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Full Report on Manufacturers' Shipments, Inventories and Orders January 2010

Summary

New orders for manufactured goods in January, up nine of the last ten months, increased \$6.2 billion or 1.7 percent to \$378.4 billion, the U.S. Census Bureau reported today. This followed a 1.5 percent December increase. Excluding transportation, new orders increased 0.1 percent.

Shipments, up seven of the last eight months, increased \$1.0 billion or 0.3 percent to \$383.7 billion. This followed a 1.8 percent December increase.

Unfilled orders, up following fifteen consecutive monthly decreases, increased \$0.1 billion to \$717.8 billion. This followed a 0.9 percent December decrease. The unfilled orders-to-shipments ratio was 5.54, up from 5.44 in December.

Inventories, up three of the last four months, increased \$0.8 billion or 0.2 percent to \$495.2 billion. This followed a 0.2 percent December decrease. The inventories-to-shipments ratio was 1.29, unchanged from December.

New Orders

New orders for manufactured durable goods in January, up two consecutive months, increased \$4.4 billion or 2.6 percent to \$174.9 billion, revised from the previously published 3.0 percent increase. This followed a 1.8 percent December increase.

Transportation equipment, up four of the last five months, had the largest increase, \$5.8 billion or 15.0 percent to \$44.6 billion.

New orders for manufactured nondurable goods increased \$1.7 billion or 0.9 percent to \$203.5 billion.

Shipments

Shipments of manufactured durable goods in January, down following four consecutive monthly increases, decreased \$0.7 billion or 0.4 percent to \$180.2 billion, revised from the previously published 0.2 percent decrease. This followed a 2.4 percent December increase.

Transportation equipment, down following two consecutive monthly increases, had the largest decrease, \$1.8 billion or 3.9 percent to \$44.4 billion.

Shipments of manufactured nondurable goods, up nine of the last ten months, increased \$1.7 billion or 0.9 percent to \$203.5 billion. This followed a 1.3 percent December increase. This increase was led by petroleum and coal products, which increased \$1.3 billion or 2.8 percent to \$45.9 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in January, up following fifteen consecutive monthly decreases, increased \$0.1 billion to \$717.8 billion, revised from the previously published 0.1 percent increase. This followed a 0.9 percent December decrease.

Primary metals, up seven of the last eight months, had the largest increase, \$0.5 billion or 3.4 percent to \$16.1 billion.

Inventories

Inventories of manufactured durable goods in January, down thirteen consecutive months, decreased \$0.1 billion to \$302.6 billion, unchanged from the previously published decrease. This followed a 0.2 percent December decrease.

Computers and electronic products, down twelve of the last thirteen months, had the largest decrease, \$0.5 billion or 1.1 percent to \$42.9 billion.

Inventories of manufactured nondurable goods, up three of the last four months, increased \$0.8 billion or 0.4 percent to \$192.6 billion. This followed a 0.1 percent December decrease. Petroleum and coal products led the increase, up \$0.7 billion or 2.3 percent to \$31.9 billion.

