

U.S. Census Bureau News

U.S. Department of Commerce • Washington, D.C. 20233

FOR IMMEDIATE RELEASE
FRIDAY, MARCH 4, 2011, AT 10:00 A.M. EST

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M3-2 (11)-01
CB11-43

Full Report on Manufacturers' Shipments, Inventories and Orders January 2011

Summary

New orders for manufactured goods in January, up six of the last seven months, increased \$13.6 billion or 3.1 percent to \$445.6 billion, the U.S. Census Bureau reported today. This followed a 1.4 percent December increase. Excluding transportation, new orders increased 0.7 percent.

Shipments, up five consecutive months, increased \$8.1 billion or 1.8 percent to \$447.4 billion. This followed a 2.7 percent December increase.

Unfilled orders, up nine of the last ten months, increased \$4.8 billion or 0.6 percent to \$829.6 billion. This followed a 0.2 percent December decrease. The unfilled orders-to-shipments ratio was 5.60, up from 5.55 in December.

Inventories, up twelve of the last thirteen months, increased \$7.1 billion or 1.3 percent to \$559.3 billion. This followed a 1.4 percent December increase. The inventories-to-shipments ratio was 1.25, down from 1.26 in December.

New Orders

New orders for manufactured durable goods in January, up following three consecutive monthly decreases, increased \$6.2 billion or 3.2 percent to \$201.0 billion, revised from the previously published 2.7 percent increase. This followed a 0.6 percent December decrease.

Transportation equipment, also up following three consecutive monthly decreases, had the largest increase, \$10.8 billion or 27.3 percent to \$50.3 billion.

New orders for manufactured nondurable goods increased \$7.4 billion or 3.1 percent to \$244.6 billion.

Shipments

Shipments of manufactured durable goods in January, up four of the last five months, increased \$0.7 billion or 0.3 percent to \$202.8 billion, unchanged from the previously published increase. This followed a 2.3 percent December increase.

Primary metals, up six consecutive months, had the largest increase, \$1.0 billion or 4.4 percent to 23.1 billion.

Shipments of manufactured nondurable goods, up six consecutive months, increased \$7.4 billion or 3.1 percent to \$244.6 billion. This followed a 3.1 percent December increase. Petroleum and coal products, also up six consecutive months, led the increase, up \$5.4 billion or 8.4 percent to \$69.7 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in January, up nine of the last ten months, increased \$4.8 billion or 0.6 percent to \$829.6 billion, revised from the previously published 0.5 percent increase. This followed a 0.2 percent December decrease.

Machinery, up twelve consecutive months, had the largest increase, \$2.3 billion or 2.1 percent to \$113.2 billion.

Inventories

Inventories of manufactured durable goods in January, up thirteen consecutive months, increased \$2.2 billion or 0.7 percent to \$324.7 billion, unchanged from the previously published increase. This followed a 0.8 percent December increase.

Transportation equipment, also up thirteen consecutive months, had the largest increase, \$0.7 billion or 0.8 percent to \$87.0 billion.

Inventories of manufactured nondurable goods, up five consecutive months, increased \$5.0 billion or 2.2 percent to \$234.5 billion. This followed a 2.2 percent December increase. Petroleum and coal products, also up five consecutive months, led the increase, up \$2.5 billion or 4.9 percent to \$53.4 billion.

By stage of fabrication, January materials and supplies increased 0.8 percent in durable goods and 2.4 percent in nondurable goods. Work in process increased 0.6 percent in durable goods and 1.4 percent in nondurable goods. Finished goods increased 0.6 percent in durable goods and 2.3 percent in nondurable goods.

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 24, 2011, at 8:30 a.m. EDT and the full report on March 31, 2011, at 10:00 a.m. EDT. See back page for survey description and benchmark notice.

