

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. 2020 ^P	Oct. 2020 ^r	Sep. 2020	Oct. - Nov.	Sep. - Oct.	Aug. - Sep.	Nov. 2020 ^P	Oct. 2020 ^r	Sep. 2020	Nov. 2019	2020 ^P	2019	% Change 2020/2019
All manufacturing industries.....	492,931	489,486	483,743	0.7	1.2	0.5	477,262	502,055	502,538	483,631	5,179,794	5,525,392	-6.3
Excluding transportation.....	410,531	407,392	401,910	0.8	1.4	0.6	397,556	416,396	415,935	402,420	4,369,962	4,576,009	-4.5
Excluding defense.....	477,796	475,022	469,952	0.6	1.1	0.6	461,500	487,627	487,348	469,005	5,025,877	5,372,702	-6.5
With unfilled orders.....	167,791	168,427	163,756	-0.4	2.9	0.2	160,648	170,835	172,655	163,258	1,783,186	1,901,520	-6.2
Durable goods industries.....	250,130	249,356	245,600	0.3	1.5	0.5	240,340	256,990	259,427	235,741	2,578,412	2,740,674	-5.9
Wood products.....	10,310	10,210	10,048	1.0	1.6	3.2	9,527	10,752	10,432	8,465	104,338	99,810	4.5
Nonmetallic mineral products.....	12,005	11,918	11,784	0.7	1.1	0.4	11,436	13,028	12,635	10,779	129,492	127,008	2.0
Primary metals.....	19,152	18,840	18,360	1.7	2.6	0.1	17,768	18,960	18,560	17,729	203,941	221,231	-7.8
Iron and steel mills.....	9,834	9,631	9,347	2.1	3.0	1.7	9,077	9,702	9,310	9,008	103,993	115,923	-10.3
Aluminum and nonferrous metals.....	8,131	8,007	7,893	1.5	1.4	-0.3	7,643	8,075	8,067	7,465	86,353	88,748	-2.7
Ferrous metal foundries.....	1,187	1,202	1,120	-1.2	7.3	-9.9	1,048	1,183	1,183	1,256	13,595	16,560	-17.9
Fabricated metal products.....	30,987	30,898	30,136	0.3	2.5	0.3	29,377	31,976	31,490	30,173	333,258	351,170	-5.1
Machinery.....	31,651	31,514	31,034	0.4	1.5	-0.4	29,156	31,885	31,765	29,162	336,077	352,599	-4.7
Farm machinery.....	2,209	2,210	2,126	0.0	4.0	-1.3	1,718	2,195	1,966	1,535	21,028	21,932	-4.1
Construction machinery.....	2,756	2,666	2,555	3.4	4.3	-0.4	2,565	2,877	2,496	2,570	28,726	33,573	-14.4
Mining, oil field, and gas field machinery.....	1,097	1,099	1,061	-0.2	3.6	-0.7	1,084	1,103	1,121	1,398	12,988	15,946	-18.6
Industrial machinery.....	3,199	3,161	3,139	1.2	0.7	-1.8	2,921	3,161	3,555	2,932	34,378	32,480	5.8
Photographic equipment.....	564	560	577	0.7	-2.9	-1.0	532	552	672	535	6,081	5,881	3.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,951	4,031	3,974	-2.0	1.4	-2.0	3,440	3,876	4,140	3,343	42,046	42,731	-1.6
Metalworking machinery.....	2,525	2,508	2,483	0.7	1.0	0.7	2,454	2,665	2,643	2,480	26,808	29,177	-8.1
Turbines, generators, and other power transmission equipment.....	3,927	3,860	3,804	1.7	1.5	-0.4	3,873	3,994	3,777	3,937	41,999	45,282	-7.3
Material handling equipment.....	2,758	2,748	2,721	0.4	1.0	1.9	2,575	2,853	2,767	2,613	29,410	31,288	-6.0
Computers and electronic products ²	30,666	31,103	30,408	-1.4	2.3	1.6	31,251	31,014	34,127	28,706	321,158	308,712	4.0
Computers.....	590	586	576	0.7	1.7	4.3	606	583	624	533	6,226	6,678	-6.8
Computer storage devices.....	495	511	434	-3.1	17.7	-5.2	542	478	478	529	4,999	3,868	29.2
Other peripheral equipment.....	846	814	797	3.9	2.1	-7.9	822	764	936	701	8,377	7,598	10.3
Nondefense communications equipment.....	4,086	4,394	3,971	-7.0	10.7	2.8	3,759	3,774	4,892	3,046	39,587	35,231	12.4
Defense communications equipment.....	283	277	277	2.2	0.0	-5.1	293	292	323	245	2,999	2,800	7.1
Audio and video equipment.....	370	371	366	-0.3	1.4	4.0	498	513	337	402	3,529	3,602	-2.0
Electronic components.....	4,539	4,475	4,411	1.4	1.5	0.3	4,307	4,373	4,579	3,799	47,240	42,809	10.4
Nondefense search and navigation equipment.....	1,531	1,547	1,511	-1.0	2.4	0.0	1,541	1,483	1,669	1,538	16,606	17,515	-5.2
Defense search and navigation equipment.....	3,004	3,068	3,047	-2.1	0.7	2.9	3,296	3,018	3,269	3,238	32,909	32,119	2.5
Electromedical, measuring, and control instruments.....	9,335	9,418	9,260	-0.9	1.7	1.1	9,226	9,387	10,544	8,720	98,073	98,536	-0.5
Electrical equipment, appliances, and components.....	10,886	11,028	10,559	-1.3	4.4	-0.4	10,559	11,337	11,430	10,584	117,515	120,211	-2.2
Electric lighting equipment.....	951	949	976	0.2	-2.8	0.5	950	1,004	1,006	996	10,666	11,100	-3.9
Household appliances.....	2,119	2,239	1,921	-5.4	16.6	-6.3	2,132	2,307	2,170	1,942	21,287	20,720	2.7
Electrical equipment.....	2,789	2,891	2,855	-3.5	1.3	-0.6	2,585	2,792	3,123	3,085	33,597	37,313	-10.0
Batteries.....	762	770	769	-1.0	0.1	-0.4	846	907	865	839	8,213	8,271	-0.7
Transportation equipment.....	82,400	82,094	81,833	0.4	0.3	0.4	79,706	85,659	86,603	81,211	809,832	949,383	-14.7
Automobiles.....	7,414	7,582	8,057	-2.2	-5.9	6.4	7,167	8,132	8,327	8,254	70,830	98,141	-27.8
Light trucks and utility vehicles.....	22,491	21,379	22,651	5.2	-5.6	-0.7	21,864	23,264	24,611	19,083	188,863	225,830	-16.4
Heavy duty trucks.....	2,657	2,525	2,530	5.2	-0.2	7.9	2,459	2,644	2,647	2,248	24,520	29,055	-15.6
Motor vehicle bodies, parts, and trailers.....	29,415	29,015	28,814	1.4	0.7	0.9	27,735	30,560	29,275	26,484	297,510	312,592	-4.8
Nondefense aircraft and parts.....	4,276	6,275	5,107	-31.9	22.9	-3.1	4,257	5,670	5,753	9,598	63,374	120,488	-47.4
Defense aircraft and parts.....	4,235	4,220	3,742	0.4	12.8	-8.6	4,377	4,164	4,235	4,423	44,705	50,465	-11.4
Ships and boats.....	2,749	2,659	2,695	3.4	-1.3	-1.6	2,918	2,667	2,742	3,052	29,357	33,313	-11.9
Furniture and related products.....	6,548	6,599	6,531	-0.8	1.0	-0.4	6,408	6,777	6,549	6,586	71,573	72,905	-1.8
Miscellaneous durable goods.....	15,525	15,152	14,907	2.5	1.6	1.0	15,152	15,602	15,836	12,346	151,228	137,645	9.9
Nondurable goods industries.....	242,801	240,130	238,143	1.1	0.8	0.5	236,922	245,065	243,111	247,890	2,601,382	2,784,718	-6.6
Food products.....	68,480	68,154	67,630	0.5	0.8	0.5	69,700	71,437	69,520	68,850	745,753	736,795	1.2
Grain and oilseed milling.....	7,193	7,142	7,109	0.7	0.5	-0.2	7,344	7,441	7,244	6,736	77,778	75,497	3.0
Dairy products.....	10,564	10,618	10,498	-0.5	1.1	-0.1	10,840	10,969	10,531	10,867	115,882	113,586	2.0
Meat, poultry, and seafood products.....	18,189	18,032	18,032	0.9	0.0	0.4	18,217	18,440	18,057	19,596	203,352	215,423	-5.6
Beverage and tobacco products.....	12,919	13,423	13,819	-3.8	-2.9	2.4	12,818	13,554	14,212	12,722	145,507	147,517	-1.4
Beverages.....	9,435	9,465	9,422	-0.3	0.5	1.3	9,334	9,596	9,815	9,238	103,019	102,334	0.7
Tobacco.....	3,484	3,958	4,397	-12.0	-10.0	4.8	3,484	3,958	4,397	3,484	42,488	45,183	-6.0
Textile mills.....	2,211	2,202	2,193	0.4	0.4	1.3	2,088	2,266	2,212	2,155	23,725	25,847	-8.2
Textile products.....	1,807	1,831	1,878	-1.3	-2.5	2.3	1,768	1,911	1,869	1,938	20,160	22,409	-10.0
Apparel.....	872	871	881	0.1	-1.1	5.0	986	1,009	932	1,007	9,615	10,039	-4.2
Leather and allied products.....	443	435	437	1.8	-0.5	-0.2	414	442	427	362	4,322	4,409	-2.0
Paper products.....	16,785	16,686	16,433	0.6	1.5	0.1	16,136	17,228	16,914	15,584	180,372	178,500	1.0
Pulp, paper, and paperboard mills.....	6,597	6,567	6,616	0.5	-0.7	0.9	6,365	6,712	6,880	6,322	72,238	72,193	0.1
Paperboard containers.....	5,984	5,969	6,031	0.3	-1.0	-0.3	5,735	6,285	6,239	5,534	65,169	64,124	1.6
Printing.....	6,906	7,092	6,918	-2.6	2.5	1.1	6,997	7,630	7,261	7,376	76,345	78,788	-3.1
Petroleum and coal products.....	41,609	39,858	39,519	4.4	0.9	0.0	39,499	39,858	39,549	53,955	429,400	610,285	-29.6
Petroleum refineries.....	37,289	35,610	35,348	4.7	0.7	-0.2	35,503	35,201	34,825	49,978	382,754	562,535	-32.0
Chemical products.....	70,588	69,538	68,613	1.5	1.3	0.6	67,687	68,879	69,907	64,888	747,757	742,677	0.7
Pesticides, fertilizers, and other agricultural chemicals.....	3,024	2,933	2,712	3.1	8.1	0.4	2,565	2,315	2,506	2,278	30,630	31,926	-4.1
Pharmaceuticals and medicines.....	26,096	25,533	25,402	2.2	0.5	0.0	25,586	25,402	26,867	22,648	272,030	245,000	11.0
Paints, coatings, and adhesives.....	4,886	4,732	4,731	3.3	0.0	2.6	4,238	4,757	4,775	3,855	49,851	48,033	3.8
Plastics and rubber products.....	20,181	20,040	19,822	0.7	1.1	0.2	18,829	20,851	20,308	19,053	218,426	227,452	-4.0

^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.

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 6, 2021. 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>.