By stage of fabrication, January materials and supplies decreased 0.4 percent in durable goods and 0.4 percent in nondurable goods. Work in process increased 0.3 percent in durable goods and decreased 1.7 percent in nondurable goods. Finished goods decreased 0.1 percent in durable goods and increased 2.0 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, 2010, at 8:30 a.m. EDT and the full report on March 31, 2010, 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. 2010 ^P	Dec. 2009 ^F	Nov. 2009	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2010 ^P	Dec. 2009 ^F	Nov. 2009	Jan. 2009	2010 ^P	2009	Percent 2010/ 2009
All manufacturing industries.....	383,722	382,727	376,048	0.3	1.8	1.6	348,657	378,709	366,265	332,396	348,657	332,396	4.9
Excluding transportation.....	339,277	336,490	332,083	0.8	1.3	1.7	310,965	329,927	322,609	294,910	310,965	294,910	5.4
Excluding defense.....	369,955	369,519	362,284	0.1	2.0	1.7	337,475	364,145	352,127	322,949	337,475	322,949	4.5
With unfilled orders.....	129,486	131,932	128,189	-1.9	2.9	1.1	114,018	134,593	123,829	113,163	114,018	113,163	0.8
Durable goods industries.....	180,217	180,942	176,772	-0.4	2.4	0.8	160,187	182,395	170,821	158,380	160,187	158,380	1.1
Wood products.....	7,445	7,411	7,589	0.5	-2.3	-0.1	6,180	6,644	7,119	6,233	6,180	6,233	-0.9
Nonmetallic mineral products.....	7,455	7,447	7,414	0.1	0.4	2.2	6,285	6,421	7,098	6,672	6,285	6,672	-5.8
Primary metals.....	16,543	16,369	15,207	1.1	7.6	4.5	15,453	14,134	13,972	13,563	15,453	13,563	13.9
Iron and steel mills.....	7,292	6,779	6,313	7.6	7.4	6.0	6,677	5,899	5,777	5,917	6,677	5,917	12.8
Aluminum and nonferrous metals.....	7,993	8,267	7,614	-3.3	8.6	3.5	7,618	7,089	7,046	6,403	7,618	6,403	19.0
Ferrous metal foundries.....	1,258	1,323	1,280	-4.9	3.4	2.5	1,158	1,146	1,149	1,243	1,158	1,243	-6.8
Fabricated metal products.....	23,892	23,982	24,125	-0.4	-0.6	0.2	21,625	22,227	22,912	22,922	21,625	22,922	-5.7
Machinery.....	22,555	24,026	22,726	-6.1	5.7	2.7	20,419	24,205	20,918	22,475	20,419	22,475	-9.1
Farm machinery.....	2,257	2,133	2,125	5.8	0.4	-0.8	2,049	1,748	1,642	2,384	2,049	2,384	-14.1
Construction machinery.....	1,566	1,516	1,468	3.3	3.3	2.6	1,382	1,529	1,360	1,699	1,382	1,699	-18.7
Mining, oil field, and gas field machinery.....	1,349	1,298	1,269	3.9	2.3	-1.2	1,295	1,484	1,262	1,537	1,295	1,537	-15.7
Industrial machinery.....	2,164	2,273	2,303	-4.8	-1.3	21.3	2,154	2,686	1,993	2,578	2,154	2,578	-16.4
Photographic equipment.....	592	592	561	0.0	5.5	1.3	471	682	597	418	471	418	12.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,280	3,316	3,241	-1.1	2.3	0.1	2,580	3,332	2,976	2,555	2,580	2,555	1.0
Metalworking machinery.....	1,582	1,638	1,675	-3.4	-2.2	6.7	1,503	1,704	1,588	1,737	1,503	1,737	-13.5