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			
	Jan. 2011 ^P	Dec. 2010 ^F	Nov. 2010	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2011 ^P	Dec. 2010 ^F	Nov. 2010	Jan. 2010	2011 ^P	2010	Percent 2011/ 2010
All manufacturing industries.....	447,440	439,364	427,630	1.8	2.7	1.6	409,142	431,950	419,394	373,302	409,142	373,302	9.6
Excluding transportation.....	399,386	391,132	380,904	2.1	2.7	2.1	367,361	380,984	372,934	328,938	367,361	328,938	11.7
Excluding defense.....	436,748	428,113	416,265	2.0	2.8	1.6	400,476	419,552	408,023	361,316	400,476	361,316	10.8
With unfilled orders.....	148,251	148,556	144,541	-0.2	2.8	1.1	131,890	150,019	140,329	122,838	131,890	122,838	7.4
Durable goods industries.....	202,838	202,140	197,633	0.3	2.3	0.5	182,253	202,382	192,493	172,452	182,253	172,452	5.7
Wood products.....	6,559	6,594	6,455	-0.5	2.2	0.9	5,435	5,880	6,115	5,484	5,435	5,484	-0.9
Nonmetallic mineral products.....	8,296	8,094	8,097	2.5	0.0	-0.7	6,972	6,940	7,928	6,616	6,972	6,616	5.4
Primary metals.....	23,075	22,111	21,020	4.4	5.2	4.6	21,646	18,865	19,587	17,124	21,646	17,124	26.4
Iron and steel mills.....	11,364	10,569	9,905	7.5	6.7	6.1	10,487	9,055	9,073	7,853	10,487	7,853	33.5
Aluminum and nonferrous metals.....	10,319	10,186	9,813	1.3	3.8	3.3	9,872	8,621	9,298	8,265	9,872	8,265	19.4
Ferrous metal foundries.....	1,392	1,356	1,302	2.7	4.1	2.7	1,287	1,189	1,216	1,006	1,287	1,006	27.9
Fabricated metal products.....	28,052	28,012	27,577	0.1	1.6	1.1	25,162	25,835	26,495	23,580	25,162	23,580	6.7
Machinery.....	25,528	27,286	25,418	-6.4	7.3	2.6	23,169	28,320	23,638	20,194	23,169	20,194	14.7
Farm machinery.....	1,916	2,154	2,152	-11.0	0.1	-0.9	1,688	1,813	1,649	1,661	1,688	1,661	1.6
Construction machinery.....	3,111	2,928	2,795	6.3	4.8	0.5	2,743	3,044	2,794	1,684	2,743	1,684	62.9
Mining, oil field, and gas field machinery.....	1,378	1,381	1,354	-0.2	2.0	3.4	1,376	1,600	1,343	1,480	1,376	1,480	-7.0
Industrial machinery.....	2,846	3,209	3,098	-11.3	3.6	15.3	2,800	3,978	2,581	2,181	2,800	2,181	28.4
Photographic equipment.....	788	714	703	10.4	1.6	-2.4	627	816	756	610	627	610	2.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,397	2,381	2,361	0.7	0.8	0.6	1,927	2,400	2,185	2,111	1,927	2,111	-8.7
Metalworking machinery.....	1,775	1,874	1,775	-5.3	5.6	5.7	1,581	2,003	1,706	1,485	1,581	1,485	6.5
Turbines, generators, and other power transmission equipment.....	3,143	4,356	3,128	-27.8	39.3	0.5	3,061	4,441	3,134	2,266	3,061	2,266	35.1
Material handling equipment.....	1,765	1,741	1,710	1.4	1.8	2.4	1,617	1,784	1,640	1,371	1,617	1,371	17.9
Computers and electronic products ²	34,058	33,172	33,817	2.7	-1.9	0.2	31,722	36,531	33,820	30,808	31,722	30,808	3.0
Computers.....	4,365	4,286	4,645	1.8	-7.7	0.2	4,133	4,742	4,522	3,654	4,133	3,654	13.1
Computer storage devices.....	695	728	684	-4.5	6.4	0.3	527	1,214	589	536	527	536	-1.7
Other peripheral equipment.....	1,017	1,168	1,132	-12.9	3.2	-1.6	644	1,998	1,081	709	644	709	-9.2
Nondefense communications equipment.....	2,921	2,905	2,976	0.6	-2.4	5.3	2,234	3,593	3,242	2,409	2,234	2,409	-7.3
Defense communications equipment.....	515	548	516	-6.0	6.2	1.4	449	514	540	450	449	450	-0.2
Audio and video equipment.....	437	459	470	-4.8	-2.3	14.1	381	665	675	382	381	382	-0.3
Electronic components.....	3,887	3,852	4,022	0.9	-4.2	0.3	3,457	4,193	3,890	3,358	3,457	3,358	2.9
Nondefense search and navigation equipment.....	1,057	1,095	1,079	-3.5	1.5	-4.0	908	1,159	1,086	903	908	903	0.6
Defense search and navigation equipment.....	2,684	2,815	2,797	-4.7	0.6	-0.9	2,231	3,045	2,886	2,657	2,231	2,657	-16.0
Electromedical, measuring, and control instruments.....	9,344	9,120	9,164	2.5	-0.5	1.6	8,212	10,469	9,023	7,337	8,212	7,337	11.9
Electrical equipment, appliances, and components.....	10,142	10,030	9,857	1.1	1.8	1.7	8,940	9,851	9,668	7,945	8,940	7,945	12.5
Electric lighting equipment.....	1,194	1,185	1,181	0.8	0.3	-0.2	1,080	1,251	1,194	1,048	1,080	1,048	3.1
Household appliances.....	1,619	1,606	1,644	0.8	-2.3	0.7	1,285	1,556	1,690	1,324	1,285	1,324	-2.9
Electrical equipment.....	3,293	3,304	3,264	-0.3	1.2	0.7	2,901	3,261	3,037	2,421	2,901	2,421	19.8
Batteries.....	735	739	752	-0.5	-1.7	1.3	609	762	875	621	609	621	-1.9
Transportation equipment.....	48,054	48,232	46,726	-0.4	3.2	-2.8	41,781	50,966	46,460	44,364	41,781	44,364	-5.8
Automobiles.....	5,644	5,673	5,669	-0.5	0.1	-0.6	5,284	5,433	5,687	5,793	5,284	5,793	-8.8
Light trucks and utility vehicles.....	6,129	5,978	5,622	2.5	6.3	-5.7	5,543	6,489	5,641	5,311	5,543	5,311	4.4
Heavy duty trucks.....	1,453	1,453	1,461	0.0	-0.5	-8.5	1,418	1,506	1,473	1,546	1,418	1,546	-8.3
Motor vehicle bodies, parts, and trailers.....	17,327	17,177	16,695	0.9	2.9	-0.7	16,006	15,713	16,570	15,945	16,006	15,945	0.4
Nondefense aircraft and parts.....	7,024	7,501	6,659	-6.4	12.6	-7.3	5,161	9,940	6,641	4,950	5,161	4,950	4.3
Defense aircraft and parts.....	4,526	4,687	4,870	-3.4	-3.8	1.5	3,492	5,576	4,724	4,776	3,492	4,776	-26.9
Ships and boats.....	2,089	2,138	2,083	-2.3	2.6	-0.7	1,844	2,080	2,059	1,932	1,844	1,932	-4.6
Furniture and related products.....	5,766	5,672	5,679	1.7	-0.1	4.2	5,329	5,548	5,506	4,956	5,329	4,956	7.5
Miscellaneous durable goods.....	13,308	12,937	12,987	2.9	-0.4	0.2	12,097	13,646	13,276	11,381	12,097	11,381	6.3
Nondurable goods industries.....	244,602	237,224	229,997	3.1	3.1	2.5	226,889	229,568	226,901	200,850	226,889	200,850	13.0
Food products.....	58,463	57,325	57,002	2.0	0.6	1.1	56,324	57,128	59,095	52,203	56,324	52,203	7.9
Grain and oilseed milling.....	8,282	8,005	8,019	3.5	-0.2	1.0	8,215	7,856	8,634	8,135	8,215	8,135	1.0
Dairy products.....	7,723	7,608	7,771	1.5	-2.1	-1.0	7,459	7,748	8,172	6,987	7,459	6,987	6.8
Meat, poultry, and seafood products.....	16,673	16,479	16,394	1.2	0.5	2.6	16,066	16,091	16,504	14,529	16,066	14,529	10.6
Beverage and tobacco products.....	10,340	10,463	10,724	-1.2	-2.4	0.4	9,387	10,199	10,972	9,040	9,387	9,040	3.8
Beverages.....	7,780	7,763	7,688	0.2	1.0	0.0	6,827	7,499	7,936	6,288	6,827	6,288	8.6
Tobacco.....	2,560	2,700	3,036	-5.2	-11.1	1.3	2,560	2,700	3,036	2,752	2,560	2,752	-7.0
Textile mills.....	2,483	2,394	2,352	3.7	1.8	0.3	2,387	2,143	2,276	2,166	2,387	2,166	10.2
Textile products.....	1,837	1,852	1,860	-0.8	-0.4	1.5	1,663	1,628	1,796	1,713	1,663	1,713	-2.9
Apparel.....	1,353	1,344	1,326	0.7	1.4	1.1	1,177	1,254	1,463	1,118	1,177	1,118	5.3
Leather and allied products.....	408	415	407	-1.7	2.0	2.0	331	402	385	328	331	328	0.9
Paper products.....	14,508	14,447	14,327	0.4	0.8	-0.4	14,075	14,168	14,140	13,223	14,075	13,223	6.4
Pulp, paper, and paperboard mills.....	6,771	6,783	6,709	-0.2	1.1	0.2	6,650	6,673	6,497	6,281	6,650	6,281	5.9
Paperboard containers.....	4,181	4,161	4,124	0.5	0.9	-0.3	4,021	4,003	4,073	3,586	4,021	3,586	12.1
Printing.....	7,310	7,348	7,301	-0.5	0.6	2.4	6,793	7,499	7,538	6,523	6,793	6,523	4.1
Petroleum and coal products.....	69,685	64,305	58,488	8.4	9.9	6.0	62,442	61,242	55,629	47,597	62,442	47,597	31.2
Petroleum refineries.....	66,259	61,301	55,272	8.1	10.9	6.1	59,909	58,899	52,696	45,400	59,909	45,400	32.0
Chemical products.....	62,043	61,245	60,525	1.3	1.2	1.8	57,594	59,173	58,501	53,226	57,594	53,226	8.2
Pesticides, fertilizers, and other agricultural chemicals.....	4,589	4,443	4,451	3.3	-0.2	0.8	3,542	3,490	3,285	2,702	3,542	2,702	31.1
Pharmaceuticals and medicines.....	15,299	15,530	15,862	-1.5	-2.1	5.6	14,338	16,028	16,134	14,487	14,338	14,487	-1.0
Paints, coatings, and adhesives.....	2,451	2,485	2,548	-1.4	-2.5	-0.8	2,054	2,050	2,237	2,097	2,054	2,097	-2.1
Plastics and rubber products.....	16,172	16,086	15,685	0.5	2.6	2.0	14,716	14,732	15,106	13,713	14,716	13,713	7.3

