Table 1. Value of Manufacturers' Shipments for Industry Groups[1]

[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		
	Dec. 2016[p]	Nov. 2016[r]	Oct. 2016	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2016[p]	Nov. 2016[r]	Oct. 2016	Dec. 2015	2016[p]	2015	% Change 2016/ 2015
All manufacturing industries	475,843	465,427	464,095	2.2	0.3	0.2	466,743	454,305	469,757	451,055	5,533,605	5,619,673	-1.5
Excluding transportation	393,671	385,183	383,523	2.2	0.4	0.6	384,966	375,495	388,670	372,010	4,561,046	4,649,987	-1.9
Excluding defense	462,789	452,300	451,528	2.3	0.2	0.2	451,899	440,685	457,596	436,563	5,383,257	5,471,790	-1.6
With unfilled orders	169,062	166,877	166,255	1.3	0.4	-0.5	170,447	161,401	165,729	165,054	1,990,611	1,997,276	-0.3
Durable goods industries	238,083	234,824	233,989	1.4	0.4	-0.2	235,921	227,379	235,753	230,858	2,806,164	2,820,620	-0.5
Wood products	8,891	8,745	8,507	1.7	2.8	1.0	7,754	8,087	8,891	6,989	100,616	95,814	5.0
Nonmetallic mineral products	10,057	10,049	9,971	0.1	0.8	0.8	8,661	9,698	10,681	8,526	119,223	114,180	4.4
Primary metals	18,498	18,224	17,752	1.5	2.7	0.0	16,789	17,240	17,827	16,320	214,400	230,646	-7.0
Iron and steel mills	8,345	8,133	7,937	2.6	2.5	0.6	7,655	7,672	8,027	7,364	96,615	107,379	-10.0
Aluminum and nonferrous metals	8,728	8,674	8,414	0.6	3.1	-0.4	7,843	8,252	8,424	7,465	100,102	103,639	-3.4
Ferrous metal foundries	1,425	1,417	1,401	0.6	1.1	-1.6	1,291	1,316	1,376	1,491	17,683	19,628	-9.9
Fabricated metal products	30,754	30,837	30,445	-0.3	1.3	1.2	28,520	29,702	31,131	27,549	361,894	355,334	1.8
Machinery	30,800	30,317	29,959	1.6	1.2	-0.4	31,827	28,220	29,655	32,380	364,379	386,253	-5.7
Farm machinery	1,879	1,821	1,814	3.2	0.4	-0.1	1,667	1,335	1,673	1,722	21,596	24,638	-12.3
Construction machinery	2,428	2,462	2,646	-1.4	-7.0	3.2	2,459	2,415	2,803	3,270	32,430	43,579	-25.6
Mining, oil field, and gas field machinery	807	809	869	-0.2	-6.9	-11.1	921	801	899	1,494	11,479	20,477	-43.9
Industrial machinery	2,511	2,513	2,396	-0.1	4.9	4.9	3,056	2,197	2,416	2,950	29,199	29,049	0.5
Photographic equipment	411	407	396	1.0	2.8	-0.3	507	425	406	539	5,083	5,179	-1.9
Ventilation, heating, air-conditioning, and refrigeration equipment	3,505	3,479	3,477	0.7	0.1	0.1	3,405	3,115	3,163	3,426	41,744	42,476	-1.7
Metalworking machinery	3,396	3,310	3,184	2.6	4.0	-1.5	3,834	3,350	3,326	3,298	37,853	33,683	12.4
Turbines, generators, and other power transmission equipment	4,290	4,049	3,886	6.0	4.2	-3.5	4,106	3,984	3,910	3,794	48,557	52,096	-6.8
Material handling equipment	3,053	3,049	3,019	0.1	1.0	1.3	3,197	2,926	3,092	3,150	35,991	31,959	12.6
Computers and electronic products[2]	27,992	27,770	27,516	0.8	0.9	0.9	31,229	27,454	27,357	29,594	325,111	312,851	3.9
Computers	583	576	608	1.2	-5.3	6.9	749	517	613	863	7,203	9,316	-22.7
Computer storage devices	526	571	586	-7.9	-2.6	22.6	864	464	433	837	6,702	6,600	1.5
Other peripheral equipment	579	620	617	-6.6	0.5	1.6	873	527	525	1,040	7,727	9,507	-18.7
Nondefense communications equipment	3,311	3,196	3,067	3.6	4.2	-5.1	4,168	2,915	2,780	3,833	37,802	37,195	1.6
Defense communications equipment	267	294	281	-9.2	4.6	-6.0	270	308	283	403	3,480	3,848	-9.6
Audio and video equipment	402	367	368	9.5	-0.3	6.4	543	467	461	445	4,391	3,468	26.6
Electronic components	4,954	4,872	4,907	1.7	-0.7	-1.1	4,940	4,539	4,854	4,520	57,470	51,612	11.4
Nondefense search and navigation equipment	1,514	1,357	1,402	11.6	-3.2	0.5	1,595	1,364	1,334	1,523	16,658	15,537	7.2
Defense search and navigation equipment	2,560	2,533	2,537	1.1	-0.2	-0.2	2,852	2,689	2,581	2,845	30,619	30,420	0.7
Electromedical, measuring, and control instruments	9,160	9,250	9,244	-1.0	0.1	0.8	10,517	9,018	8,776	10,222	109,179	103,227	5.8
Electrical equipment, appliances, and components	9,620	9,506	9,632	1.2	-1.3	0.7	9,599	9,378	9,787	9,757	114,522	121,697	-5.9
Electric lighting equipment	1,034	1,038	1,049	-0.4	-1.0	1.5	1,085	1,065	1,116	1,118	12,742	12,441	2.4