Turbines, generators, and other power transmission equipment.....	2,422	3,790	2,759	-36.1	37.4	-4.1	2,328	3,673	2,697	2,882	2,328	2,882	-19.2
Material handling equipment.....	1,578	1,642	1,692	-3.9	-3.0	2.4	1,447	1,646	1,597	1,564	1,447	1,564	-7.5
Computers and electronic products.....	32,150	29,695	30,163	8.3	-1.6	-1.0	29,292	33,558	29,894	25,319	29,292	25,319	15.7
Computers.....	2,775	2,743	2,604	1.2	5.3	6.6	2,716	3,108	2,520	2,634	2,716	2,634	3.1
Computer storage devices.....	837	579	673	44.6	-14.0	-9.9	555	1,024	537	289	555	289	92.0
Other peripheral equipment.....	1,450	1,369	1,315	5.9	4.1	1.9	1,026	2,075	1,275	848	1,026	848	21.0
Nondefense communications equipment.....	4,189	4,182	4,313	0.2	-3.0	-2.2	3,151	5,288	4,498	3,044	3,151	3,044	3.5
Defense communications equipment.....	653	655	725	-0.3	-9.7	-8.2	605	620	762	772	605	772	-21.6
Audio and video equipment.....	578	573	593	0.9	-3.4	1.0	500	753	822	419	500	419	19.3
Semiconductors.....	5,365	4,060	4,078	32.1	-0.4	-8.3	6,596	3,160	3,897	4,746	6,596	4,746	39.0
Electronic components.....	3,683	3,541	3,410	4.0	3.8	-0.3	3,281	3,980	3,330	2,956	3,281	2,956	11.0
Nondefense search and navigation equipment.....	863	823	872	4.9	-5.6	0.6	719	877	856	723	719	723	-0.6
Defense search and navigation equipment.....	2,997	2,882	3,000	4.0	-3.9	3.0	2,444	2,987	3,159	2,029	2,444	2,029	20.5
Electromedical, measuring, and control instruments.....	8,368	7,892	8,180	6.0	-3.5	0.4	7,353	9,254	7,748	6,436	7,353	6,436	14.2
Electrical equipment, appliances, and components.....	8,417	8,616	8,574	-2.3	0.5	2.6	7,422	8,419	8,318	7,736	7,422	7,736	-4.1
Electric lighting equipment.....	1,063	1,044	1,039	1.8	0.5	2.2	931	1,072	1,015	856	931	856	8.8
Household appliances.....	1,699	1,675	1,694	1.4	-1.1	7.3	1,375	1,679	1,671	1,387	1,375	1,387	-0.9
Electrical equipment.....	2,446	2,711	2,632	-9.8	3.0	3.3	2,232	2,650	2,412	2,516	2,232	2,516	-11.3
Batteries.....	718	686	754	4.7	-9.0	-9.0	635	713	895	630	635	630	0.8
Transportation equipment.....	44,445	46,237	43,965	-3.9	5.2	0.4	37,692	48,782	43,656	37,486	37,692	37,486	0.5
Automobiles.....	5,095	5,340	4,978	-4.6	7.3	3.8	4,710	5,018	4,871	4,254	4,710	4,254	10.7
Light trucks and utility vehicles.....	4,389	4,531	4,361	-3.1	3.9	2.1	3,752	4,757	4,325	5,261	3,752	5,261	-28.7
Heavy duty trucks.....	1,380	1,392	1,283	-0.9	8.5	10.7	1,283	1,368	1,239	1,121	1,283	1,121	14.5
Motor vehicle bodies, parts, and trailers.....	14,511	14,441	13,917	0.5	3.8	1.9	13,259	12,873	13,606	12,193	13,259	12,193	8.7
Nondefense aircraft and parts.....	6,982	8,742	7,440	-20.1	17.5	-2.7	5,089	11,330	7,460	6,511	5,089	6,511	-21.8
Defense aircraft and parts.....	5,630	5,783	5,731	-2.6	0.9	2.3	4,325	6,908	5,783	3,598	4,325	3,598	20.2