^P Preliminary^F 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 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 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		
	Jan. 2011 ^P	Dec. 2010 ^F	Nov. 2010	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2011 ^P	Dec. 2010 ^F	Nov. 2010	Jan. 2010	2011 ^P	2010	Percent 2011/2010
All manufacturing industries ²	445,576	432,016	426,050	3.1	1.4	1.3	411,929	437,211	414,440	371,740	411,929	371,740	10.8
Excluding transportation ²	395,298	392,532	381,193	0.7	3.0	3.3	366,255	383,454	369,809	324,653	366,255	324,653	12.8
Excluding defense ²	432,486	420,722	414,344	2.8	1.5	0.9	398,695	420,472	404,060	357,203	398,695	357,203	11.6
With unfilled orders ²	153,062	146,931	148,860	4.2	-1.3	0.2	142,819	159,680	141,152	129,311	142,819	129,311	10.4
Durable goods industries ²	200,974	194,792	196,053	3.2	-0.6	-0.1	185,040	207,643	187,539	170,890	185,040	170,890	8.3
Primary metals.....	23,410	22,707	23,162	3.1	-2.0	13.9	23,002	19,946	20,817	18,412	23,002	18,412	24.9
Iron and steel mills.....	11,535	11,001	12,057	4.9	-8.8	28.4	11,513	9,828	10,290	9,015	11,513	9,015	27.7
Aluminum and nonferrous metals.....	10,439	10,330	9,809	1.1	5.3	2.0	10,075	8,910	9,285	8,307	10,075	8,307	21.3
Ferrrous metal foundries.....	1,436	1,376	1,296	4.4	6.2	-3.1	1,414	1,208	1,242	1,090	1,414	1,090	29.7
Fabricated metal products.....	28,409	28,009	27,770	1.4	0.9	3.0	26,085	25,823	26,265	23,930	26,085	23,930	9.0
Machinery.....	27,818	31,833	27,362	-12.6	16.3	0.4	27,394	31,466	24,793	21,347	27,394	21,347	28.3
Construction machinery.....	3,587	3,614	2,825	-0.7	27.9	-5.6	3,528	3,636	2,870	1,705	3,528	1,705	106.9
Mining, oil field, and gas field machinery.....	1,521	1,405	1,520	8.3	-7.6	40.9	1,480	1,508	1,569	1,413	1,480	1,413	4.7
Industrial machinery.....	2,479	3,944	3,023	-37.1	30.5	-18.6	3,088	4,423	2,435	2,916	3,088	2,916	5.9
Photographic equipment.....	751	540	690	39.1	-21.7	-5.9	735	499	744	615	735	615	19.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,431	3,599	2,770	-4.7	29.9	-5.5	3,365	3,040	1,925	2,577	3,365	2,577	30.6
Metalworking machinery.....	1,896	2,133	2,031	-11.1	5.0	20.2	1,858	2,194	1,956	1,576	1,858	1,576	17.9
Turbines, generators, and other power transmission equipment.....	3,447	5,636	4,052	-38.8	39.1	1.3	3,356	5,984	4,047	1,993	3,356	1,993	68.4
Material handling equipment.....	2,039	2,048	1,751	-0.4	17.0	5.0	1,963	2,127	1,649	1,356	1,963	1,356	44.8
Computers and electronic products ²	26,956	28,643	28,616	-5.9	0.1	6.7	23,307	35,154	27,532	22,424	23,307	22,424	3.9
Computers.....	4,140	4,220	4,967	-1.9	-15.0	10.6	3,908	4,676	4,844	3,148	3,908	3,148	24.1
Nondefense communications equipment.....	2,716	3,314	3,056	-18.0	8.4	14.7	1,969	4,405	2,607	2,442	1,969	2,442	-19.4
Defense communications equipment.....	546	643	499	-15.1	28.9	5.1	548	803	338	574	548	574	-4.5
Electronic components.....	3,772	3,939	4,123	-4.2	-4.5	2.0	3,466	4,208	3,854	3,638	3,466	3,638	-4.7
Nondefense search and navigation equipment.....	1,159	994	1,095	16.6	-9.2	1.0	1,121	968	1,148	834	1,121	834	34.4
Defense search and navigation equipment.....	2,698	3,643	2,960	-25.9	23.1	23.7	2,249	4,846	2,739	2,392	2,249	2,392	-6.0
Electromedical, measuring, and control instruments.....	9,315	9,062	9,197	2.8	-1.5	2.6	8,090	10,832	9,148	7,391	8,090	7,391	9.5
Electrical equipment, appliances, and components.....	10,213	10,742	10,760	-4.9	-0.2	8.7	9,803	9,972	10,407	8,912	9,803	8,912	10.0
Electric lighting equipment.....	1,271	1,216	1,229	4.5	-1.1	9.7	1,208	1,137	1,182	1,028	1,208	1,028	17.5
Household appliances.....	1,499	1,753	1,700	-14.5	3.1	4.2	1,350	1,574	1,752	1,496	1,350	1,496	-9.8
Electrical equipment.....	3,516	3,896	3,857	-9.8	1.0	12.8	3,413	3,426	3,616	2,960	3,413	2,960	15.3
Transportation equipment.....	50,278	39,484	44,857	27.3	-12.0	-13.3	45,674	53,757	44,631	47,087	45,674	47,087	-3.0
Motor vehicle bodies, parts, and trailers.....	17,146	17,245	16,859	-0.6	2.3	-1.3	16,009	16,306	16,783	16,097	16,009	16,097	-0.5
Nondefense aircraft and parts.....	7,384	141	5,019	5,136.9	-97.2	-59.6	4,963	10,576	5,744	4,904	4,963	4,904	1.2
Defense aircraft and parts.....	5,344	4,487	5,043	19.1	-11.0	6.4	5,480	6,542	4,639	6,598	5,480	6,598	-16.9
Ships and boats.....	3,674	1,571	2,156	133.9	-27.1	29.6	4,107	1,937	2,086	2,340	4,107	2,340	75.5
Furniture and related products.....	5,723	5,709	5,852	0.2	-2.4	5.1	5,267	5,023	5,640	5,054	5,267	5,054	4.2
Nondurable goods industries.....	244,602	237,224	229,997	3.1	3.1	2.5	226,889	229,568	226,901	200,850	226,889	200,850	13.0

