment.....	478	493	520	-3.0	-5.2	-1.0	470	469	572	540	5,800	6,015	-3.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,789	3,769	3,694	0.5	2.0	0.5	3,437	3,457	3,831	3,255	41,387	40,271	2.8
Metallurgy machinery.....	3,109	3,117	3,138	-0.3	-0.7	2.2	3,162	3,309	3,345	2,972	33,089	30,479	8.6
Turbines, generators, and other power transmission equipment.....	4,396	4,340	4,428	1.3	-2.0	7.3	4,301	4,402	4,355	3,667	44,623	41,089	8.6
Material handling equipment.....	2,877	2,863	2,862	0.5	0.0	0.5	2,801	2,965	2,885	2,574	30,738	28,842	6.6
Computers and electronic products ²	27,917	27,775	27,590	0.5	0.7	1.5	28,242	27,679	30,631	26,444	293,758	279,881	5.0
Computers.....	689	678	692	1.6	-2.0	-3.9	649	653	796	644	7,781	7,835	-0.7
Computer storage devices.....	572	601	642	-4.8	-6.4	-4.0	451	419	997	553	6,909	6,954	-0.6
Other peripheral equipment.....	641	677	592	-5.3	14.4	-8.4	563	643	680	481	6,236	6,243	-0.1
Nondefense communications equipment.....	2,927	2,904	2,824	0.8	2.8	4.0	2,722	2,650	3,515	2,464	29,754	28,420	4.7
Defense communications equipment.....	241	251	247	-4.0	1.6	0.8	257	256	274	265	2,660	2,761	-3.7
Audio and video equipment.....	352	353	357	-0.3	-1.1	2.9	438	429	347	369	3,585	3,217	11.4
Electronic components.....	4,219	4,201	4,143	0.4	1.4	1.6	3,970	4,170	4,363	3,620	44,495	42,033	5.9
Nondefense search and navigation equipment.....	1,529	1,483	1,460	3.1	1.6	1.2	1,543	1,441	1,622	1,313	15,865	14,491	9.5
Defense search and navigation equipment.....	2,722	2,675	2,671	1.8	0.1	2.2	2,943	2,658	2,849	2,591	28,659	26,750	7.1
Electromedical, measuring, and control instruments.....	9,546	9,359	9,177	2.0	2.0	1.1	9,486	8,971	10,627	8,345	96,707	91,584	5.6
Electrical equipment, appliances, and components.....	10,159	10,185	10,137	-0.3	0.5	0.9	10,060	10,533	10,682	9,765	111,069	108,958	1.9
Electric lighting equipment.....	1,045	1,045	1,056	0.0	-1.0	0.1	1,071	1,104	1,087	1,095	11,751	11,875	-1.0
Household appliances.....	1,510	1,528	1,579	-1.2	3.2	0.3	1,572	1,602	1,699	1,689	17,119	18,242	-6.2
Electrical equipment.....	2,673	2,661	2,652	0.5	0.3	-0.9	2,590	2,570	2,843	2,687	29,791	31,440	-5.2
Batteries.....	925	935	928	-1.1	0.8	0.1	1,066	1,112	961	1,013	10,049	10,025	0.2
Transportation equipment.....	81,257	79,236	79,563	2.6	-0.4	1.2	80,762	81,463	84,293	75,524	868,894	857,381	1.3
Automobiles.....	7,927	7,837	8,045	1.1	-2.6	-2.3	8,117	8,103	8,398	8,713	89,072	102,345	-13.0
Light trucks and utility vehicles.....	17,244	16,941	16,164	1.8	4.8	1.0	17,367	18,214	16,917	15,304	180,148	170,077	5.9
Heavy duty trucks.....	2,620	2,673	2,620	-2.0	2.0	-1.3	2,462	2,862	2,713	2,016	27,490	25,598	7.4
Motor vehicle bodies, parts, and trailers.....	28,179	27,861	27,719	1.1	0.5	0.1	27,342	29,422	28,211	26,034	306,460	294,606	4.0
Nondefense aircraft and parts.....	12,091	10,809	12,307	11.9	-12.2	7.2	12,055	9,986	14,002	10,882	126,976	131,188	-3.2
Defense aircraft and parts.....	4,185	4,276	4,007	-2.1	6.7	-1.2	4,373	4,093	4,574	3,961	43,462	41,830	3.9