Ships and boats.....	2,055	1,829	1,866	12.4	-2.0	-2.9	1,768	1,838	1,920	1,697	1,768	1,697	4.2
Furniture and related products.....	4,976	5,046	5,018	-1.4	0.6	0.3	4,632	4,950	4,848	4,937	4,632	4,937	-6.2
Miscellaneous durable goods.....	12,339	12,113	11,991	1.9	1.0	-1.2	11,187	13,055	12,086	11,037	11,187	11,037	1.4
Nondurable goods industries.....	203,505	201,785	199,276	0.9	1.3	2.2	188,470	196,314	195,444	174,016	188,470	174,016	8.3
Food products.....	51,382	50,708	50,584	1.3	0.2	0.8	49,260	50,842	51,738	47,986	49,260	47,986	2.7
Grain and oilseed milling.....	6,411	6,116	5,737	4.8	6.6	-0.4	6,124	5,996	5,976	5,489	6,124	5,489	11.6
Dairy products.....	6,362	6,344	6,130	0.3	3.5	1.9	6,244	6,576	6,350	6,215	6,244	6,215	0.5
Meat, poultry, and seafood products.....	15,022	14,924	14,763	0.7	1.1	1.9	14,613	14,653	14,836	14,182	14,613	14,182	3.0
Beverage and tobacco products.....	10,985	11,242	10,980	-2.3	2.4	-1.8	10,087	11,034	11,160	10,505	10,087	10,505	-4.0
Beverages.....	7,593	7,639	7,597	-0.6	0.6	0.8	6,695	7,431	7,777	7,040	6,695	7,040	-4.9
Tobacco.....	3,392	3,603	3,383	-5.9	6.5	-7.0	3,392	3,603	3,383	3,465	3,392	3,465	-2.1
Textile mills.....	2,355	2,345	2,368	0.4	-1.0	3.4	2,225	2,135	2,325	2,121	2,225	2,121	4.9
Textile products.....	1,793	1,820	1,770	-1.5	2.8	2.1	1,621	1,603	1,723	1,685	1,621	1,685	-3.8
Apparel.....	2,152	2,178	2,146	-1.2	1.5	-0.3	1,900	2,040	2,412	2,025	1,900	2,025	-6.2
Leather and allied products.....	393	396	405	-0.8	-2.2	0.2	327	371	379	352	327	352	-7.1
Paper products.....	12,973	13,056	12,834	-0.6	1.7	0.1	12,649	12,883	12,652	12,927	12,649	12,927	-2.2
Pulp, paper, and paperboard mills.....	6,306	6,311	6,208	-0.1	1.7	0.5	6,237	6,222	6,003	6,277	6,237	6,277	-0.6
Paperboard containers.....	3,359	3,416	3,321	-1.7	2.9	-0.9	3,239	3,322	3,275	3,488	3,239	3,488	-7.1
Printing.....	7,157	7,211	7,132	-0.7	1.1	0.6	6,712	7,346	7,394	7,234	6,712	7,234	-7.2
Petroleum and coal products.....	45,859	44,594	43,437	2.8	2.7	7.4	40,039	42,152	41,049	28,569	40,039	28,569	40.1
Petroleum refineries.....	43,088	42,164	40,663	2.2	3.7	7.6	37,853	40,097	38,552	26,260	37,853	26,260	44.1
Chemical products.....	52,665	52,435	51,951	0.4	0.9	1.3	49,167	51,588	49,753	46,774	49,167	46,774	5.1
Pesticides, fertilizers, and other agricultural chemicals.....	3,585	3,519	3,301	1.9	6.6	25.2	2,980	2,925	2,408	2,439	2,980	2,439	22.2
Pharmaceuticals and medicines.....	13,684	14,030	13,707	-2.5	2.4	-2.0	12,911	14,613	13,632	13,663	12,911	13,663	-5.5
Paints, coatings, and adhesives.....	2,435	2,408	2,494	1.1	-3.4	-0.3	2,081	2,009	2,177	2,200	2,081	2,200	-5.4
Plastics and rubber products.....	15,791	15,800	15,669	-0.1	0.8	2.0	14,483	14,320	14,859	13,838	14,483	13,838	4.7