^P Preliminary^F 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 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 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				Percent Change Jan. 11/10
	Monthly			Percent Change			Monthly				
	Jan. 2011 ^P	Dec. 2010 ^F	Nov. 2010	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2011 ^P	Dec. 2010 ^F	Nov. 2010	Jan. 2010	
All manufacturing industries ²	829,569	824,758	826,383	0.6	-0.2	0.5	835,414	824,485	814,824	799,159	4.5
Excluding transportation ²	353,889	351,302	344,179	0.7	2.1	1.8	353,123	346,087	339,217	313,479	12.6
Excluding defense ²	673,297	670,884	672,552	0.4	-0.2	0.6	677,199	670,838	665,518	643,056	5.3
Durable goods industries ²	829,569	824,758	826,383	0.6	-0.2	0.5	835,414	824,485	814,824	799,159	4.5
Primary metals.....	22,133	21,798	21,202	1.5	2.8	11.2	22,322	20,966	19,885	17,659	26.4
Iron and steel mills.....	13,385	13,214	12,782	1.3	3.4	20.2	13,427	12,401	11,628	9,931	35.2
Aluminum and nonferrous metals.....	6,565	6,445	6,301	1.9	2.3	-0.1	6,656	6,453	6,164	5,801	14.7
Ferrous metal foundries.....	2,183	2,139	2,119	2.1	0.9	-0.3	2,239	2,112	2,093	1,927	16.2
Fabricated metal products.....	54,341	53,984	53,987	0.7	0.0	0.4	53,556	52,633	52,645	52,424	2.2
Machinery.....	113,157	110,867	106,320	2.1	4.3	1.9	113,362	109,137	105,995	88,319	28.4
Construction machinery.....	12,085	11,609	10,923	4.1	6.3	0.3	12,246	11,461	10,869	9,437	29.8
Mining, oil field, and gas field machinery.....	7,968	7,825	7,801	1.8	0.3	2.2	8,009	7,905	7,997	5,997	33.6
Industrial machinery.....	14,171	14,538	13,803	-2.5	5.3	-0.5	14,444	14,156	13,711	11,726	23.2
Photographic equipment.....	2,172	2,209	2,383	-1.7	-7.3	-0.5	2,169	2,061	2,378	2,440	-11.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	24,731	23,697	22,479	4.4	5.4	1.9	24,424	22,986	22,346	18,774	30.1
Metalworking machinery.....	6,824	6,703	6,444	1.8	4.0	4.1	6,878	6,601	6,410	6,454	6.6
Turbines, generators, and other power transmission equipment.....	19,729	19,425	18,145	1.6	7.1	5.4	19,809	19,514	17,971	12,540	58.0
Material handling equipment.....	8,540	8,266	7,959	3.3	3.9	0.5	8,529	8,183	7,840	6,884	23.9
Computers and electronic products ²	124,062	124,489	123,295	-0.3	1.0	0.6	124,438	124,711	121,688	121,160	2.7
Computers.....	5,354	5,579	5,645	-4.0	-1.2	6.0	5,354	5,579	5,645	4,865	10.1
Nondefense communications equipment.....	22,340	22,545	22,136	-0.9	1.8	0.4	22,338	22,603	21,791	22,812	-2.1
Defense communications equipment.....	6,292	6,261	6,166	0.5	1.5	-0.3	6,275	6,176	5,887	6,119	2.5
Electronic components.....	11,612	11,727	11,640	-1.0	0.7	0.9	11,551	11,542	11,527	10,973	5.3
Nondefense search and navigation equipment.....	8,112	8,010	8,111	1.3	-1.2	0.2	8,145	7,932	8,123	8,305	-1.9
Defense search and navigation equipment.....	40,797	40,783	39,955	0.0	2.1	0.4	41,012	40,994	39,193	39,321	4.3
Electromedical, measuring, and control instruments.....	29,555	29,584	29,642	-0.1	-0.2	0.1	29,763	29,885	29,522	28,765	3.5
Electrical equipment, appliances, and components.....	27,223	27,152	26,440	0.3	2.7	3.5	27,016	26,153	26,032	22,068	22.4
Electric lighting equipment.....	2,544	2,467	2,436	3.1	1.3	2.0	2,406	2,278	2,392	2,105	14.3
Household appliances.....	559	679	532	-17.7	27.6	11.8	611	546	528	562	8.7
Electrical equipment.....	17,365	17,142	16,550	1.3	3.6	3.7	17,205	16,693	16,528	14,099	22.0
Transportation equipment.....	475,680	473,456	482,204	0.5	-1.8	-0.4	482,291	478,398	475,607	485,680	-0.7
Motor vehicle bodies, parts, and trailers.....	14,041	14,222	14,154	-1.3	0.5	1.2	14,455	14,452	13,859	14,800	-2.3
Nondefense aircraft and parts.....	324,926	324,566	331,926	0.1	-2.2	-0.5	329,284	329,482	328,846	323,519	1.8
Defense aircraft and parts.....	49,491	48,673	48,873	1.7	-0.4	0.4	50,343	48,355	47,389	49,570	1.6
Ships and boats.....	15,417	13,832	14,399	11.5	-3.9	0.5	15,846	13,583	13,726	18,786	-15.6
Furniture and related products.....	6,712	6,755	6,718	-0.6	0.6	2.6	6,168	6,230	6,755	5,988	3.0

