

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		
	Feb. 2017 ^b	Jan. 2017 ^c	Dec. 2016	Jan. - Feb.	Dec. - Jan.	Nov. - Dec.	Feb. 2017 ^b	Jan. 2017 ^c	Dec. 2016	Feb. 2016	2017 ^b	2016	% Change 2017/ 2016
All manufacturing industries.....	479,959	478,581	477,205	0.3	0.3	2.5	444,998	436,906	468,146	436,362	881,904	845,743	4.3
Excluding transportation.....	398,476	396,828	395,111	0.4	0.4	2.6	367,229	366,934	386,479	355,539	734,163	695,842	5.5
Excluding defense.....	466,460	465,677	464,105	0.2	0.3	2.6	432,331	426,669	453,222	424,421	859,000	824,248	4.2
With unfilled orders.....	170,877	169,647	169,540	0.7	0.1	1.6	158,921	150,023	170,965	157,534	308,944	301,079	2.6
Durable goods industries.....	239,430	238,622	238,722	0.3	0.0	1.7	222,795	212,209	236,497	225,222	435,004	429,746	1.2
Wood products.....	9,116	8,951	8,901	1.8	0.6	1.8	8,143	7,572	7,768	7,574	15,715	14,335	9.6
Nonmetallic mineral products.....	10,215	10,101	10,057	1.1	0.4	0.1	8,726	8,669	8,674	8,798	17,395	17,086	1.8
Primary metals.....	18,732	18,621	18,518	0.6	0.6	1.6	17,980	18,184	16,839	17,621	36,164	34,623	4.5
Iron and steel mills.....	8,691	8,514	8,355	2.1	1.9	2.7	8,253	8,391	7,698	7,877	16,644	15,639	6.4
Aluminum and nonferrous metals.....	8,633	8,675	8,729	-0.5	-0.6	0.6	8,395	8,484	7,849	8,229	16,879	16,075	5.0
Ferrous metal foundries.....	1,408	1,432	1,434	-1.7	-0.1	1.2	1,332	1,309	1,292	1,515	2,641	2,909	-9.2
Fabricated metal products.....	31,601	31,362	30,975	0.8	1.2	0.4	29,457	29,044	28,695	28,664	58,501	55,824	4.8
Machinery.....	31,181	30,849	31,166	1.1	-1.0	2.8	29,439	27,194	32,132	30,043	56,633	56,743	-0.2
Farm machinery.....	1,856	1,819	1,864	2.0	-2.4	2.4	2,088	1,680	1,669	2,102	3,768	3,765	0.1
Construction machinery.....	2,794	2,722	2,555	2.6	6.5	3.8	2,690	2,303	2,483	2,914	4,993	5,273	-5.3
Mining, oil field, and gas field machinery.....	938	895	823	4.8	8.7	1.7	884	833	926	1,104	1,717	2,214	-22.4
Industrial machinery.....	2,564	2,454	2,546	4.5	-3.6	1.3	2,237	2,003	3,137	2,237	4,240	4,288	-1.1
Photographic equipment.....	427	429	415	-0.5	3.4	2.0	364	355	505	378	719	733	-1.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,570	3,545	3,520	0.7	0.7	1.2	2,955	2,845	3,418	3,017	5,800	5,820	-0.3
Metallworking machinery.....	3,421	3,315	3,338	3.2	-0.7	0.8	3,007	2,944	3,766	2,782	5,951	5,482	8.6
Turbines, generators, and other power transmission equipment.....	4,035	3,962	4,459	1.8	-11.1	10.1	4,042	3,767	4,298	4,037	7,809	7,740	0.9
Material handling equipment.....	3,082	3,088	3,052	-0.2	1.2	0.1	2,880	2,746	3,198	2,911	5,626	5,596	0.5
Computers and electronic products ²	28,102	28,071	28,027	0.1	0.2	0.9	24,232	25,141	31,272	23,734	49,373	46,831	5.4
Computers.....	615	617	585	-0.3	5.5	1.6	464	517	756	461	981	1,039	-5.6
Computer storage devices.....	597	576	528	3.6	9.1	-7.5	388	390	870	384	778	751	3.6
Other peripheral equipment.....	629	628	587	0.2	7.0	-5.3	485	441	870	573	926	1,073	-13.7
Nondefense communications equipment.....	3,172	3,209	3,300	-1.2	-2.8	3.3	2,584	2,514	4,168	2,625	5,098	4,949	3.0
Defense communications equipment.....	279	268	265	4.1	1.1	-9.9	277	223	270	316	500	547	-8.6
Audio and video equipment.....	397	415	408	-4.3	1.7	11.2	337	351	543	311	688	593	16.0
Electronic components.....	5,030	4,854	4,874	3.6	-0.4	0.0	4,391	4,243	4,933	4,170	8,634	8,240	4.8
Nondefense search and navigation equipment.....	1,454	1,447	1,519	0.5	-4.7	11.9	1,368	1,258	1,600	1,344	2,626	2,491	5.4
Defense search and navigation equipment.....	2,706	2,704	2,613	0.1	3.5	3.2	2,552	2,204	2,893	2,424	4,756	4,421	7.6
Electromedical, measuring, and control instruments.....	9,342	9,215	9,156	1.4	0.6	-1.0	8,342	7,803	10,529	8,180	16,145	15,669	3.0
Electrical equipment, appliances, and components.....	9,676	9,569	9,641	1.1	-0.7	1.4	8,833	8,503	9,587	8,933	17,336	17,406	-0.4
Electric lighting equipment.....	1,062	1,043	1,037	1.8	0.6	-0.1	985	934	1,085	1,031	1,919	1,979	-3.0