NA Not Available

^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.

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. 2010 ^p	Dec. 2009 ^r	Nov. 2009	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2010 ^p	Dec. 2009 ^r	Nov. 2009	Jan. 2009	2010 ^p	2009	Percent 2010/2009
All manufacturing industries ²	378,446	372,285	366,688	1.7	1.5	1.0	347,975	379,399	354,363	319,884	347,975	319,884	8.8
Excluding transportation ²	333,868	333,514	328,516	0.1	1.5	2.1	307,607	327,374	316,907	285,156	307,607	285,156	7.9
Excluding defense ²	364,488	360,940	355,778	1.0	1.5	1.3	334,371	362,288	344,175	310,028	334,371	310,028	7.9
With unfilled orders ²	129,575	125,550	122,907	3.2	2.2	-0.8	119,932	138,443	115,824	105,397	119,932	105,397	13.8
Durable goods industries ²	174,941	170,500	167,412	2.6	1.8	-0.4	159,505	183,085	158,919	145,868	159,505	145,868	9.3
Primary metals.....	17,073	16,726	15,189	2.1	10.1	2.6	16,551	14,423	13,797	12,713	16,551	12,713	30.2
Iron and steel mills.....	7,809	7,028	6,382	11.1	10.1	5.6	7,671	5,922	5,560	5,398	7,671	5,398	42.1
Aluminum and nonferrous metals.....	7,991	8,287	7,544	-3.6	9.8	-0.3	7,629	7,259	7,077	6,110	7,629	6,110	24.9
Ferrous metal foundries.....	1,273	1,411	1,263	-9.8	11.7	5.3	1,251	1,242	1,160	1,205	1,251	1,205	3.8
Fabricated metal products.....	23,802	23,929	24,440	-0.5	-2.1	2.2	21,856	22,358	22,651	21,464	21,856	21,464	1.8
Machinery.....	22,183	24,439	22,784	-9.2	7.3	3.2	21,591	23,930	20,575	20,379	21,591	20,379	5.9
Construction machinery.....	1,391	1,320	1,218	5.4	8.4	-3.2	1,391	1,428	1,085	993	1,391	993	40.1
Mining, oil field, and gas field machinery.....	1,561	1,342	1,219	16.3	10.1	11.2	1,507	1,450	1,252	1,006	1,507	1,006	49.8
Industrial machinery.....	2,303	2,503	2,516	-8.0	-0.5	37.9	2,874	2,586	2,156	2,006	2,874	2,006	43.3
Photographic equipment.....	523	676	566	-22.6	19.4	5.0	474	714	566	549	474	549	-13.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,314	3,774	3,581	-12.2	5.4	-0.6	3,051	3,382	3,007	2,741	3,051	2,741	11.3
Metalworking machinery.....	1,464	1,786	1,559	-18.0	14.6	-1.7	1,522	1,750	1,426	1,608	1,522	1,608	-5.3
Turbines, generators, and other power transmission equipment.....	2,258	3,388	2,864	-33.4	18.3	-7.4	2,138	3,591	2,858	2,644	2,138	2,644	-19.1
Material handling equipment.....	1,503	1,436	1,553	4.7	-7.5	-1.7	1,393	1,549	1,517	1,236	1,393	1,236	12.7
Computers and electronic products ²	26,303	25,838	25,697	1.8	0.5	1.3	22,418	31,691	24,671	19,771	22,418	19,771	13.4
Computers.....	2,266	2,942	2,884	-23.0	2.0	16.1	2,207	3,307	2,800	2,230	2,207	2,230	-1.0
Nondefense communications equipment.....	4,358	4,512	4,350	-3.4	3.7	2.6	3,313	5,516	3,890	2,748	3,313	2,748	20.6
Defense communications equipment.....	765	456	534	67.8	-14.6	-24.5	774	643	462	1,117	774	1,117	-30.7
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	3,887	3,799	3,797	2.3	0.1	8.2	3,548	4,062	3,600	2,912	3,548	2,912	21.8
Nondefense search and navigation equipment.....	672	748	817	-10.2	-8.4	-3.5	670	782	812	769	670	769	-12.9
Defense search and navigation equipment.....	2,676	2,342	2,149	14.3	9.0	-19.7	2,145	3,189	2,250	1,981	2,145	1,981	8.3
Electromedical, measuring, and control instruments.....	8,422	8,122	8,185	3.7	-0.8	4.1	7,334	9,908	7,733	6,035	7,334	6,035	21.5
Electrical equipment, appliances, and components.....	8,573	8,440	8,801	1.6	-4.1	3.5	8,206	7,806	8,375	8,013	8,206	8,013	2.4
Electric lighting equipment.....	1,030	955	1,125	7.9	-15.1	2.8	946	925	1,018	865	946	865	9.4
Household appliances.....	1,734	1,689	1,700	2.7	-0.6	9.0	1,543	1,581	1,668	1,491	1,543	1,491	3.5
Electrical equipment.....	2,596	2,704	2,702	-4.0	0.1	7.5	2,615	2,278	2,486	2,304	2,615	2,304	13.5
Transportation equipment.....	44,578	38,771	38,172	15.0	1.6	-7.8	40,368	52,025	37,456	34,728	40,368	34,728	16.2
Motor vehicle bodies, parts, and trailers.....	14,315	14,469	13,724	-1.1	5.4	-1.4	13,368	13,165	13,461	12,163	13,368	12,163	9.9
Nondefense aircraft and parts.....	6,845	3,132	4,373	118.6	-28.4	-40.4	5,064	13,030	4,767	4,041	5,064	4,041	25.3
Defense aircraft and parts.....	6,586	5,904	4,810	11.6	22.7	-9.1	6,522	8,090	4,521	3,995	6,522	3,995	63.3
Ships and boats.....	1,678	1,042	1,214	61.0	-14.2	-0.7	2,141	1,659	1,101	1,509	2,141	1,509	41.9
Furniture and related products.....	4,996	5,176	5,085	-3.5	1.8	2.5	4,669	4,522	4,841	4,981	4,669	4,981	-6.3
Nondurable goods industries.....	203,505	201,785	199,276	0.9	1.3	2.2	188,470	196,314	195,444	174,016	188,470	174,016	8.3