^P Preliminary ^F 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 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 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					Percent Change Jan. 11/10
	Monthly			Percent Change			Monthly					
	Jan. 2011 ^P	Dec. 2010 ^F	Nov. 2010	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2011 ^P	Dec. 2010 ^F	Nov. 2010	Jan. 2010		
All manufacturing industries.....	559,254	552,135	544,583	1.3	1.4	0.9	557,097	537,728	545,772	507,776	9.7	
Excluding transportation.....	472,227	465,825	459,897	1.4	1.3	0.7	470,292	454,425	460,425	431,833	8.9	
Excluding defense.....	536,352	529,239	521,503	1.3	1.5	0.9	534,142	514,969	522,716	484,266	10.3	
With unfilled orders.....	264,611	262,882	260,702	0.7	0.8	0.9	264,811	256,477	262,155	239,542	10.5	
Durable goods industries.....	324,708	322,550	319,982	0.7	0.8	0.9	325,155	314,686	321,657	295,728	10.0	
Wood products.....	8,902	8,821	8,769	0.9	0.6	-0.3	9,041	8,729	8,788	8,779	3.0	
Nonmetallic mineral products.....	11,357	11,286	11,345	0.6	-0.5	0.1	11,384	11,007	11,024	11,259	1.1	
Primary metals.....	32,523	31,950	31,511	1.8	1.4	1.6	32,393	31,553	31,498	27,560	17.5	
Iron and steel mills.....	19,316	18,789	18,668	2.8	0.6	1.7	19,189	18,496	18,709	15,661	22.5	
Aluminum and nonferrous metals.....	11,374	11,334	11,017	0.4	2.9	1.9	11,334	11,239	10,965	10,150	11.7	
Ferrous metal foundries.....	1,833	1,827	1,826	0.3	0.1	-0.2	1,870	1,818	1,824	1,749	6.9	
Fabricated metal products.....	42,844	42,543	42,383	0.7	0.4	0.7	42,985	41,793	42,065	39,889	7.8	
Machinery.....	53,304	52,958	52,966	0.7	0.0	0.9	53,669	51,642	53,654	49,846	7.7	
Farm machinery.....	2,837	2,722	2,688	4.2	1.3	1.3	2,985	2,698	2,603	2,404	24.2	
Construction machinery.....	5,601	5,709	5,525	-1.9	3.3	3.4	5,570	5,566	5,530	4,675	19.1	
Mining, oil field, and gas field machinery.....	5,946	5,950	6,047	-0.1	-1.6	0.9	5,925	5,716	6,035	5,652	4.8	
Industrial machinery.....	6,964	6,986	7,020	-0.3	-0.5	0.1	6,845	6,784	7,151	6,281	9.0	
Photographic equipment.....	1,558	1,597	1,583	-2.4	0.9	1.7	1,561	1,544	1,635	1,525	2.4	
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,378	3,374	3,409	0.1	-1.0	-0.7	3,347	3,124	3,439	3,449	-3.0	
Metalworking machinery.....	4,029	4,019	4,006	0.2	0.3	0.5	3,995	3,916	4,041	3,829	4.3	
Turbines, generators, and other power transmission equipment.....	6,813	6,483	6,507	5.1	-0.4	1.3	6,962	6,320	6,935	6,103	14.1	
Material handling equipment.....	3,070	3,099	3,147	-0.9	-1.5	2.3	3,122	3,059	3,151	3,020	3.4	
Computers and electronic products ²	46,026	46,046	46,006	0.0	0.1	-0.2	46,171	45,087	46,808	43,070	7.2	
Computers.....	2,030	1,987	2,093	2.2	-5.1	-5.8	1,929	1,915	2,179	1,976	-2.4	
Computer storage devices.....	1,074	1,059	1,056	1.4	0.3	-2.0	1,049	970	1,119	969	8.3	
Other peripheral equipment.....	1,426	1,415	1,418	0.8	-0.2	-0.5	1,385	1,310	1,461	1,386	-0.1	
Nondefense communications equipment.....	5,771	6,003	6,159	-3.9	-2.5	-0.7	5,914	6,046	6,371	5,907	0.1	
Defense communications equipment.....	2,135	2,220	2,221	-3.8	0.0	3.8	2,135	2,220	2,221	1,909	11.8	
Audio and video equipment.....	352	351	363	0.3	-3.3	-1.6	350	347	404	380	-7.9	
Electronic components.....	8,088	7,957	7,888	1.6	0.9	0.1	8,231	7,707	8,028	6,949	18.4	
Nondefense search and navigation equipment.....	3,896	3,827	3,840	1.8	-0.3	-0.9	3,896	3,734	3,849	3,667	6.2	
Defense search and navigation equipment.....	3,399	3,334	3,442	1.9	-3.1	-2.0	3,389	3,251	3,416	3,478	-2.6	
Electromedical, measuring and control instruments.....	12,240	12,198	12,109	0.3	0.7	0.9	12,283	11,882	12,302	11,570	6.2	
Electrical equipment, appliances, and components.....	14,716	14,779	14,885	-0.4	-0.7	-0.2	14,742	14,313	14,782	13,554	8.8	
Electric lighting equipment.....	1,643	1,639	1,666	0.2	-1.6	-1.4	1,631	1,562	1,659	1,538	6.0	
Household appliances.....	2,735	2,731	2,704	0.1	1.0	1.3	2,690	2,447	2,613	2,124	26.6	
Electrical equipment.....	4,457	4,620	4,800	-3.5	-3.8	-0.8	4,577	4,726	4,861	4,340	5.5	
Batteries.....	1,013	998	996	1.5	0.2	1.6	985	915	957	915	7.7	
Transportation equipment.....	87,027	86,310	84,686	0.8	1.9	1.8	86,805	83,303	85,347	75,943	14.3	
Automobiles.....	1,676	1,840	1,875	-8.9	-1.9	2.2	1,835	1,749	1,912	1,315	39.5	
Light trucks and utility vehicles.....	2,186	1,969	2,086	11.0	-5.6	7.9	2,014	1,715	2,232	1,489	35.3	
Heavy duty trucks.....	1,321	1,303	1,334	1.4	-2.3	0.6	1,324	1,273	1,384	1,427	-7.2	
Motor vehicle bodies, parts, and trailers.....	16,635	16,603	16,455	0.2	0.9	1.0	16,938	16,294	16,418	14,408	17.6	
Nondefense aircraft and parts.....	42,607	41,965	40,213	1.5	4.4	1.8	42,086	40,042	40,655	33,539	25.5	
Defense aircraft and parts.....	11,998	12,007	12,157	-0.1	-1.2	2.5	11,931	11,897	12,117	12,142	-1.7	
Ships and boats.....	3,786	3,773	3,708	0.3	1.8	2.0	3,854	3,782	3,723	3,421	12.7	
Furniture and related products.....	6,618	6,568	6,501	0.8	1.0	0.3	6,609	6,395	6,556	5,948	11.1	
Miscellaneous durable goods.....	21,391	21,289	20,930	0.5	1.7	0.4	21,356	20,864	21,135	19,880	7.4	
Nondurable goods industries.....	234,546	229,585	224,601	2.2	2.2	1.0	231,942	223,042	224,115	212,048	9.4	
Food products.....	42,901	42,356	42,143	1.3	0.5	-0.2	43,090	42,375	43,984	40,590	6.2	
Grain and oilseed milling.....	5,973	5,783	5,599	3.3	3.3	1.2	6,189	5,873	5,766	5,480	12.9	
Dairy products.....	5,567	5,397	5,585	3.1	-3.4	-2.8	5,453	4,989	5,382	5,128	6.3	
Meat, poultry, and seafood products.....	8,772	8,662	8,554	1.3	1.3	0.2	8,714	8,573	8,913	7,667	13.7	
Beverage and tobacco products.....	15,905	15,749	15,624	1.0	0.8	0.3	16,172	15,699	15,955	16,025	0.9	
Beverages.....	12,289	12,154	12,036	1.1	1.0	0.6	12,372	12,006	12,293	12,089	2.3	
Tobacco.....	3,616	3,595	3,588	0.6	0.2	-0.8	3,800	3,693	3,662	3,936	-3.5	
Textile mills.....	3,335	3,285	3,222	1.5	2.0	1.4	3,376	3,284	3,232	3,002	12.5	
Textile products.....	3,085	3,055	3,037	1.0	0.6	0.7	3,106	2,970	3,014	2,812	10.5	
Apparel.....	2,850	2,816	2,790	1.2	0.9	0.5	2,852	2,851	2,680	2,379	19.9	
Leather and allied products.....	959	949	938	1.1	1.2	1.8	990	919	937	881	12.4	
Paper products.....	14,327	14,303	14,209	0.2	0.7	-0.2	14,377	14,283	14,259	13,924	3.3	
Pulp, paper, and paperboard mills.....	5,882	5,857	5,794	0.4	1.1	0.0	5,934	5,918	5,831	5,938	-0.1	
Paperboard containers.....	4,071	4,037	4,040	0.8	-0.1	-1.1	4,114	4,027	3,997	3,750	9.7	
Printing.....	5,615	5,590	5,491	0.4	1.8	1.0	5,468	5,326	5,582	5,240	4.4	
Petroleum and coal products.....	53,356	50,851	47,968	4.9	6.0	5.1	50,250	47,052	46,045	40,532	24.0	
Petroleum refineries.....	50,422	48,001	45,236	5.0	6.1	5.2	47,355	44,329	43,423	38,065	24.4	
Chemical products.....	72,386	71,051	69,598	1.9	2.1	-0.4	72,328	69,289	69,035	68,098	6.2	
Pesticides, fertilizers, and other agricultural chemicals.....	4,321	4,070	3,837	6.2	6.1	-3.2	4,781	4,134	3,812	4,657	2.7	
Pharmaceuticals and medicines.....	24,722	24,821	23,790	-0.4	4.3	-1.2	24,353	23,827	23,644	24,374	-1.4	
Paints, coatings, and adhesives.....	3,486	3,470	3,432	0.5	1.1	2.1	3,483	3,287	3,294	3,098	12.1	
Plastics and rubber products.....	19,827	19,580	19,581	1.3	0.0	0.1	19,933	19,164	19,392	18,565	7.4	

^P Preliminary^F 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 of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable aggregates totals, but are not shown separately.

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^{1,2}

[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 ⁶ 2011/2010
	Monthly			Percent Change			Monthly			Year to date			
	Jan. 2011 ^p	Dec. 2010 ^f	Nov. 2010	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2011 ^p	Dec. 2010 ^f	Nov. 2010	Jan. 2010	2011 ^p	2010	
SHIPMENTS													
All manufacturing industries.....	447,440	439,364	427,630	1.8	2.7	1.6	409,142	431,950	419,394	373,302	409,142	373,302	9.6
Construction materials and supplies.....	40,933	40,224	40,209	1.8	0.0	0.6	34,705	35,872	38,477	33,492	34,705	33,492	3.6
Information technology.....	27,585	27,507	27,615	0.3	-0.4	1.3	23,815	31,775	27,781	22,556	23,815	22,556	5.6
Computers and related products.....	6,077	6,182	6,461	-1.7	-4.3	-0.1	5,304	7,954	6,192	4,899	5,304	4,899	8.3
Motor vehicle and parts.....	30,553	30,281	29,447	0.9	2.8	-2.1	28,251	29,141	29,371	28,595	28,251	28,595	-1.2
Capital goods.....	73,943	76,501	74,018	-3.3	3.4	0.2	64,616	84,417	72,240	62,119	64,616	62,119	4.0
Nondefense capital goods ³	65,682	67,550	65,280	-2.8	3.5	0.5	57,822	74,923	63,380	52,266	57,822	52,266	10.6
Excluding aircraft.....	61,856	63,074	61,576	-1.9	2.4	1.5	55,540	68,396	59,611	49,736	55,540	49,736	11.7
Defense capital goods ⁴	8,261	8,951	8,738	-7.7	2.4	-1.5	6,794	9,494	8,860	9,853	6,794	9,853	-31.0
Consumer goods.....	190,459	184,356	177,906	3.3	3.6	2.6	176,842	181,868	177,933	157,029	176,842	157,029	12.6
Consumer durable goods.....	24,787	24,524	23,979	1.1	2.3	-0.7	22,323	24,948	24,178	22,041	22,323	22,041	1.3
Consumer nondurable goods.....	165,672	159,832	153,927	3.7	3.8	3.2	154,519	156,920	153,755	134,988	154,519	134,988	14.5
NEW ORDERS													
All manufacturing industries ⁵	445,576	432,016	426,050	3.1	1.4	1.3	411,929	437,211	414,440	371,740	411,929	371,740	10.8
Construction materials and supplies.....	42,429	41,617	40,613	2.0	2.5	1.0	36,827	36,588	37,931	33,935	36,827	33,935	8.5
Information technology.....	27,127	28,382	28,405	-4.4	-0.1	7.2	23,799	34,518	27,404	22,208	23,799	22,208	7.2
Computers and related products.....	5,852	6,116	6,783	-4.3	-9.8	7.3	5,079	7,888	6,514	4,393	5,079	4,393	15.6
Motor vehicle and parts.....	30,372	30,349	29,611	0.1	2.5	-2.4	28,254	29,734	29,584	28,747	28,254	28,747	-1.7
Capital goods.....	77,599	71,518	74,365	8.5	-3.8	-5.8	71,164	90,037	71,612	64,476	71,164	64,476	10.4
Nondefense capital goods ³	66,625	63,220	65,647	5.4	-3.7	-7.9	59,974	77,214	63,976	53,169	59,974	53,169	12.8
Excluding aircraft.....	62,630	66,776	64,221	-6.2	4.0	3.3	58,388	71,274	61,296	50,639	58,388	50,639	15.3
Defense capital goods ⁴	10,974	8,298	8,718	32.2	-4.8	14.2	11,190	12,823	7,636	11,307	11,190	11,307	-1.0
Consumer goods.....	190,288	184,538	178,167	3.1	3.6	2.7	176,945	181,808	178,240	157,618	176,945	157,618	12.3
Consumer durable goods.....	24,616	24,706	24,240	-0.4	1.9	-0.3	22,426	24,888	24,485	22,630	22,426	22,630	-0.9
Consumer nondurable goods.....	165,672	159,832	153,927	3.7	3.8	3.2	154,519	156,920	153,755	134,988	154,519	134,988	14.5
UNFILLED ORDERS													
All manufacturing industries ⁵	829,569	824,758	826,383	0.6	-0.2	0.5	835,414	824,485	814,824	799,159	(X)	(X)	4.5
Construction materials and supplies.....	58,056	56,560	55,167	2.6	2.5	0.7	57,191	55,069	54,353	50,688	(X)	(X)	12.8
Information technology.....	121,377	121,835	120,960	-0.4	0.7	0.7	121,850	121,866	119,123	117,929	(X)	(X)	3.3
Computers and related products.....	5,354	5,579	5,645	-4.0	-1.2	6.0	5,354	5,579	5,645	4,865	(X)	(X)	10.1
Motor vehicle and parts.....	14,041	14,222	14,154	-1.3	0.5	1.2	14,455	14,452	13,859	14,800	(X)	(X)	-2.3
Capital goods.....	642,614	638,958	643,941	0.6	-0.8	0.1	648,398	641,850	636,230	622,809	(X)	(X)	4.1
Nondefense capital goods ³	501,206	500,263	504,593	0.2	-0.9	0.1	505,326	503,174	500,883	481,072	(X)	(X)	5.0
Excluding aircraft.....	208,590	207,816	204,114	0.4	1.8	1.3	208,486	205,638	202,760	187,765	(X)	(X)	11.0
Defense capital goods ⁴	141,408	138,695	139,348	2.0	-0.5	0.0	143,072	138,676	135,347	141,737	(X)	(X)	0.9
Consumer goods.....	8,808	8,979	8,797	-1.9	2.1	3.1	8,818	8,715	8,775	8,606	(X)	(X)	2.5
Consumer durable goods.....	8,808	8,979	8,797	-1.9	2.1	3.1	8,818	8,715	8,775	8,606	(X)	(X)	2.5
TOTAL INVENTORIES													
All manufacturing industries.....	559,254	552,135	544,583	1.3	1.4	0.9	557,097	537,728	545,772	507,776	(X)	(X)	9.7
Construction materials and supplies.....	55,534	55,229	55,141	0.6	0.2	0.2	55,747	53,807	54,616	53,449	(X)	(X)	4.3
Information technology.....	39,104	39,140	39,352	-0.1	-0.5	-0.2	39,097	38,234	40,012	37,716	(X)	(X)	3.7
Computers and related products.....	4,530	4,461	4,567	1.5	-2.3	-3.3	4,363	4,195	4,759	4,331	(X)	(X)	0.7
Motor vehicle and parts.....	21,818	21,715	21,750	0.5	-0.2	1.7	22,111	21,031	21,946	18,639	(X)	(X)	18.6
Capital goods.....	155,621	154,526	153,376	0.7	0.7	0.9	155,345	150,379	155,217	141,560	(X)	(X)	9.7
Nondefense capital goods ³	138,132	137,058	135,683	0.8	1.0	0.8	137,736	132,938	137,508	123,380	(X)	(X)	11.6
Excluding aircraft.....	104,005	103,715	103,770	0.3	-0.1	0.4	104,097	101,252	105,230	97,963	(X)	(X)	6.3
Defense capital goods ⁴	17,489	17,468	17,693	0.1	-1.3	2.0	17,609	17,441	17,709	18,180	(X)	(X)	-3.1
Consumer goods.....	176,325	173,088	168,703	1.9	2.6	1.4	173,749	167,314	169,225	157,659	(X)	(X)	10.2
Consumer durable goods.....	23,926	23,811	23,766	0.5	0.2	1.5	24,221	22,961	24,090	21,128	(X)	(X)	14.6
Consumer nondurable goods.....	152,399	149,277	144,937	2.1	3.0	1.4	149,528	144,353	145,135	136,531	(X)	(X)	9.5

X Not Applicable ^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 Topical series are regroupings of the separate industry categories.

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

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

⁵ Estimates and percent changes exclude semiconductor industry data.

⁶ 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 Group¹

[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. 11/10
	Jan. 2011 ^P	Dec. 2010 ^r	Nov. 2010	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2011 ^P	Dec. 2010 ^r	Nov. 2010	Jan. 2010	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	187,588	184,926	182,036	1.4	1.6	1.2	187,851	183,378	181,384	172,941	8.6
Durable goods industries.....	109,508	108,664	107,669	0.8	0.9	1.0	109,965	108,367	108,127	101,904	7.9
Wood products.....	3,160	3,221	3,203	-1.9	0.6	0.8	3,305	3,393	3,340	3,286	0.6
Nonmetallic mineral products.....	4,590	4,438	4,469	3.4	-0.7	-0.7	4,574	4,399	4,438	4,518	1.2
Primary metals.....	12,789	12,515	12,288	2.2	1.8	1.6	12,719	12,667	12,435	10,805	17.7
Fabricated metal products.....	16,209	15,946	15,591	1.6	2.3	1.5	16,368	16,107	15,420	14,715	11.2
Machinery.....	21,006	20,723	20,539	1.4	0.9	1.6	21,186	20,312	20,724	19,320	9.7
Computers and electronic products.....	15,841	15,713	15,650	0.8	0.4	1.5	15,862	15,643	15,985	14,602	8.6
Electrical equipment, appliances, and components.....	5,532	5,658	5,762	-2.2	-1.8	-0.2	5,564	5,605	5,687	5,274	5.5
Transportation equipment.....	20,131	20,233	20,127	-0.5	0.5	-0.3	20,082	20,132	20,043	19,690	2.0
Furniture and related products.....	3,212	3,192	3,166	0.6	0.8	-0.3	3,223	3,162	3,170	2,913	10.6
Miscellaneous products.....	7,038	7,025	6,874	0.2	2.2	2.1	7,082	6,947	6,885	6,781	4.4
Nondurable goods industries.....	78,080	76,262	74,367	2.4	2.5	1.6	77,886	75,011	73,257	71,037	9.6
Food products.....	14,553	14,629	14,438	-0.5	1.3	-0.4	14,996	14,816	14,637	14,766	1.6
Beverage and tobacco products.....	4,178	4,175	4,152	0.1	0.6	-0.7	4,344	4,288	4,193	4,461	-2.9
Textiles.....	1,228	1,206	1,176	1.8	2.6	1.2	1,233	1,205	1,166	1,064	15.6
Textile products.....	1,253	1,241	1,238	1.0	0.2	1.0	1,245	1,220	1,235	1,113	11.9
Apparel.....	810	786	761	3.1	3.3	3.3	816	792	733	600	36.0
Leather and allied products.....	356	355	355	0.3	0.0	1.1	360	350	350	318	13.2
Paper products.....	7,018	6,991	6,935	0.4	0.8	-0.3	7,070	7,049	6,984	6,800	4.0
Printing.....	2,453	2,455	2,420	-0.1	1.4	0.0	2,400	2,407	2,439	2,226	7.8
Petroleum and coal products.....	14,832	13,527	12,573	9.6	7.6	5.9	13,849	12,495	11,608	10,500	31.9
Chemical products.....	22,940	22,609	22,138	1.5	2.1	2.1	23,059	22,160	21,830	21,565	6.9
Plastics and rubber products.....	8,459	8,288	8,181	2.1	1.3	0.8	8,514	8,229	8,082	7,624	11.7
WORK IN PROCESS											
All manufacturing industries.....	170,824	169,346	165,278	0.9	2.5	1.1	170,240	164,373	167,200	151,456	12.4
Durable goods industries.....	121,356	120,583	118,439	0.6	1.8	1.1	121,332	116,669	119,552	107,251	13.1
Wood products.....	1,726	1,700	1,687	1.5	0.8	0.4	1,698	1,659	1,688	1,586	7.1
Nonmetallic mineral products.....	1,346	1,359	1,376	-1.0	-1.2	1.5	1,338	1,270	1,296	1,305	2.5
Primary metals.....	9,401	9,238	9,088	1.8	1.7	1.7	9,244	8,720	9,029	8,110	14.0
Fabricated metal products.....	11,859	11,726	11,791	1.1	-0.6	1.3	11,855	11,362	11,897	10,986	7.9
Machinery.....	14,350	14,387	14,460	-0.3	-0.5	-0.3	14,269	13,817	14,897	13,775	3.6
Computers and electronic products.....	19,829	20,187	20,267	-1.8	-0.4	-0.6	19,943	19,695	20,514	19,156	4.1
Electrical equipment, appliances, and components.....	3,400	3,333	3,297	2.0	1.1	0.4	3,390	3,177	3,282	2,996	13.2
Transportation equipment.....	55,034	54,240	52,124	1.5	4.1	2.4	55,241	52,722	52,577	45,455	21.5
Furniture and related products.....	1,040	1,022	1,018	1.8	0.4	0.5	1,043	1,012	1,019	957	9.0
Miscellaneous products.....	3,371	3,391	3,331	-0.6	1.8	-2.3	3,311	3,235	3,353	2,925	13.2
Nondurable goods industries.....	49,468	48,763	46,839	1.4	4.1	0.9	48,908	47,704	47,648	44,205	10.6
Food products.....	3,831	3,829	3,803	0.1	0.7	1.9	4,168	4,414	4,767	3,954	5.4
Beverage and tobacco products.....	5,804	5,762	5,707	0.7	1.0	0.7	6,066	6,099	6,087	6,036	0.5
Textiles.....	711	705	703	0.9	0.3	1.2	720	685	709	667	7.9
Textile products.....	516	520	500	-0.8	4.0	0.8	517	497	500	486	6.4
Apparel.....	355	346	349	2.6	-0.9	-1.7	350	321	344	329	6.4
Leather and allied products.....	77	79	81	-2.5	0.0	0.0	85	81	80	85	0.0
Paper products.....	1,361	1,361	1,364	0.0	-0.2	-1.7	1,366	1,368	1,354	1,357	0.7
Printing.....	1,305	1,304	1,296	0.1	0.6	1.6	1,268	1,186	1,355	1,340	-5.4
Petroleum and coal products.....	16,993	16,571	15,386	2.5	7.7	6.2	15,913	15,396	14,759	11,712	35.9
Chemical products.....	16,151	16,000	15,348	0.9	4.2	-3.6	16,055	15,429	15,399	16,089	-0.2
Plastics and rubber products.....	2,364	2,286	2,302	3.4	-0.7	-1.4	2,400	2,228	2,294	2,150	11.6
FINISHED GOODS											
All manufacturing industries.....	200,842	197,863	197,269	1.5	0.3	0.5	199,006	189,977	197,188	183,379	8.5
Durable goods industries.....	93,844	93,303	93,874	0.6	-0.6	0.4	93,858	89,650	93,978	86,573	8.4
Wood products.....	4,016	3,900	3,879	3.0	0.5	-1.4	4,038	3,677	3,760	3,907	3.4
Nonmetallic mineral products.....	5,421	5,489	5,500	-1.2	-0.2	0.3	5,472	5,338	5,290	5,436	0.7
Primary metals.....	10,333	10,197	10,135	1.3	0.6	1.6	10,430	10,166	10,034	8,645	20.6
Fabricated metal products.....	14,776	14,871	15,001	-0.6	-0.9	-0.5	14,762	14,324	14,748	14,188	4.0
Machinery.....	17,948	17,848	17,967	0.6	-0.7	1.1	18,214	17,513	18,033	16,751	8.7
Computers and electronic products.....	10,356	10,146	10,089	2.1	0.6	-1.9	10,366	9,749	10,309	9,312	11.3
Electrical equipment, appliances, and components.....	5,784	5,788	5,826	-0.1	-0.7	-0.4	5,788	5,531	5,813	5,284	9.5
Transportation equipment.....	11,862	11,837	12,435	0.2	-4.8	2.7	11,482	10,449	12,727	10,798	6.3
Furniture and related products.....	2,366	2,354	2,317	0.5	1.6	1.1	2,343	2,221	2,367	2,078	12.8
Miscellaneous products.....	10,982	10,873	10,725	1.0	1.4	0.2	10,963	10,682	10,897	10,174	7.8
Nondurable goods industries.....	106,998	104,560	103,395	2.3	1.1	0.5	105,148	100,327	103,210	96,806	8.6
Food products.....	24,517	23,898	23,902	2.6	0.0	-0.4	23,926	23,145	24,580	21,870	9.4
Beverage and tobacco products.....	5,923	5,812	5,765	1.9	0.8	0.6	5,762	5,312	5,675	5,528	4.2
Textiles.....	1,396	1,374	1,343	1.6	2.3	1.7	1,423	1,394	1,357	1,271	12.0
Textile products.....	1,316	1,294	1,299	1.7	-0.4	0.5	1,344	1,253	1,279	1,213	10.8
Apparel.....	1,685	1,684	1,680	0.1	0.2	-0.3	1,686	1,568	1,603	1,450	16.3
Leather and allied products.....	526	515	502	2.1	2.6	2.7	545	488	507	478	14.0
Paper products.....	5,948	5,951	5,910	-0.1	0.7	0.3	5,941	5,866	5,921	5,767	3.0
Printing.....	1,857	1,831	1,775	1.4	3.2	1.8	1,800	1,733	1,788	1,674	7.5
Petroleum and coal products.....	21,531	20,753	20,009	3.7	3.7	3.7	20,488	19,161	19,678	18,320	11.8
Chemical products.....	33,295	32,442	32,112	2.6	1.0	-0.5	33,214	31,700	31,806	30,444	9.1
Plastics and rubber products.....	9,004	9,006	9,098	0.0	-1.0	-0.1	9,019	8,707	9,016	8,791	2.6

^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 revisions.

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group³

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Jan 2011 ^P	Dec 2010 ^F	Nov 2010	Oct 2010	Jan 2011 ^P	Dec 2010 ^F	Nov 2010	Oct 2010
All manufacturing industries ²	1.25	1.26	1.27	1.28	(X)	(X)	(X)	(X)
Durable goods industries ²	1.60	1.60	1.62	1.61	5.60	5.55	5.72	5.75
Wood products.....	1.36	1.34	1.36	1.37	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.37	1.39	1.40	1.39	(X)	(X)	(X)	(X)
Primary metals.....	1.41	1.44	1.50	1.54	0.96	0.99	1.01	0.95
Fabricated metal products.....	1.53	1.52	1.54	1.54	2.00	1.99	2.02	2.04
Machinery.....	2.09	1.94	2.08	2.12	4.93	4.54	4.70	4.75
Computers and electronic products ²	1.35	1.39	1.36	1.37	5.01	5.06	4.89	4.91
Electrical equipment, appliances, and components.....	1.45	1.47	1.51	1.54	2.89	2.92	2.90	2.85
Transportation equipment.....	1.81	1.79	1.81	1.73	13.66	13.48	14.19	13.90
Furniture and related products.....	1.15	1.16	1.14	1.19	1.33	1.37	1.36	1.38
Miscellaneous products.....	1.61	1.65	1.61	1.61	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.96	0.97	0.98	0.99	(X)	(X)	(X)	(X)
Food products.....	0.73	0.74	0.74	0.75	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.54	1.51	1.46	1.46	(X)	(X)	(X)	(X)
Textiles.....	1.34	1.37	1.37	1.35	(X)	(X)	(X)	(X)
Textile products.....	1.68	1.65	1.63	1.65	(X)	(X)	(X)	(X)
Apparel.....	2.11	2.10	2.10	2.12	(X)	(X)	(X)	(X)
Leather and allied products.....	2.35	2.29	2.30	2.31	(X)	(X)	(X)	(X)
Paper products.....	0.99	0.99	0.99	0.99	(X)	(X)	(X)	(X)
Printing.....	0.77	0.76	0.75	0.76	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.77	0.79	0.82	0.83	(X)	(X)	(X)	(X)
Chemical products.....	1.17	1.16	1.15	1.18	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.23	1.22	1.25	1.27	(X)	(X)	(X)	(X)

X Not Applicable ^P Preliminary ^F Revised data due to late receipts and concurrent seasonal adjustment.

¹ 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.

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes³

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Jan ¹ 2011	Jan ² 2010- Dec 2010	Jan ¹ 2011	Jan ² 2010- Dec 2010	Jan ¹ 2011	Jan ² 2010- Dec 2010	Jan ¹ 2011	Jan ² 2010- Dec 2010
	All manufacturing industries.....	(X)	0.4	(X)	0.6	(X)	0.1	(X)
Durable goods industries.....	0.0	0.4	0.5	0.7	0.1	0.1	0.0	0.2
Wood products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.4	0.7	2.0	1.8	0.5	1.5	0.1	0.4
Fabricated metal products.....	0.0	0.5	0.6	0.8	0.5	0.2	0.0	0.2
Machinery.....	-0.6	0.9	0.4	2.2	0.3	0.5	0.1	0.2
Computers and electronic products.....	0.7	0.9	0.9	1.0	0.0	0.2	-0.5	0.3
Electrical equipment, appliances, and components.....	-0.1	0.5	0.0	1.5	-0.2	0.5	0.1	0.3
Transportation equipment.....	-0.2	1.1	-0.3	1.4	0.0	0.1	0.1	0.4
Furniture and related products.....	(X)	0.5	(X)	1.2	(X)	0.8	(X)	0.5
Miscellaneous products.....	(X)	0.3	(X)	0.3	(X)	0.3	(X)	0.2
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Paper products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	1.2
Chemical products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4

X Not Applicable

NA Not Available

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

² 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.

³ 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 59 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 13, 2011. These revisions reflect:

- benchmarking the shipments and inventory data to the 2009 Annual Survey of Manufactures (ASM) data;
- incorporating the unfilled orders to shipments ratios obtained from the 2008/2009 Manufacturers' Unfilled Orders Survey by applying these ratios to the respective ASM shipments data;
- adjusting new orders 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; and
- updating the seasonal adjustment factors for all series.

An accompanying press release will include the revised 2011 January through March data. Please call Heather Dudash on (301)763-4832 with any questions.