Ships and boats.....	3,111	3,073	3,070	1.2	0.1	2.2	3,269	3,149	3,212	3,386	33,910	33,969	-0.2
Furniture and related products.....	6,681	6,630	6,594	0.8	0.5	0.1	6,513	6,630	6,710	6,240	71,819	70,161	2.4
Miscellaneous durable goods.....	12,911	12,898	12,791	0.1	0.8	1.1	12,880	12,904	13,322	11,988	137,071	136,130	0.7
Nondurable goods industries.....	246,742	243,299	240,569	1.4	1.1	1.0	243,409	249,098	243,532	225,218	2,632,299	2,475,925	6.3
Food products.....	68,090	68,718	68,848	-0.9	-0.2	-0.1	69,924	72,268	70,511	67,309	750,926	713,266	5.3
Grain and oilseed milling.....	7,537	7,527	7,596	0.1	-0.9	-0.4	8,055	8,224	7,559	7,932	82,717	80,248	3.1
Dairy products.....	9,509	9,617	9,545	-1.1	0.8	-0.6	9,932	9,973	9,675	9,884	106,983	102,112	4.8
Meat, poultry, and seafood products.....	19,403	19,718	19,934	-1.6	-1.1	-0.3	19,307	20,067	20,217	18,410	216,505	203,677	6.3
Beverage and tobacco products.....	12,750	12,710	12,792	0.3	-0.6	-2.6	12,808	12,575	13,082	13,369	144,145	147,188	-2.1
Beverages.....	9,090	9,207	9,088	-1.3	1.3	-0.8	9,148	9,072	9,378	9,744	103,306	109,451	-5.6
Tobacco.....	3,660	3,503	3,704	4.5	-5.4	-6.7	3,660	3,503	3,704	3,625	40,839	37,737	8.2
Textile mills.....	2,637	2,664	2,612	-1.0	2.0	-1.6	2,527	2,743	2,612	2,425	29,178	27,928	4.5
Textile products.....	2,284	2,245	2,217	1.7	1.3	1.3	2,182	2,258	2,198	2,061	24,553	23,991	2.3
Apparel.....	1,051	1,033	1,031	1.7	0.2	-0.6	1,214	1,191	1,077	1,138	11,524	10,990	4.9
Leather and allied products.....	381	388	382	-1.8	1.6	1.1	359	412	378	370	4,240	4,199	1.0
Paper products.....	16,372	16,312	16,179	0.4	0.8	-0.3	16,064	16,926	16,307	15,268	175,811	170,835	2.9
Pulp, paper, and paperboard mills.....	6,676	6,740	6,676	-0.9	1.0	0.3	6,512	6,897	6,722	6,403	72,899	72,136	1.1
Paperboard containers.....	5,587	5,501	5,401	1.6	1.9	-1.8	5,490	5,745	5,422	5,198	60,082	57,893	3.8
Printing.....	6,368	6,320	6,254	0.8	1.1	0.0	6,607	6,743	6,449	6,835	69,992	74,985	-6.7
Petroleum and coal products.....	49,612	46,823	45,053	6.0	3.9	5.3	48,510	47,445	45,129	35,919	480,342	380,035	26.4
Petroleum refineries.....	45,254	42,556	40,946	6.3	3.9	5.6	44,456	42,730	40,569	32,539	434,963	340,278	27.8
Chemical products.....	67,092	66,042	65,292	1.6	1.1	0.5	64,139	65,788	65,647	61,579	720,286	700,953	2.8
Pesticides, fertilizers, and other agricultural chemicals.....	2,922	2,846	2,770	2.7	2.7	1.8	2,443	2,179	2,436	2,629	31,820	37,313	-14.7
Pharmaceuticals and medicines.....	23,599	23,119	22,871	2.1	1.1	1.2	23,074	23,321	23,190	20,682	244,641	225,312	8.6
Paints, coatings, and adhesives.....	3,899	3,890	3,817	0.2	1.9	-0.4	3,440	3,930	3,757	3,217	42,417	40,151	5.6
Plastics and rubber products.....	20,105	20,044	19,909	0.3	0.7	0.6	19,075	20,749	20,142	18,945	221,302	221,555	-0.1

^b Preliminary

^c 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 5, 2018. 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.