Household appliances	1,407	1,364	1,407	3.2	-3.1	-0.4	1,408	1,426	1,455	1,444	16,808	18,508	-9.2
Electrical equipment	2,914	2,935	2,909	-0.7	0.9	0.4	2,930	2,771	2,785	3,138	35,213	38,293	-8.0
Batteries	775	758	775	2.2	-2.2	2.4	843	874	877	870	9,487	10,141	-6.4
Transportation equipment	82,172	80,244	80,572	2.4	-0.4	-1.6	81,777	78,810	81,087	79,045	972,559	969,686	0.3
Automobiles	8,852	8,948	8,803	-1.1	1.6	-3.7	8,291	9,030	9,082	9,914	114,353	126,926	-9.9
Light trucks and utility vehicles	16,398	15,594	15,601	5.2	0.0	1.6	15,588	15,214	16,403	14,453	184,678	178,428	3.5
Heavy duty trucks	2,021	2,050	2,000	-1.4	2.5	-4.1	1,816	1,930	2,067	2,218	26,272	31,711	-17.2
Motor vehicle bodies, parts, and trailers	29,459	28,939	28,873	1.8	0.2	-0.8	25,955	27,975	29,787	23,908	339,480	309,456	9.7
Nondefense aircraft and parts	13,028	12,271	13,479	6.2	-9.0	-4.5	16,528	12,069	12,139	14,261	161,965	168,041	-3.6
Defense aircraft and parts	4,192	4,174	3,931	0.4	6.2	-4.9	5,129	4,334	3,739	5,899	50,748	59,037	-14.0
Ships and boats	3,112	3,134	2,990	-0.7	4.8	-4.1	3,124	3,242	3,085	2,903	36,842	34,004	8.3
Furniture and related products	6,371	6,367	6,382	0.1	-0.2	0.5	6,260	6,121	6,263	6,163	75,766	73,234	3.5
Miscellaneous durable goods	12,928	12,765	13,253	1.3	-3.7	1.1	13,505	12,669	13,074	14,535	157,694	160,925	-2.0
Nondurable goods industries	237,760	230,603	230,106	3.1	0.2	0.6	230,822	226,926	234,004	220,197	2,727,441	2,799,053	-2.6
Food products	65,561	64,826	64,553	1.1	0.4	-0.6	66,255	67,106	67,919	64,376	778,453	773,839	0.6
Grain and oilseed milling	8,164	8,022	7,946	1.8	1.0	-0.5	8,497	8,667	8,697	8,572	96,612	96,213	0.4
Dairy products	9,466	9,267	9,061	2.1	2.3	-1.6	9,546	9,790	9,403	9,281	110,368	110,620	-0.2
Meat, poultry, and seafood products	17,750	17,584	17,529	0.9	0.3	-0.7	17,527	17,729	17,995	17,162	213,546	221,948	-3.8
Beverage and tobacco products	12,356	12,339	12,448	0.1	-0.9	0.5	12,055	12,268	12,274	11,623	147,483	145,998	1.0
Beverages	9,095	9,138	9,120	-0.5	0.2	-1.3	8,794	9,067	8,946	8,673	110,894	108,525	2.2
Tobacco	3,261	3,201	3,328	1.9	-3.8	5.7	3,261	3,201	3,328	2,950	36,589	37,473	-2.4
Textile mills	2,581	2,545	2,514	1.4	1.2	1.5	2,274	2,425	2,610	2,195	30,319	30,903	-1.9
Textile products	2,118	2,062	2,014	2.7	2.4	1.2	1,871	1,975	2,043	1,732	24,050	24,477	-1.7
Apparel	1,068	1,042	1,025	2.5	1.7	-2.1	1,035	1,196	1,191	999	12,655	12,097	4.6
Leather and allied products	354	341	331	3.8	3.0	0.3	341	329	344	332	4,077	4,668	-12.7
Paper products	15,465	15,355	15,183	0.7	1.1	0.1	15,068	15,023	15,512	15,002	182,935	182,809	0.1
Pulp, paper, and paperboard mills	6,835	6,778	6,716	0.8	0.9	-0.1	6,729	6,610	6,777	6,786	81,246	82,250	-1.2
Paperboard containers	4,801	4,778	4,694	0.5	1.8	0.2	4,521	4,642	4,832	4,394	56,294	55,465	1.5
Printing	6,942	6,984	7,041	-0.6	-0.8	-1.4	6,875	7,154	7,383	7,296	85,434	86,058	-0.7
Petroleum and coal products	44,198	38,763	38,959	14.0	-0.5	5.4	41,552	37,088	39,819	33,698	432,735	525,255	-17.6
Petroleum refineries	39,821	34,526	34,828	15.3	-0.9	5.4	37,917	33,149	35,522	30,961	387,046	485,047	-20.2
Chemical products	67,936	67,190	66,752	1.1	0.7	-0.1	65,980	64,201	65,312	65,476	798,894	783,931	1.9
Pesticides, fertilizers, and other agricultural chemicals	4,061	4,079	4,120	-0.4	-1.0	-0.5	3,393	3,245	2,924	3,485	49,073	46,628	5.2
Pharmaceuticals and medicines	22,565	22,147	21,814	1.9	1.5	0.1	22,864	21,973	21,742	22,710	261,462	236,545	10.5
Paints, coatings, and adhesives	3,807	3,790	3,713	0.4	2.1	1.5	3,206	3,266	3,652	2,995	44,018	40,950	7.5
Plastics and rubber products	19,181	19,156	19,286	0.1	-0.7	-0.7	17,516	18,161	19,597	17,468	230,406	229,018	0.6

[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.

See note at end of Table 2 relating to survey error and revision.

[2] Estimates and percent changes of shipments for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals.