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## Full Report on Manufacturers' Shipments, Inventories and Orders January 2013

### Summary

New orders for manufactured goods in January, down two of the last three months, decreased \$9.6 billion or 2.0 percent to \$472.9 billion, the U.S. Census Bureau reported today. This followed a 1.3 percent December increase. Excluding transportation, new orders increased 1.3 percent.

Shipments, down two consecutive months, decreased \$1.0 billion or 0.2 percent to \$481.8 billion. This followed a slight December decrease.

Unfilled orders, down following four consecutive monthly increases, decreased \$2.0 billion or 0.2 percent to \$988.9 billion. This followed a 0.7 percent December increase. The unfilled orders-to-shipments ratio was 6.27, up from 6.15 in December.

Inventories, up two consecutive months, increased \$3.2 billion or 0.5 percent to \$618.4 billion. This followed a slight December increase. The inventories-to-shipments ratio was 1.28, up from 1.27 in December.

### New Orders

New orders for manufactured durable goods in January, down following four consecutive monthly increases, decreased \$11.2 billion or 4.9 percent to \$217.3 billion, revised from the previously published 5.2 percent decrease. This followed a 3.6 percent December increase.

Transportation equipment, down three of the last four months, drove the decrease, down \$14.8 billion or 19.8 percent to \$59.6 billion.

New orders for manufactured nondurable goods increased \$1.6 billion or 0.6 percent to \$255.6 billion.

### Shipments

Shipments of manufactured durable goods in January, down following four consecutive monthly increases, decreased \$2.7 billion or 1.2 percent to \$226.2 billion, unchanged from the previously published increase. This followed a 0.6 percent December increase.

Transportation equipment, down following two

consecutive monthly increases, led the decrease, down \$1.4 billion or 2.2 percent to \$64.8 billion.

Shipments of manufactured nondurable goods, up following two consecutive monthly decreases, increased \$1.6 billion or 0.6 percent to \$255.6 billion. This followed a 0.6 percent December decrease. Petroleum and coal products, up following two consecutive monthly decreases, led the increase, up \$0.9 billion or 1.3 percent to \$74.0 billion.

### Unfilled Orders

Unfilled orders for manufactured durable goods in January, down following four consecutive monthly increases, decreased \$2.0 billion or 0.2 percent to \$988.9 billion, unchanged from the previously published decrease. This followed a 0.7 percent December increase.

Transportation equipment, also down following four consecutive monthly increases, drove the decrease, down \$5.2 billion or 0.9 percent to \$582.6 billion.

### Inventories

Inventories of manufactured durable goods in January, up fifteen of the last sixteen months, increased \$0.9 billion or 0.2 percent to \$375.0 billion, unchanged from the previously published increase. This followed a 0.1 percent December decrease.

Transportation equipment, up thirty consecutive months, drove the increase, up \$1.2 billion or 1.0 percent to \$115.9 billion.

Inventories of manufactured nondurable goods, up two consecutive months, increased \$2.3 billion or 1.0 percent to \$243.4 billion. This followed a 0.3 percent December increase. Chemical products, up four of the last five months, led the increase, up \$1.7 billion or 2.3 percent to \$73.9 billion.

By stage of fabrication, January materials and supplies increased 0.3 percent in durable goods and 0.7 percent in nondurable goods. Work in process increased 0.5 percent in durable goods and 1.8 percent in nondurable goods. Finished goods decreased 0.1 percent in durable goods and increased 0.8 percent in nondurable goods.

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Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to <<http://www.census.gov/m3>>. The advance report on durable goods for February is scheduled for release on March 26, 2013, at 8:30 a.m. EDT and the full report on April 2, 2013, at 10:00 a.m. EDT. See back page for survey description. To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets.

Table 1. Value of Manufacturers' Shipments for Industry Groups<sup>1</sup>

[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			
	Jan. 2013 <sup>2</sup>	Dec. 2012 <sup>2</sup>	Nov. 2012	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2013 <sup>2</sup>	Dec. 2012 <sup>2</sup>	Nov. 2012	Jan. 2012	2013 <sup>2</sup>	2012	Percent 2013/2012
All manufacturing industries.....	481,808	482,840	483,057	-0.2	0.0	0.3	449,650	465,192	469,120	436,281	449,650	436,281	3.1
Excluding transportation.....	417,001	416,604	417,348	0.1	-0.2	0.0	392,434	399,031	403,599	382,288	392,434	382,288	2.7
Excluding defense.....	471,470	471,479	472,056	0.0	-0.1	0.2	441,245	452,422	457,928	427,340	441,245	427,340	3.3
With unfilled orders.....	157,830	161,036	160,541	-2.0	0.3	1.7	142,842	159,470	155,118	140,498	142,842	140,498	1.7
Durable goods industries.....	226,207	228,867	227,497	-1.2	0.6	1.8	206,465	222,818	220,232	198,918	206,465	198,918	3.8
Wood products.....	6,656	6,419	6,210	3.7	3.4	-1.7	5,796	5,550	5,860	5,203	5,796	5,203	11.4
Nonmetallic mineral products.....	8,203	8,154	8,165	0.6	-0.1	0.1	7,139	6,941	7,988	6,848	7,139	6,848	4.2
Primary metals.....	28,902	29,927	29,374	-3.4	1.9	4.6	28,397	25,712	27,017	28,015	28,397	28,015	1.4
Iron and steel mills.....	10,276	10,444	10,906	-1.6	-4.2	1.9	10,244	9,339	9,708	11,617	10,244	11,617	-11.8
Aluminum and nonferrous metals.....	16,870	17,715	16,684	-4.8	6.2	6.8	16,477	14,852	15,673	14,687	16,477	14,687	12.2
Ferrous metal foundries.....	1,756	1,768	1,784	-0.7	-0.9	0.7	1,676	1,521	1,636	1,711	1,756	1,711	-2.0
Fabricated metal products.....	27,671	27,288	27,387	1.4	-0.4	0.4	26,109	24,638	26,323	25,707	26,109	25,707	1.6
Machinery.....	33,190	33,272	33,645	-0.2	-1.1	3.2	29,590	33,976	31,908	26,842	29,590	26,842	10.2
Farm machinery.....	2,272	2,062	2,083	10.2	-1.0	21.5	2,107	1,640	1,599	2,160	2,107	2,160	-2.5
Construction machinery.....	5,668	5,836	5,944	-2.9	-1.8	6.7	5,039	6,126	6,087	3,623	5,039	3,623	39.1
Mining, oil field, and gas field machinery.....	2,008	2,004	2,072	0.2	-3.3	-2.2	1,866	2,267	1,934	1,794	1,866	1,794	4.0
Industrial machinery.....	3,597	3,557	3,615	1.1	-1.6	2.2	2,833	4,361	3,164	2,280	2,833	2,280	24.3
Photographic equipment.....	634	642	664	-1.2	-3.3	1.7	527	692	688	531	527	531	-0.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,201	3,145	3,223	1.8	-2.4	0.5	2,557	2,903	2,940	2,283	2,557	2,283	12.0
Metalworking machinery.....	2,655	2,595	2,601	2.3	-0.2	2.7	2,452	2,782	2,604	2,031	2,452	2,031	20.7
Turbines, generators, and other power transmission equipment.....	3,070	3,387	3,499	-9.4	-3.2	3.2	2,924	3,297	3,483	3,131	2,924	3,131	-6.6
Material handling equipment.....	2,889	2,906	2,864	-0.6	1.5	-0.8	2,613	2,918	2,812	2,390	2,613	2,390	9.3
Computers and electronic products <sup>2</sup> .....	27,205	28,144	27,795	-3.3	1.3	-0.5	24,774	30,873	26,815	25,909	24,774	25,909	-4.4
Computers.....	921	1,196	969	-23.0	23.4	11.9	746	1,441	949	1,245	746	1,245	-40.1
Computer storage devices.....	588	621	613	-5.3	1.3	-7.4	409	1,031	483	494	409	494	-17.2
Other peripheral equipment.....	802	933	842	-14.0	10.8	0.0	482	1,538	791	588	482	588	-18.0
Nondefense communications equipment.....	2,913	2,811	2,695	3.6	4.3	-3.5	2,311	3,635	2,666	2,144	2,311	2,144	7.8
Defense communications equipment.....	330	331	394	-0.3	-16.0	-20.6	300	324	420	341	300	341	-12.0
Audio and video equipment.....	249	256	256	-2.7	0.0	10.3	208	412	387	186	208	186	11.8
Electronic components.....	3,546	3,464	3,453	2.4	0.3	-0.7	3,216	3,742	3,333	3,172	3,216	3,172	1.4
Nondefense search and navigation equipment.....	1,290	1,337	1,292	-3.5	3.5	1.8	1,122	1,420	1,233	1,101	1,122	1,101	1.9
Defense search and navigation equipment.....	2,903	2,959	2,930	-1.9	1.0	-1.8	2,481	3,323	2,998	2,533	2,481	2,533	-2.1
Electromedical, measuring, and control instruments.....	6,148	6,309	6,495	-2.6	-2.9	4.0	5,372	7,039	6,337	6,097	5,372	6,097	-11.9
Electrical equipment, appliances, and components.....	10,066	10,026	9,998	0.4	0.3	1.5	9,109	9,582	9,846	8,868	9,109	8,868	2.7
Electric lighting equipment.....	914	894	880	2.2	1.6	-0.5	867	926	858	861	867	861	0.7
Household appliances.....	1,602	1,567	1,593	2.2	-1.6	-1.0	1,319	1,447	1,623	1,237	1,319	1,237	6.6
Electrical equipment.....	3,014	3,076	3,008	-2.0	2.3	1.5	2,654	3,001	2,786	2,712	2,654	2,712	-2.1
Batteries.....	1,045	1,029	1,035	1.6	-0.6	6.2	915	1,003	1,259	832	915	832	10.0
Transportation equipment.....	64,807	66,236	65,709	-2.2	0.8	2.4	57,216	66,161	65,521	53,993	57,216	53,993	6.0
Automobiles.....	10,148	10,094	9,881	0.5	2.2	8.9	9,820	9,113	9,929	7,331	9,820	7,331	34.0
Light trucks and utility vehicles.....	13,487	13,077	12,947	3.1	1.0	1.2	12,270	12,043	12,958	10,737	12,270	10,737	14.3
Heavy duty trucks.....	2,186	2,258	2,254	-3.2	0.2	3.0	1,992	2,191	2,140	2,382	1,992	2,382	-16.4
Motor vehicle bodies, parts, and trailers.....	18,386	18,873	19,157	-2.6	-1.5	2.3	17,527	16,203	19,053	17,347	17,527	17,347	1.0
Nondefense aircraft and parts.....	10,080	10,664	10,529	-5.5	1.3	0.5	7,268	14,091	10,568	7,156	7,268	7,156	1.6
Defense aircraft and parts.....	4,247	4,917	4,744	-13.6	3.6	4.8	3,260	5,839	4,811	3,857	3,260	3,857	-15.5
Ships and boats.....	2,189	2,254	2,251	-2.9	0.1	-1.1	1,830	2,270	2,185	1,943	1,830	1,943	-5.8
Furniture and related products.....	5,436	5,464	5,430	-0.5	0.6	-0.1	5,143	5,246	5,201	4,980	5,143	4,980	3.3
Miscellaneous durable goods.....	14,071	13,937	13,784	1.0	1.1	1.2	13,192	14,139	13,753	12,553	13,192	12,553	5.1
Nondurable goods industries.....	255,601	253,973	255,560	0.6	-0.6	-1.0	243,185	242,374	248,888	237,363	243,185	237,363	2.5
Food products.....	62,372	62,254	61,980	0.2	0.4	0.9	60,755	62,154	64,050	58,549	60,755	58,549	3.8
Grain and oilseed milling.....	8,428	8,458	8,508	-0.4	-0.6	1.9	8,452	8,435	9,015	7,993	8,452	7,993	5.7
Dairy products.....	8,498	8,515	8,581	-0.2	-0.8	1.3	8,281	8,442	8,941	8,273	8,281	8,273	0.1
Meat, poultry, and seafood products.....	16,943	17,025	16,884	-0.5	0.8	0.4	16,200	16,789	17,083	16,142	16,200	16,142	0.4
Beverage and tobacco products.....	12,155	12,156	12,772	0.0	-4.8	1.4	10,899	12,061	12,833	10,456	10,899	10,456	4.2
Beverages.....	9,217	9,414	9,204	-2.1	2.3	0.6	7,961	9,319	9,265	7,584	7,961	7,584	5.0
Tobacco.....	2,938	2,742	3,568	7.1	-23.2	3.7	2,938	2,742	3,568	2,872	2,938	2,872	2.3
Textile mills.....	2,490	2,497	2,498	-0.3	0.0	0.5	2,334	2,168	2,377	2,313	2,334	2,313	0.9
Textile products.....	1,995	1,970	1,975	1.3	-0.3	-0.1	1,787	1,713	1,902	1,736	1,787	1,736	2.9
Apparel.....	1,283	1,253	1,280	2.4	-2.1	-3.5	1,166	1,159	1,474	1,157	1,166	1,157	0.8
Leather and allied products.....	498	470	444	6.0	5.9	-2.8	422	436	407	377	422	377	11.9
Paper products.....	13,709	13,791	13,877	-0.6	-0.6	-0.5	13,504	13,310	13,604	13,652	13,504	13,652	-1.1
Pulp, paper, and paperboard mills.....	6,503	6,513	6,592	-0.2	-1.2	0.2	6,517	6,387	6,373	6,521	6,517	6,521	-0.1
Paperboard containers.....	4,037	4,043	4,047	-0.1	-0.1	-0.2	3,937	3,787	3,970	3,935	3,937	3,935	0.1
Printing.....	6,681	6,553	6,613	2.0	-0.9	-1.8	6,315	6,518	6,847	6,167	6,315	6,167	2.4
Petroleum and coal products.....	73,961	73,038	73,687	1.3	-0.9	-4.8	69,211	68,860	69,612	66,621	69,211	66,621	3.9
Petroleum refineries.....	69,267	68,831	69,512	0.6	-1.0	-5.1	65,714	65,854	65,841	63,440	65,714	63,440	3.6
Chemical products.....	62,754	62,569	62,698	0.3	-0.2	0.5	59,933	58,520	59,004	60,060	59,933	60,060	-0.2
Pesticides, fertilizers, and other agricultural chemicals.....	3,232	3,423	3,618	-5.6	-5.4	7.2	2,674	2,643	3,013	2,663	2,674	2,663	0.4
Pharmaceuticals and medicines.....	13,684	13,393	13,173	2.2	1.7	-2.1	13,341	13,377	13,092	13,784	13,341	13,784	-3.2
Paints, coatings, and adhesives.....	2,856	2,817	2,786	1.4	1.1	1.7	2,572	2,215	2,433	2,549	2,572	2,549	0.9
Plastics and rubber products.....	17,703	17,422	17,736	1.6	-1.8	1.3	16,859	15,475	16,778	16,275	16,859	16,275	3.6

<sup>2</sup> Preliminary<sup>1</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> Estimates and percent changes of shipments for the semiconductor industry are no longer shown separately, but are included in computers and electronic products, and all other applicable aggregate totals.

Table 2. Value of Manufacturers' New Orders for Industry Groups<sup>1</sup>

[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		
	Jan. 2013 <sup>P</sup>	Dec. 2012 <sup>F</sup>	Nov. 2012	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2013 <sup>P</sup>	Dec. 2012 <sup>F</sup>	Nov. 2012	Jan. 2012	2013 <sup>P</sup>	2012	Percent 2013/2012
All manufacturing industries <sup>2</sup> .....	472,865	482,418	476,116	-2.0	1.3	-0.3	447,840	481,389	458,624	442,681	447,840	442,681	1.2
Excluding transportation <sup>2</sup> .....	413,244	408,041	408,439	1.3	-0.1	-0.2	393,818	391,858	392,842	382,346	393,818	382,346	3.0
Excluding defense <sup>2</sup> .....	465,573	464,155	465,055	0.3	-0.2	-0.3	440,178	457,352	449,410	433,191	440,178	433,191	1.6
With unfilled orders <sup>2</sup> .....	155,860	168,046	160,981	-7.3	4.4	-0.1	148,674	182,090	151,307	154,453	148,674	154,453	-3.7
Durable goods industries <sup>2</sup> .....	217,264	228,445	220,556	-4.9	3.6	0.6	204,655	239,015	209,736	205,318	204,655	205,318	-0.3
Primary metals.....	28,036	29,118	28,650	-3.7	1.6	0.0	28,931	25,675	26,903	29,201	28,931	29,201	-0.9
Iron and steel mills.....	9,500	9,965	10,560	-4.7	-5.6	-5.8	10,614	9,460	9,742	12,534	10,614	12,534	-15.3
Aluminum and nonferrous metals.....	16,805	17,407	16,404	-3.5	6.1	4.8	16,584	14,673	15,602	14,797	16,584	14,797	12.1
Ferrous metal foundries.....	1,731	1,746	1,686	-0.9	3.6	-5.3	1,733	1,542	1,559	1,870	1,733	1,870	-7.3
Fabricated metal products.....	29,335	29,011	27,875	1.1	4.1	2.6	28,731	26,045	25,702	26,421	28,731	26,421	8.7
Machinery.....	35,533	30,742	31,694	15.6	-3.0	2.3	34,218	30,607	29,519	30,871	34,218	30,871	10.8
Construction machinery.....	6,942	4,412	4,438	57.3	-0.6	2.7	7,156	4,803	4,721	5,208	7,156	5,208	37.4
Mining, oil field, and gas field machinery.....	2,227	2,480	2,203	-10.2	12.6	8.4	2,363	2,412	1,904	2,194	2,363	2,194	7.7
Industrial machinery.....	3,448	3,323	3,407	3.8	-2.5	7.8	2,956	3,979	2,896	2,521	2,956	2,521	17.3
Photographic equipment.....	621	608	800	2.1	-24.0	20.1	635	456	795	679	635	679	-6.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,222	3,014	3,190	6.9	-5.5	-10.2	2,546	2,680	2,695	2,234	2,546	2,234	14.0
Metalworking machinery.....	2,621	2,543	2,454	3.1	3.6	-4.4	2,619	2,703	2,390	2,318	2,619	2,318	13.0
Turbines, generators, and other power transmission equipment.....	4,135	2,893	3,294	42.9	-12.2	9.5	4,008	3,151	3,322	3,932	4,008	3,932	1.9
Material handling equipment.....	3,006	2,840	2,928	5.8	-3.0	3.0	2,818	2,891	2,827	2,538	2,818	2,538	11.0
Computers and electronic products <sup>2</sup> .....	20,426	21,412	20,848	-4.6	2.7	0.8	17,899	26,674	18,976	19,346	17,899	19,346	-7.5
Computers.....	886	1,162	1,102	-23.8	5.4	19.9	711	1,407	1,082	1,204	711	1,204	-40.9
Nondefense communications equipment.....	3,510	3,441	3,253	2.0	5.8	5.1	2,970	4,393	2,602	2,368	2,970	2,368	25.4
Defense communications equipment.....	286	524	404	-45.4	29.7	2.5	272	695	256	281	272	281	-3.2
Electronic components.....	3,528	3,575	3,553	-1.3	0.6	-1.6	3,366	3,820	3,341	3,286	3,366	3,286	2.4
Nondefense search and navigation equipment.....	1,503	1,575	1,503	-4.6	4.8	-10.7	1,448	1,345	1,561	1,370	1,448	1,370	5.7
Defense search and navigation equipment.....	2,479	2,530	2,610	-2.0	-3.1	-3.5	2,047	3,975	2,269	2,560	2,047	2,560	-20.0
Electromedical, measuring, and control instruments.....	6,053	6,300	6,237	-3.9	1.0	3.2	5,501	7,513	5,671	6,556	5,501	6,556	-16.1
Electrical equipment, appliances, and components.....	9,997	9,891	10,231	1.1	-3.3	2.7	9,661	9,179	10,019	9,621	9,661	9,621	0.4
Electric lighting equipment.....	929	913	922	1.8	-1.0	0.7	888	877	878	846	888	846	5.0
Household appliances.....	1,501	1,625	1,596	-7.6	1.8	-1.4	1,340	1,433	1,649	1,333	1,340	1,333	0.5
Electrical equipment.....	3,060	3,228	3,138	-5.2	2.9	2.3	2,915	2,964	2,953	3,129	2,915	3,129	-6.8
Transportation equipment.....	59,621	74,377	67,677	-19.8	9.9	-0.7	54,022	89,531	65,782	60,335	54,022	60,335	-10.5
Motor vehicle bodies, parts, and trailers.....	18,323	18,656	18,933	-1.8	-1.5	1.6	17,596	16,343	19,300	17,332	17,596	17,332	1.5
Nondefense aircraft and parts.....	8,158	12,361	12,770	-34.0	-3.2	-12.8	5,045	27,445	11,906	13,392	5,045	13,392	-62.3
Defense aircraft and parts.....	2,903	8,020	5,060	-63.8	58.5	-10.7	3,427	10,438	4,766	4,308	3,427	4,308	-20.5
Ships and boats.....	1,293	5,022	1,609	-74.3	212.1	-4.6	1,815	5,065	1,379	2,258	1,815	2,258	-19.6
Furniture and related products.....	5,371	5,390	5,363	-0.4	0.5	-1.2	5,051	4,680	5,175	4,955	5,051	4,955	1.9
Nondurable goods industries.....	255,601	253,973	255,560	0.6	-0.6	-1.0	243,185	242,374	248,888	237,363	243,185	237,363	2.5

<sup>P</sup> Preliminary<sup>F</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

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/>>.

**Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups<sup>1</sup>**

[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				Percent Change Jan. 13/12
	Monthly			Percent Change			Monthly				
	Jan. 2013 <sup>p</sup>	Dec. 2012 <sup>r</sup>	Nov. 2012	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2013 <sup>p</sup>	Dec. 2012 <sup>r</sup>	Nov. 2012	Jan. 2012	
All manufacturing industries <sup>2</sup> .....	988,886	990,856	983,846	-0.2	0.7	0.0	994,800	988,968	966,348	979,878	1.5
Excluding transportation <sup>2</sup> .....	406,272	403,056	404,187	0.8	-0.3	-0.4	404,236	395,210	395,960	412,870	-2.1
Excluding defense <sup>2</sup> .....	795,100	794,024	793,916	0.1	0.0	0.0	799,750	793,175	781,822	789,814	1.3
Durable goods industries <sup>2</sup> .....	988,886	990,856	983,846	-0.2	0.7	0.0	994,800	988,968	966,348	979,878	1.5
Primary metals.....	29,558	30,424	31,233	-2.8	-2.6	-2.3	30,469	29,935	29,972	37,188	-18.1
Iron and steel mills.....	16,038	16,814	17,293	-4.6	-2.8	-2.0	16,723	16,353	16,232	21,336	-21.6
Aluminum and nonferrous metals.....	10,256	10,321	10,629	-0.6	-2.9	-2.6	10,440	10,333	10,512	12,336	-15.4
Ferrous metal foundries.....	3,264	3,289	3,311	-0.8	-0.7	-2.9	3,306	3,249	3,228	3,516	-6.0
Fabricated metal products.....	86,628	84,964	83,241	2.0	2.1	0.6	84,786	82,164	80,757	78,085	8.6
Machinery.....	123,894	121,551	124,081	1.9	-2.0	-1.5	123,402	118,774	122,143	138,491	-10.9
Construction machinery.....	19,981	18,707	20,131	6.8	-7.1	-7.0	20,186	18,069	19,392	28,404	-28.9
Mining, oil field, and gas field machinery.....	19,428	19,209	18,733	1.1	2.5	0.7	19,336	18,839	18,694	20,591	-6.1
Industrial machinery.....	7,194	7,343	7,577	-2.0	-3.1	-2.7	7,200	7,077	7,459	8,637	-16.6
Photographic equipment.....	2,974	2,987	3,021	-0.4	-1.1	4.7	2,922	2,814	3,050	2,610	12.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,677	8,656	8,787	0.2	-1.5	-0.4	8,003	8,014	8,237	8,341	-4.1
Metalworking machinery.....	6,970	7,004	7,056	-0.5	-0.7	-2.0	6,999	6,832	6,911	7,595	-7.8
Turbines, generators, and other power transmission equipment.....	26,126	25,061	25,555	4.2	-1.9	-0.8	26,330	25,246	25,392	28,298	-7.0
Material handling equipment.....	8,193	8,076	8,142	1.4	-0.8	0.8	8,121	7,916	7,943	7,881	3.0
Computers and electronic products <sup>2</sup> .....	138,066	137,872	137,172	0.1	0.5	0.3	138,009	137,242	135,018	131,104	5.3
Computers.....	1,306	1,341	1,375	-2.6	-2.5	10.7	1,306	1,341	1,375	1,115	17.1
Nondefense communications equipment.....	30,462	29,865	29,235	2.0	2.2	1.9	30,390	29,731	28,973	25,611	18.7
Defense communications equipment.....	5,207	5,251	5,058	-0.8	3.8	0.2	5,193	5,221	4,850	5,514	-5.8
Electronic components.....	13,451	13,469	13,358	-0.1	0.8	0.8	13,475	13,325	13,247	13,182	2.2
Nondefense search and navigation equipment.....	14,567	14,354	14,116	1.5	1.7	1.5	14,484	14,158	14,233	10,346	40.0
Defense search and navigation equipment.....	44,540	44,964	45,393	-0.9	-0.9	-0.7	44,557	44,991	44,339	45,875	-2.9
Electromedical, measuring, and control instruments.....	28,533	28,628	28,637	-0.3	0.0	-0.9	28,604	28,475	28,001	29,461	-2.9
Electrical equipment, appliances, and components.....	20,898	20,967	21,102	-0.3	-0.6	1.1	20,904	20,352	20,755	21,481	-2.7
Electric lighting equipment.....	1,138	1,123	1,104	1.3	1.7	4.0	1,099	1,078	1,127	1,020	7.7
Household appliances.....	635	736	678	-13.7	8.6	0.4	674	653	667	745	-9.5
Electrical equipment.....	10,085	10,039	9,887	0.5	1.5	1.3	10,028	9,767	9,804	9,923	1.1
Transportation equipment.....	582,614	587,800	579,659	-0.9	1.4	0.3	590,564	593,758	570,388	567,008	4.2
Motor vehicle bodies, parts, and trailers.....	15,520	15,583	15,800	-0.4	-1.4	-1.4	15,903	15,834	15,694	17,103	-7.0
Nondefense aircraft and parts.....	409,943	411,865	410,168	-0.5	0.4	0.5	415,995	418,218	404,864	391,993	6.1
Defense aircraft and parts.....	64,922	66,266	63,163	-2.0	4.9	0.5	66,069	65,902	61,303	59,807	10.5
Ships and boats.....	18,437	19,333	16,565	-4.6	16.7	-3.7	18,577	18,592	15,797	22,103	-16.0
Furniture and related products.....	6,246	6,311	6,385	-1.0	-1.2	-1.0	5,684	5,776	6,342	5,647	0.7

<sup>p</sup> Preliminary<sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data.

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

**Table 4. Value of Manufacturers' Inventories for Industry Groups<sup>1</sup>**

[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				Percent Change Jan. 13/12
	Jan. 2013 <sup>p</sup>	Dec. 2012 <sup>f</sup>	Nov. 2012	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2013 <sup>p</sup>	Dec. 2012 <sup>f</sup>	Nov. 2012	Jan. 2012	
All manufacturing industries.....	618,399	615,153	614,983	0.5	0.0	0.0	614,438	598,586	615,002	600,549	2.3
Excluding transportation.....	502,464	500,368	500,425	0.4	0.0	-0.2	499,182	487,504	500,000	495,299	0.8
Excluding defense.....	592,072	588,896	588,678	0.5	0.0	-0.2	588,048	572,518	588,660	574,845	2.3
With unfilled orders.....	304,675	303,675	303,825	0.3	0.0	0.2	303,102	294,643	304,135	290,485	4.3
Durable goods industries.....	375,013	374,087	374,554	0.2	-0.1	0.1	373,328	363,534	375,163	359,164	3.9
Wood products.....	9,438	9,290	9,157	1.6	1.5	0.8	9,631	9,234	9,223	8,958	7.5
Nonmetallic mineral products.....	11,616	11,561	11,604	0.5	-0.4	-0.3	11,608	11,320	11,322	11,440	1.5
Primary metals.....	34,654	34,738	34,575	-0.2	0.5	0.1	34,247	34,115	33,931	34,524	-0.8
Iron and steel mills.....	19,983	20,149	20,133	-0.8	0.1	0.7	19,619	19,671	19,617	20,611	-4.8
Aluminum and nonferrous metals.....	12,550	12,464	12,329	0.7	1.1	-0.7	12,498	12,357	12,211	11,807	5.9
Ferrous metal foundries.....	2,121	2,125	2,113	-0.2	0.6	-0.9	2,130	2,087	2,103	2,106	1.1
Fabricated metal products.....	45,954	45,988	46,021	-0.1	-0.1	-0.4	45,816	45,076	45,644	45,362	1.0
Machinery.....	65,437	66,063	66,503	-0.9	-0.7	-0.5	65,186	63,496	67,089	63,341	2.9
Farm machinery.....	3,762	3,782	3,807	-0.5	-0.7	0.2	3,933	3,811	3,657	3,753	4.8
Construction machinery.....	5,055	5,349	5,702	-5.5	-6.2	-4.4	4,985	5,221	5,745	5,440	-8.4
Mining, oil field, and gas field machinery.....	7,958	8,015	7,948	-0.7	0.8	0.6	7,831	7,649	7,886	7,086	10.5
Industrial machinery.....	7,115	7,120	7,170	-0.1	-0.7	-0.2	7,048	6,948	7,330	7,316	-3.7
Photographic equipment.....	1,537	1,508	1,456	1.9	3.6	0.1	1,567	1,419	1,519	1,431	9.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,267	4,212	4,143	1.3	1.7	1.6	4,066	3,820	4,073	3,755	8.3
Metalworking machinery.....	5,688	5,652	5,581	0.6	1.3	0.3	5,540	5,452	5,634	5,063	9.4
Turbines, generators, and other power transmission equipment.....	10,249	10,702	10,899	-4.2	-1.8	-1.3	10,112	9,886	11,320	10,200	-0.9
Material handling equipment.....	4,352	4,303	4,387	1.1	-1.9	-2.2	4,308	4,094	4,461	3,960	8.8
Computers and electronic products <sup>2</sup> .....	46,324	46,317	46,538	0.0	-0.5	0.1	46,167	45,053	47,157	45,405	1.7
Computers.....	1,085	1,023	1,096	6.1	-6.7	-6.7	1,039	960	1,156	1,220	-14.8
Computer storage devices.....	1,085	1,090	1,090	-0.5	0.0	3.0	1,040	1,004	1,130	1,045	-0.5
Other peripheral equipment.....	1,627	1,591	1,629	2.3	-2.3	-1.0	1,599	1,454	1,692	1,698	-5.8
Nondefense communications equipment.....	6,932	6,897	6,915	0.5	-0.3	-0.3	7,008	6,740	7,186	6,878	1.9
Defense communications equipment.....	1,375	1,327	1,356	3.6	-2.1	-9.0	1,375	1,327	1,356	1,760	-21.9
Audio and video equipment.....	714	697	605	2.4	15.2	-10.9	688	670	666	581	18.4
Electronic components.....	7,471	7,569	7,406	-1.3	2.2	1.0	7,621	7,347	7,424	7,216	5.6
Nondefense search and navigation equipment.....	3,523	3,459	3,441	1.9	0.5	2.1	3,487	3,353	3,426	3,217	8.4
Defense search and navigation equipment.....	2,847	2,776	2,795	2.6	-0.7	2.9	2,821	2,646	2,757	2,727	3.4
Electromedical, measuring and control instruments.....	12,297	12,233	12,149	0.5	0.7	1.7	12,337	11,850	12,351	11,644	6.0
Electrical equipment, appliances, and components.....	15,701	15,472	15,660	1.5	-1.2	-0.5	15,671	14,858	15,533	15,424	1.6
Electric lighting equipment.....	1,850	1,841	1,791	0.5	2.8	0.2	1,832	1,752	1,753	1,829	0.2
Household appliances.....	1,698	1,703	1,677	-0.3	1.6	0.6	1,694	1,541	1,622	1,688	0.4
Electrical equipment.....	4,578	4,517	4,605	1.4	-1.9	-0.3	4,612	4,401	4,683	4,691	-1.7
Batteries.....	1,022	1,011	1,000	1.1	1.1	-2.4	999	924	953	1,024	-2.4
Transportation equipment.....	115,935	114,785	114,558	1.0	0.2	0.9	115,256	111,082	115,002	105,250	9.5
Automobiles.....	2,982	3,264	3,130	-8.6	4.3	3.5	2,968	3,182	3,225	2,678	10.8
Light trucks and utility vehicles.....	2,769	2,681	2,667	3.3	0.5	-0.4	2,641	2,327	2,778	2,551	3.5
Heavy duty trucks.....	2,259	2,154	2,261	4.9	-4.7	3.7	2,249	2,026	2,346	1,934	16.3
Motor vehicle bodies, parts, and trailers.....	17,407	17,510	17,600	-0.6	-0.5	-0.4	17,650	17,257	17,565	17,811	-0.9
Nondefense aircraft and parts.....	63,695	62,154	62,080	2.5	0.1	0.4	62,918	59,693	62,184	54,550	15.3
Defense aircraft and parts.....	13,814	13,816	13,629	0.0	1.4	3.4	13,728	13,659	13,652	13,024	5.4
Ships and boats.....	2,944	3,007	3,012	-2.1	-1.8	-1.8	2,962	3,006	3,011	2,922	1.4
Furniture and related products.....	6,265	6,266	6,248	0.0	0.3	0.7	6,219	6,147	6,284	5,966	4.2
Miscellaneous durable goods.....	23,689	23,607	23,690	0.3	-0.4	0.0	23,527	23,153	23,978	23,494	0.1
Nondurable goods industries.....	243,386	241,066	240,429	1.0	0.3	-0.3	241,110	235,052	239,839	241,385	-0.1
Food products.....	45,877	46,026	45,948	-0.3	0.2	0.1	45,779	46,175	47,874	44,794	2.2
Grain and oilseed milling.....	5,290	5,365	5,458	-1.4	-1.7	-1.9	5,423	5,613	5,546	5,269	2.9
Dairy products.....	5,970	6,046	5,954	-1.3	1.5	0.6	5,773	5,617	5,699	5,757	0.3
Meat, poultry, and seafood products.....	8,005	7,948	7,887	0.7	0.8	0.2	7,887	7,873	8,215	7,485	5.4
Beverage and tobacco products.....	18,971	19,022	18,981	-0.3	0.2	0.0	19,239	19,056	19,291	18,312	5.1
Beverages.....	15,240	15,285	15,225	-0.3	0.4	0.1	15,286	15,199	15,426	14,356	6.5
Tobacco.....	3,731	3,737	3,756	-0.2	-0.5	-0.3	3,953	3,857	3,865	3,956	-0.1
Textile mills.....	3,331	3,338	3,349	-0.2	-0.3	-0.8	3,331	3,298	3,317	3,501	-4.9
Textile products.....	3,206	3,207	3,208	0.0	0.0	1.1	3,208	3,134	3,169	3,220	-0.4
Apparel.....	2,429	2,433	2,474	-0.2	-1.7	2.3	2,435	2,314	2,392	2,253	8.1
Leather and allied products.....	863	876	868	-1.5	0.9	1.9	877	860	868	820	7.0
Paper products.....	14,046	14,019	13,959	0.2	0.4	-0.2	14,050	13,925	13,895	14,234	-1.3
Pulp, paper, and paperboard mills.....	5,970	5,979	5,980	-0.2	0.0	-0.4	5,978	5,975	5,917	6,350	-5.9
Paperboard containers.....	4,128	4,127	4,108	0.0	0.5	-0.4	4,168	4,110	4,070	4,039	3.2
Printing.....	5,330	5,345	5,313	-0.3	0.6	1.0	5,182	5,053	5,293	5,249	-1.3
Petroleum and coal products.....	53,775	52,914	53,094	1.6	-0.3	-2.0	51,615	49,857	51,642	53,606	-3.7
Petroleum refineries.....	49,578	48,634	48,909	1.9	-0.6	-2.0	47,352	45,623	47,522	49,336	-4.0
Chemical products.....	73,881	72,216	71,586	2.3	0.9	0.2	73,849	70,431	70,906	74,135	-0.4
Pesticides, fertilizers, and other agricultural chemicals.....	4,040	4,089	4,144	-1.2	-1.3	1.2	4,642	4,356	4,027	4,753	-2.3
Pharmaceuticals and medicines.....	24,989	24,189	23,634	3.3	2.3	0.2	24,766	23,215	23,450	24,251	2.1
Paints, coatings, and adhesives.....	2,859	2,879	2,860	-0.7	0.7	-0.6	2,870	2,721	2,739	2,962	-3.1
Plastics and rubber products.....	21,677	21,670	21,649	0.0	0.1	0.2	21,545	20,949	21,192	21,261	1.3

<sup>p</sup> Preliminary<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.<sup>1</sup> 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 change.<sup>2</sup> Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable aggregate totals, but are not shown separate.

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

**Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series<sup>1,2</sup>**

[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						Percent Change <sup>6</sup> 2013/ 2012
	Monthly			Percent Change			Monthly			Year to date			
	Jan. 2013 <sup>p</sup>	Dec. 2012 <sup>f</sup>	Nov. 2012	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2013 <sup>p</sup>	Dec. 2012 <sup>f</sup>	Nov. 2012	Jan. 2012	2013 <sup>p</sup>	2012	
<b>SHIPMENTS</b>													
All manufacturing industries.....	481,808	482,840	483,057	-0.2	0.0	0.3	449,650	465,192	469,120	436,281	449,650	436,281	3.1
Construction materials and supplies.....	42,309	41,070	40,939	3.0	0.3	0.2	37,166	35,243	38,989	35,555	37,166	35,555	4.5
Information technology.....	20,811	21,350	21,107	-2.5	1.2	0.7	17,797	24,605	20,805	18,939	17,797	18,939	-6.0
Computers and related products.....	2,311	2,750	2,424	-16.0	13.4	2.3	1,637	4,010	2,223	2,327	1,637	2,327	-29.7
Motor vehicle and parts.....	44,207	44,302	44,239	-0.2	0.1	3.4	41,609	39,550	44,080	37,797	41,609	37,797	10.1
Capital goods.....	78,473	80,796	79,945	-2.9	1.1	1.7	67,768	88,352	77,719	66,643	67,768	66,643	1.7
Nondefense capital goods <sup>3</sup> .....	70,473	71,766	71,416	-1.8	0.5	1.6	61,182	78,531	69,015	59,674	61,182	59,674	2.5
Excluding aircraft.....	63,822	64,546	64,459	-1.1	0.1	2.2	56,946	68,430	61,943	55,439	56,946	55,439	2.7
Defense capital goods <sup>4</sup> .....	8,000	9,030	8,529	-11.4	5.9	2.3	6,586	9,821	8,704	6,969	6,586	6,969	-5.5
Consumer goods.....	209,297	207,901	208,290	0.7	-0.2	-1.1	199,282	201,471	206,280	190,358	199,282	190,358	4.7
Consumer durable goods.....	36,825	36,214	35,686	1.7	1.5	2.9	34,049	33,831	35,544	29,527	34,049	29,527	15.3
Consumer nondurable goods.....	172,472	171,687	172,604	0.5	-0.5	-1.9	165,233	167,640	170,736	160,831	165,233	160,831	2.7
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	472,865	482,418	476,116	-2.0	1.3	-0.3	447,840	481,389	458,624	442,681	447,840	442,681	1.2
Construction materials and supplies.....	42,267	40,957	40,757	3.2	0.5	-0.8	37,405	34,978	38,067	35,904	37,405	35,904	4.2
Information technology.....	20,981	21,541	21,635	-2.6	-0.4	2.4	18,771	26,212	19,710	20,220	18,771	20,220	-7.2
Computers and related products.....	2,276	2,716	2,557	-16.2	6.2	5.5	1,602	3,976	2,356	2,286	1,602	2,286	-29.9
Motor vehicle and parts.....	44,144	44,085	44,015	0.1	0.2	3.1	41,678	39,690	44,327	37,782	41,678	37,782	10.3
Capital goods.....	77,297	88,133	79,047	-12.3	11.5	-1.7	71,139	109,038	72,306	79,307	71,139	79,307	-10.3
Nondefense capital goods <sup>3</sup> .....	72,390	71,934	71,229	0.6	1.0	-2.2	65,867	88,389	66,277	71,947	65,867	71,947	-8.5
Excluding aircraft.....	67,914	63,346	63,846	7.2	-0.8	3.3	64,516	66,309	59,586	61,141	64,516	61,141	5.5
Defense capital goods <sup>4</sup> .....	4,907	16,199	7,818	-69.7	107.2	2.8	5,272	20,649	6,029	7,360	5,272	7,360	-28.4
Consumer goods.....	209,194	207,913	208,289	0.6	-0.2	-1.2	199,361	201,299	206,396	190,489	199,361	190,489	4.7
Consumer durable goods.....	36,722	36,226	35,685	1.4	1.5	2.8	34,128	33,659	35,660	29,658	34,128	29,658	15.1
Consumer nondurable goods.....	172,472	171,687	172,604	0.5	-0.5	-1.9	165,233	167,640	170,736	160,831	165,233	160,831	2.7
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	988,886	990,856	983,846	-0.2	0.7	0.0	994,800	988,968	966,348	979,878	(X)	(X)	1.5
Construction materials and supplies.....	55,643	55,685	55,798	-0.1	-0.2	-0.3	54,211	53,972	54,237	54,146	(X)	(X)	0.1
Information technology.....	136,629	136,459	136,268	0.1	0.1	0.4	136,559	135,585	133,978	130,325	(X)	(X)	4.8
Computers and related products.....	1,306	1,341	1,375	-2.6	-2.5	10.7	1,306	1,341	1,375	1,115	(X)	(X)	17.1
Motor vehicle and parts.....	15,520	15,583	15,800	-0.4	-1.4	-1.4	15,903	15,834	15,694	17,103	(X)	(X)	-7.0
Capital goods.....	754,165	755,341	748,004	-0.2	1.0	-0.1	759,275	755,904	735,218	742,110	(X)	(X)	2.3
Nondefense capital goods <sup>3</sup> .....	586,069	584,152	583,984	0.3	0.0	0.0	590,345	585,660	575,802	576,388	(X)	(X)	2.4
Excluding aircraft.....	236,034	231,942	233,142	1.8	-0.5	-0.3	234,843	227,273	229,394	239,109	(X)	(X)	-1.8
Defense capital goods <sup>4</sup> .....	168,096	171,189	164,020	-1.8	4.4	-0.4	168,930	170,244	159,416	165,722	(X)	(X)	1.9
Consumer goods.....	3,959	4,062	4,050	-2.5	0.3	0.0	3,907	3,828	4,000	3,878	(X)	(X)	0.7
Consumer durable goods.....	3,959	4,062	4,050	-2.5	0.3	0.0	3,907	3,828	4,000	3,878	(X)	(X)	0.7
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	618,399	615,153	614,983	0.5	0.0	0.0	614,438	598,586	615,002	600,549	(X)	(X)	2.3
Construction materials and supplies.....	59,774	59,707	59,458	0.1	0.4	0.2	59,713	58,250	58,724	58,441	(X)	(X)	2.2
Information technology.....	39,897	39,321	39,455	1.5	-0.3	0.1	39,808	37,976	40,106	38,716	(X)	(X)	2.8
Computers and related products.....	3,797	3,704	3,815	2.5	-2.9	-1.6	3,678	3,418	3,978	3,963	(X)	(X)	-7.2
Motor vehicle and parts.....	25,417	25,609	25,658	-0.7	-0.2	0.4	25,508	24,792	25,914	24,974	(X)	(X)	2.1
Capital goods.....	195,740	194,035	195,072	0.9	-0.5	0.4	194,307	187,344	196,798	182,394	(X)	(X)	6.5
Nondefense capital goods <sup>3</sup> .....	174,163	172,581	173,578	0.9	-0.6	0.1	172,581	165,922	175,290	161,579	(X)	(X)	6.8
Excluding aircraft.....	120,712	120,651	121,557	0.1	-0.7	-0.1	119,959	116,345	123,199	116,266	(X)	(X)	3.2
Defense capital goods <sup>4</sup> .....	21,577	21,454	21,494	0.6	-0.2	2.9	21,726	21,422	21,508	20,815	(X)	(X)	4.4
Consumer goods.....	183,243	181,927	181,212	0.7	0.4	-0.5	181,201	177,048	182,115	180,433	(X)	(X)	0.4
Consumer durable goods.....	25,501	25,784	25,526	-1.1	1.0	0.0	25,717	24,988	25,861	25,195	(X)	(X)	2.1
Consumer nondurable goods.....	157,742	156,143	155,686	1.0	0.3	-0.6	155,484	152,060	156,254	155,238	(X)	(X)	0.2

X Not Applicable    <sup>p</sup> Preliminary    <sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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 adjust 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 change.

<sup>2</sup> Topical series are regroupings of the separate industry categories.

<sup>3</sup> Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machine vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compresso material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigati equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling sto ships and boats; office and institutional furniture; and medical equipment and supplie

<sup>4</sup> Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boar and search and navigation equipment.

<sup>5</sup> Estimates and percent changes exclude semiconductor industry data.

<sup>6</sup> Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.

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

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group<sup>1</sup>

[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				Percent Change Jan. 13/12
	Jan. 2013 <sup>p</sup>	Dec. 2012 <sup>f</sup>	Nov. 2012	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2013 <sup>p</sup>	Dec. 2012 <sup>f</sup>	Nov. 2012	Jan. 2012	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	203,000	202,115	202,250	0.4	-0.1	-0.6	202,947	199,726	200,814	200,341	1.3
Durable goods industries.....	121,173	120,859	121,135	0.3	-0.2	-0.2	121,467	119,955	121,143	118,578	2.4
Wood products.....	3,705	3,598	3,440	3.0	4.6	-2.5	3,894	3,747	3,584	3,670	6.1
Nonmetallic mineral products.....	4,665	4,607	4,632	1.3	-0.5	0.9	4,670	4,562	4,609	4,696	-0.6
Primary metals.....	13,469	13,270	13,251	1.5	0.1	0.5	13,477	13,379	13,203	13,334	1.1
Fabricated metal products.....	16,589	16,469	16,694	0.7	-1.3	-1.2	16,627	16,464	16,561	16,653	-0.2
Machinery.....	25,161	25,489	25,679	-1.3	-0.7	-1.0	25,084	24,640	25,755	24,584	2.0
Computers and electronic products.....	18,095	18,021	17,813	0.4	1.2	0.2	18,148	17,912	17,947	16,925	7.2
Electrical equipment, appliances, and components.....	6,880	6,830	6,902	0.7	-1.0	-0.9	6,898	6,724	6,826	6,808	1.3
Transportation equipment.....	22,062	22,034	22,091	0.1	-0.3	1.4	22,107	22,099	22,036	21,112	4.7
Furniture and related products.....	2,967	2,920	2,954	1.6	-1.2	-0.5	2,960	2,916	2,946	2,922	1.3
Miscellaneous products.....	7,580	7,621	7,679	-0.5	-0.8	-0.7	7,602	7,512	7,676	7,874	-3.5
Nondurable goods industries.....	81,827	81,256	81,115	0.7	0.2	-1.3	81,480	79,771	79,671	81,763	-0.3
Food products.....	14,794	15,152	15,381	-2.4	-1.5	-1.1	15,034	15,333	15,806	14,839	1.3
Beverage and tobacco products.....	4,888	4,913	4,940	-0.5	-0.5	0.7	5,048	5,051	4,934	4,901	3.0
Textiles.....	1,213	1,197	1,198	1.3	-0.1	0.5	1,209	1,181	1,171	1,243	-2.7
Textile products.....	1,538	1,522	1,508	1.1	0.9	0.7	1,524	1,496	1,488	1,487	2.5
Apparel.....	811	816	810	-0.6	0.7	-2.5	811	806	789	695	16.7
Leather and allied products.....	272	274	269	-0.7	1.9	1.1	272	271	262	258	5.4
Paper products.....	6,913	6,893	6,941	0.3	-0.7	0.2	6,988	6,885	6,933	7,103	-1.6
Printing.....	2,465	2,456	2,514	0.4	-2.3	2.7	2,423	2,377	2,511	2,549	-4.9
Petroleum and coal products.....	17,148	16,727	16,423	2.5	1.9	-5.0	16,214	15,735	15,279	16,912	-4.1
Chemical products.....	23,247	22,673	22,365	2.5	1.4	-0.8	23,371	22,194	21,955	23,051	1.4
Plastics and rubber products.....	8,538	8,633	8,766	-1.1	-1.5	0.7	8,586	8,442	8,543	8,725	-1.6
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	192,260	190,758	190,761	0.8	0.0	0.4	191,055	184,951	192,311	185,287	3.1
Durable goods industries.....	146,778	146,075	145,479	0.5	0.4	0.6	145,684	140,771	145,862	138,139	5.5
Wood products.....	1,636	1,615	1,566	1.3	3.1	1.7	1,626	1,567	1,560	1,450	12.1
Nonmetallic mineral products.....	1,333	1,363	1,356	-2.2	0.5	-1.7	1,310	1,302	1,287	1,283	2.1
Primary metals.....	11,003	11,040	11,045	-0.3	0.0	0.6	10,712	10,346	10,792	11,023	-2.8
Fabricated metal products.....	13,638	13,763	13,691	-0.9	0.5	0.6	13,588	13,429	13,767	13,257	2.5
Machinery.....	16,589	16,837	16,757	-1.5	0.5	0.9	16,395	15,959	17,164	16,468	-0.4
Computers and electronic products.....	15,220	15,306	15,420	-0.6	-0.7	-0.9	15,126	14,664	15,550	16,591	-8.8
Electrical equipment, appliances, and components.....	3,650	3,593	3,623	1.6	-0.8	-0.9	3,661	3,415	3,601	3,638	0.6
Transportation equipment.....	79,310	78,149	77,605	1.5	0.7	1.0	78,944	75,830	77,709	70,265	12.4
Furniture and related products.....	1,017	1,019	1,055	-0.2	-3.4	1.8	1,014	1,017	1,052	985	2.9
Miscellaneous products.....	3,382	3,390	3,361	-0.2	0.9	0.2	3,308	3,242	3,380	3,179	4.1
Nondurable goods industries.....	45,482	44,683	45,282	1.8	-1.3	-0.5	45,371	44,180	46,449	47,148	-3.8
Food products.....	4,218	4,054	4,006	4.0	1.2	-0.9	4,498	4,661	5,009	4,131	8.9
Beverage and tobacco products.....	6,346	6,295	6,265	0.8	0.5	-0.1	6,667	6,709	6,764	6,138	8.6
Textiles.....	753	776	776	-3.0	0.0	0.4	752	755	780	788	-4.6
Textile products.....	405	411	419	-1.5	-1.9	0.2	408	394	418	445	-8.3
Apparel.....	372	384	384	-3.1	0.0	-1.0	359	351	370	352	2.0
Leather and allied products.....	113	102	107	10.8	-4.7	-5.3	113	101	116	123	-8.1
Paper products.....	1,295	1,300	1,282	-0.4	1.4	-0.3	1,311	1,284	1,270	1,341	-2.2
Printing.....	1,208	1,225	1,146	-1.4	6.9	-2.7	1,164	1,102	1,140	1,183	-1.6
Petroleum and coal products.....	12,531	13,050	13,924	-4.0	-6.3	-0.3	11,848	12,276	13,638	14,420	-17.8
Chemical products.....	16,021	14,850	14,716	7.9	0.9	-0.5	16,012	14,397	14,711	16,001	0.1
Plastics and rubber products.....	2,220	2,236	2,257	-0.7	-0.9	-0.7	2,239	2,150	2,233	2,226	0.6
<b>FINISHED GOODS</b>											
All manufacturing industries.....	223,139	222,280	221,972	0.4	0.1	0.2	220,436	213,909	221,877	214,921	2.6
Durable goods industries.....	107,062	107,153	107,940	-0.1	-0.7	-0.1	106,177	102,808	108,158	102,447	3.6
Wood products.....	4,097	4,077	4,151	0.5	-1.8	3.4	4,111	3,920	4,079	3,838	7.1
Nonmetallic mineral products.....	5,618	5,591	5,616	0.5	-0.4	-1.0	5,628	5,456	5,426	5,461	3.1
Primary metals.....	10,182	10,428	10,279	-2.4	1.4	-0.9	10,058	10,390	9,936	10,167	-1.1
Fabricated metal products.....	15,727	15,756	15,636	-0.2	0.8	-0.4	15,601	15,183	15,316	15,452	1.0
Machinery.....	23,687	23,737	24,067	-0.2	-1.4	-1.0	23,707	22,897	24,170	22,289	6.4
Computers and electronic products.....	13,009	12,990	13,305	0.1	-2.4	1.1	12,893	12,477	13,660	11,889	8.4
Electrical equipment, appliances, and components.....	5,171	5,049	5,135	2.4	-1.7	0.5	5,112	4,719	5,106	4,978	2.7
Transportation equipment.....	14,563	14,602	14,862	-0.3	-1.7	-0.2	14,205	13,153	15,257	13,873	2.4
Furniture and related products.....	2,281	2,327	2,239	-2.0	3.9	1.7	2,245	2,214	2,286	2,059	9.0
Miscellaneous products.....	12,727	12,596	12,650	1.0	-0.4	0.3	12,617	12,399	12,922	12,441	1.4
Nondurable goods industries.....	116,077	115,127	114,032	0.8	1.0	0.4	114,259	111,101	113,719	112,474	1.6
Food products.....	26,865	26,820	26,561	0.2	1.0	1.0	26,247	26,181	27,059	25,824	1.6
Beverage and tobacco products.....	7,737	7,814	7,776	-1.0	0.5	-0.3	7,524	7,296	7,593	7,273	3.5
Textiles.....	1,365	1,365	1,375	0.0	-0.7	-2.6	1,370	1,362	1,366	1,470	-6.8
Textile products.....	1,263	1,274	1,281	-0.9	-0.5	2.0	1,276	1,244	1,263	1,288	-0.9
Apparel.....	1,246	1,233	1,280	1.1	-3.7	6.7	1,265	1,157	1,233	1,206	4.9
Leather and allied products.....	478	500	492	-4.4	1.6	4.0	492	488	490	439	12.1
Paper products.....	5,838	5,826	5,736	0.2	1.6	-0.6	5,751	5,756	5,692	5,790	-0.7
Printing.....	1,657	1,664	1,653	-0.4	0.7	1.1	1,595	1,574	1,642	1,517	5.1
Petroleum and coal products.....	24,096	23,137	22,747	4.1	1.7	-0.9	23,553	21,846	22,725	22,274	5.7
Chemical products.....	34,613	34,693	34,505	-0.2	0.5	1.2	34,466	33,840	34,240	35,083	-1.8
Plastics and rubber products.....	10,919	10,801	10,626	1.1	1.6	0.0	10,720	10,357	10,416	10,310	4.0

<sup>p</sup> Preliminary<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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 revisions.

**Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group<sup>3</sup>**

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>1</sup>			
	Jan	Dec	Nov	Oct	Jan	Dec	Nov	Oct
	2013 <sup>P</sup>	2012 <sup>F</sup>	2012	2012	2013 <sup>P</sup>	2012 <sup>F</sup>	2012	2012
All manufacturing industries <sup>2</sup> .....	1.28	1.27	1.27	1.28	(X)	(X)	(X)	(X)
Durable goods industries <sup>2</sup> .....	1.66	1.63	1.65	1.67	6.27	6.15	6.13	6.23
Wood products.....	1.42	1.45	1.47	1.44	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.42	1.42	1.42	1.43	(X)	(X)	(X)	(X)
Primary metals.....	1.20	1.16	1.18	1.23	1.02	1.02	1.06	1.14
Fabricated metal products.....	1.66	1.69	1.68	1.69	3.25	3.23	3.15	3.15
Machinery.....	1.97	1.99	1.98	2.05	4.09	3.96	4.00	4.15
Computers and electronic products <sup>2</sup> .....	1.70	1.65	1.67	1.66	7.65	7.49	7.53	7.54
Electrical equipment, appliances, and components.....	1.56	1.54	1.57	1.60	2.32	2.33	2.35	2.35
Transportation equipment.....	1.79	1.73	1.74	1.77	14.94	14.40	14.27	14.39
Furniture and related products.....	1.15	1.15	1.15	1.14	1.33	1.34	1.36	1.37
Miscellaneous products.....	1.68	1.69	1.72	1.74	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.95	0.95	0.94	0.93	(X)	(X)	(X)	(X)
Food products.....	0.74	0.74	0.74	0.75	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.56	1.56	1.49	1.51	(X)	(X)	(X)	(X)
Textiles.....	1.34	1.34	1.34	1.36	(X)	(X)	(X)	(X)
Textile products.....	1.61	1.63	1.62	1.60	(X)	(X)	(X)	(X)
Apparel.....	1.89	1.94	1.93	1.82	(X)	(X)	(X)	(X)
Leather and allied products.....	1.73	1.86	1.95	1.86	(X)	(X)	(X)	(X)
Paper products.....	1.02	1.02	1.01	1.00	(X)	(X)	(X)	(X)
Printing.....	0.80	0.82	0.80	0.78	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.73	0.72	0.72	0.70	(X)	(X)	(X)	(X)
Chemical products.....	1.18	1.15	1.14	1.14	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.22	1.24	1.22	1.23	(X)	(X)	(X)	(X)

X Not Applicable    <sup>P</sup> Preliminary    <sup>F</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

<sup>2</sup> Unfilled orders to shipments ratio excludes semiconductor manufacturing.

**Table 8. Revisions to Previously Published Monthly Percent Changes<sup>3</sup>**

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Jan <sup>1</sup>	Jan <sup>2</sup>						
	2013	2012- Dec	2013	2012- Dec	2013	2012- Dec	2013	2012- Dec
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
Durable goods industries.....	0.0	0.3	0.3	0.4	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.0	0.6	-0.1	1.3	0.0	0.7	0.0	0.5
Fabricated metal products.....	0.0	0.2	0.1	0.7	0.0	0.3	0.1	0.2
Machinery.....	-0.3	0.7	2.1	1.3	0.2	0.3	0.2	0.2
Computers and electronic products.....	0.2	0.9	0.7	1.1	0.1	0.1	-0.1	0.2
Electrical equipment, appliances, and components.....	-0.1	0.3	-0.3	0.7	-0.2	0.4	0.3	0.3
Transportation equipment.....	0.1	0.4	0.0	1.4	0.0	0.2	0.1	0.1
Furniture and related products.....	(X)	0.4	(X)	0.5	(X)	0.4	(X)	0.4
Miscellaneous products.....	(X)	0.6	(X)	0.6	(X)	0.4	(X)	0.4
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.9
Leather and allied products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.4
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Printing.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.7
Petroleum and coal products.....	(X)	1.3	(X)	(NA)	(X)	(NA)	(X)	0.5
Chemical products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable    NA Not Available

<sup>1</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

<sup>2</sup> The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

<sup>3</sup> 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.

## Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on 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). The M3 includes approximately 4,300 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 65 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 4,300 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 4,300 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not 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: <http://www.census.gov/m3>.

## Benchmark Notice

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued on May 17, 2013. These revisions reflect:

- benchmarking the shipments and inventories data to the 2011 Annual Survey of Manufactures (ASM) data, as well as revised ASM benchmarks for prior years;
- incorporating the unfilled orders to shipments ratios obtained from the 2010/2011 Manufacturers' Unfilled Orders Survey by applying these ratios to the respective ASM shipments data, as well as incorporating revised unfilled orders to shipments ratios for prior years;
- adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data;
- migrating the data processing environment from a server having a Linux Red Hat 4 operating system that supports SAS® 9.1.3 to a server having a Linux Red Hat 5 operating system that supports SAS® 9.2; and
- updating the seasonally adjusted data, based on the results of benchmarking and the recent annual review of the seasonal adjustment models.

An accompanying press release will include the revised 2013 January through March data. Please call Jessica Young on (301) 763-4832 with any questions.