Household appliances.....	1,320	1,348	1,399	-2.1	-3.6	2.6	1,160	1,104	1,404	1,310	2,264	2,501	-9.5
Electrical equipment.....	2,859	2,896	2,915	-1.3	-0.7	-0.7	2,628	2,537	2,925	2,866	5,165	5,416	-4.6
Batteries.....	780	790	781	-1.3	1.2	3.0	680	710	836	732	1,390	1,445	-3.8
Transportation equipment.....	81,483	81,753	82,094	-0.3	-0.4	2.3	77,769	69,972	81,667	80,823	147,741	149,901	-1.4
Automobiles.....	8,300	8,872	8,878	-6.4	-0.1	-0.8	7,953	8,103	8,291	10,805	16,056	20,161	-20.4
Light trucks and utility vehicles.....	16,279	16,239	16,431	0.2	-1.2	5.4	16,157	13,951	15,588	16,244	30,108	29,443	2.3
Heavy duty trucks.....	2,088	2,021	2,033	3.3	-0.6	-0.8	1,910	1,747	1,817	2,263	3,657	4,343	-15.8
Motor vehicle bodies, parts, and trailers.....	29,604	29,457	29,342	0.5	0.4	1.4	29,403	26,933	25,828	28,444	56,336	52,747	6.8
Nondefense aircraft and parts.....	12,454	13,048	12,999	-4.6	0.4	5.9	10,474	9,840	16,503	11,323	20,314	21,925	-7.3
Defense aircraft and parts.....	4,363	3,967	4,178	10.0	-5.1	0.1	3,770	2,867	5,128	3,789	6,637	7,162	-7.3
Ships and boats.....	3,103	3,050	3,155	1.7	-3.3	0.7	2,999	2,475	3,205	3,163	5,474	5,580	-1.9
Furniture and related products.....	6,435	6,415	6,381	0.3	0.5	0.2	6,177	5,988	6,262	6,178	12,165	11,994	1.4
Miscellaneous durable goods.....	12,889	12,930	12,962	-0.3	-0.2	1.5	12,039	11,942	13,601	12,854	23,981	25,003	-4.1
Nondurable goods industries.....	240,529	239,959	238,483	0.2	0.6	3.4	222,203	224,697	231,649	211,140	446,900	415,997	7.4
Food products.....	66,791	66,627	66,213	0.2	0.6	2.1	64,016	64,465	66,943	63,497	128,481	125,517	2.4
Grain and oilseed milling.....	8,330	8,260	8,206	0.8	0.7	2.3	7,952	8,238	8,517	7,988	16,190	15,769	2.7
Dairy products.....	9,618	9,668	9,685	-0.5	-0.2	4.5	8,828	9,453	9,784	8,653	18,281	17,518	4.4
Meat, poultry, and seafood products...	18,142	18,280	18,008	-0.8	1.5	2.4	17,414	17,400	17,794	17,479	34,814	34,377	1.3
Beverage and tobacco products.....	12,292	12,242	12,397	0.4	-1.3	0.5	11,158	10,987	12,074	11,161	22,145	21,737	1.9
Beverages.....	9,236	9,237	9,137	0.0	1.1	0.0	8,102	7,982	8,814	8,361	16,084	16,305	-1.4
Tobacco.....	3,056	3,005	3,260	1.7	-7.8	1.8	3,056	3,005	3,260	2,800	6,061	5,432	11.6
Textile mills.....	2,654	2,620	2,591	1.3	1.1	1.8	2,545	2,411	2,278	2,473	4,956	4,820	2.8
Textile products.....	2,071	2,087	2,123	-0.8	-1.7	3.0	2,026	1,887	1,877	1,973	3,913	3,771	3.8
Apparel.....	1,110	1,121	1,071	-1.0	4.7	2.8	1,044	1,005	1,031	1,003	2,049	1,899	7.9
Leather and allied products.....	346	353	354	-2.0	-0.3	3.8	343	327	341	345	670	665	0.8
Paper products.....	15,345	15,302	15,425	0.3	-0.8	0.5	14,299	14,981	15,038	14,683	29,280	29,407	-0.4
Pulp, paper, and paperboard mills.....	6,764	6,763	6,803	0.0	-0.6	0.4	6,275	6,766	6,698	6,533	13,041	13,288	-1.9
Paperboard containers.....	4,809	4,844	4,811	-0.7	0.7	0.7	4,432	4,716	4,526	4,496	9,148	8,907	2.7
Printing.....	6,885	6,924	6,893	-0.6	0.4	-1.3	6,159	6,519	6,807	6,677	12,678	13,382	-5.3
Petroleum and coal products.....	45,069	45,552	44,234	-1.1	3.0	14.1	38,561	40,813	41,708	26,929	79,374	54,363	46.0
Petroleum refineries.....	40,509	41,017	39,864	-1.2	2.9	15.5	34,621	37,178	38,098	23,962	71,799	48,974	46.6
Chemical products.....	68,692	67,944	67,971	1.1	0.0	1.2	64,249	63,641	65,988	64,088	127,890	124,889	2.4
Pesticides, fertilizers, and other agricultural chemicals.....	3,904	3,893	4,064	0.3	-4.2	-0.4	4,113	3,094	3,411	4,598	7,207	7,623	-5.5
Pharmaceuticals and medicines.....	23,187	22,628	22,554	2.5	0.3	1.8	21,430	21,917	22,852	20,547	43,347	41,388	4.7
Paints, coatings, and adhesives.....	3,832	3,789	3,793	1.1	-0.1	0.1	3,479	3,320	3,185	3,378	6,799	6,463	5.2
Plastics and rubber products.....	19,274	19,187	19,211	0.5	-0.1	0.3	17,803	17,661	17,564	18,311	35,464	35,547	-0.2

^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, February Full Report, April 4, 2017. 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>.