NA Not Available ^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 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. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication,

Current Industrial Reports: M3-3(07), "Manufacturers' Shipments, Inventories, and Orders: 2004-2007."

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				
	Monthly			Percent Change			Monthly				Percent Change Jan. 10/09
	Jan. 2010 ^P	Dec. 2009 ^r	Nov. 2009	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2010 ^P	Dec. 2009 ^r	Nov. 2009	Jan. 2009	
All manufacturing industries ²	717,761	717,672	724,054	0.0	-0.9	-0.7	722,748	716,834	712,984	790,987	-8.6
Excluding transportation ²	307,528	307,572	306,488	0.0	0.4	0.2	306,315	303,077	302,470	325,910	-6.0
Excluding defense ²	569,100	569,202	573,721	0.0	-0.8	-0.4	571,984	568,492	567,189	628,022	-8.9
Durable goods industries ²	717,761	717,672	724,054	0.0	-0.9	-0.7	722,748	716,834	712,984	790,987	-8.6
Primary metals.....	16,138	15,608	15,251	3.4	2.3	-0.1	16,073	14,975	14,686	17,477	-8.0
Iron and steel mills.....	8,751	8,234	7,985	6.3	3.1	0.9	8,568	7,574	7,551	8,829	-3.0
Aluminum and nonferrous metals.....	5,259	5,261	5,241	0.0	0.4	-1.3	5,320	5,309	5,139	5,935	-10.4
Ferrous metal foundries.....	2,128	2,113	2,025	0.7	4.3	-0.8	2,185	2,092	1,996	2,713	-19.5
Fabricated metal products.....	48,934	49,024	49,077	-0.2	-0.1	0.6	48,115	47,884	47,753	55,277	-13.0
Machinery.....	87,500	87,872	87,459	-0.4	0.5	0.1	87,963	86,791	87,066	95,815	-8.2
Construction machinery.....	7,707	7,882	8,078	-2.2	-2.4	-3.0	7,776	7,767	7,868	11,826	-34.2
Mining, oil field, and gas field machinery.....	5,095	4,883	4,839	4.3	0.9	-1.0	5,100	4,888	4,922	6,750	-24.4
Industrial machinery.....	11,519	11,380	11,150	1.2	2.1	1.9	11,680	10,960	11,060	13,849	-15.7
Photographic equipment.....	1,775	1,844	1,760	-3.7	4.8	0.3	1,780	1,777	1,745	1,928	-7.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	20,842	20,808	20,350	0.2	2.3	1.7	20,937	20,466	20,416	16,335	28.2
Metalworking machinery.....	6,632	6,750	6,602	-1.7	2.2	-1.7	6,626	6,607	6,561	7,686	-13.8
Turbines, generators, and other power transmission equipment.....	13,579	13,743	14,145	-1.2	-2.8	0.7	13,664	13,854	13,936	14,479	-5.6
Material handling equipment.....	7,544	7,619	7,825	-1.0	-2.6	-1.7	7,567	7,621	7,718	8,743	-13.5
Computers and electronic products ²	122,516	122,998	122,795	-0.4	0.2	-0.3	122,320	122,598	121,305	123,777	-1.2
Computers.....	4,198	4,707	4,508	-10.8	4.4	6.6	4,198	4,707	4,508	3,686	13.9
Nondefense communications equipment.....	29,634	29,465	29,135	0.6	1.1	0.1	29,213	29,051	28,823	28,066	4.1
Defense communications equipment.....	8,170	8,058	8,257	1.4	-2.4	-2.3	8,200	8,031	8,008	8,737	-6.1
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	11,394	11,190	10,932	1.8	2.4	3.7	11,246	10,979	10,897	10,036	12.1
Nondefense search and navigation equipment.....	7,449	7,640	7,715	-2.5	-1.0	-0.7	7,527	7,576	7,671	8,780	-14.3
Defense search and navigation equipment.....	35,090	35,411	35,951	-0.9	-1.5	-2.3	35,148	35,447	35,245	36,885	-4.7
Electromedical, measuring, and control instruments.....	26,581	26,527	26,297	0.2	0.9	0.0	26,788	26,807	26,153	27,587	-2.9
Electrical equipment, appliances, and components.....	20,363	20,207	20,383	0.8	-0.9	1.1	20,210	19,426	20,039	21,876	-7.6
Electric lighting equipment.....	1,996	2,029	2,118	-1.6	-4.2	4.2	1,876	1,861	2,008	2,029	-7.5
Household appliances.....	534	499	485	7.0	2.9	1.3	560	392	490	437	28.1
Electrical equipment.....	13,035	12,885	12,892	1.2	-0.1	0.5	12,920	12,537	12,909	14,085	-8.3
Transportation equipment.....	410,233	410,100	417,566	0.0	-1.8	-1.4	416,433	413,757	410,514	465,077	-10.5
Motor vehicle bodies, parts, and trailers.....	13,864	14,060	14,032	-1.4	0.2	-1.4	14,182	14,073	13,781	15,619	-9.2
Nondefense aircraft and parts.....	270,431	270,568	276,178	-0.1	-2.0	-1.1	274,306	274,331	272,631	305,640	-10.3
Defense aircraft and parts.....	46,427	45,471	45,350	2.1	0.3	-2.0	47,190	44,993	43,811	48,624	-2.9
Ships and boats.....	16,435	16,812	17,599	-2.2	-4.5	-3.6	17,003	16,630	16,809	22,756	-25.3
Furniture and related products.....	5,983	5,963	5,833	0.3	2.2	1.2	5,540	5,503	5,931	5,831	-5.0

NA Not Available ^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 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				
	Monthly			Percent Change			Monthly				Percent Change Jan. 10/09
	Jan. 2010 ^p	Dec. 2009 ^r	Nov. 2009	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2010 ^p	Dec. 2009 ^r	Nov. 2009	Jan. 2009	
All manufacturing industries.....	495,186	494,435	495,268	0.2	-0.2	0.2	492,757	481,578	496,716	534,056	-7.7
Excluding transportation.....	405,158	404,903	405,320	0.1	-0.1	0.3	403,549	395,979	405,787	440,008	-8.3
Excluding defense.....	468,596	468,142	468,856	0.1	-0.2	0.2	466,204	455,578	470,357	507,973	-8.2
With unfilled orders.....	244,930	244,369	244,858	0.2	-0.2	-0.1	245,077	237,849	246,487	273,106	-10.3
Durable goods industries.....	302,634	302,714	303,298	0.0	-0.2	-0.2	303,073	294,699	305,076	339,202	-10.7
Wood products.....	9,329	9,264	9,256	0.7	0.1	-0.5	9,498	9,217	9,266	10,484	-9.4
Nonmetallic mineral products.....	10,501	10,549	10,691	-0.5	-1.3	-2.0	10,544	10,318	10,368	11,977	-12.0
Primary metals.....	26,149	25,805	25,536	1.3	1.1	0.7	26,297	25,725	25,681	31,039	-15.3
Iron and steel mills.....	14,285	14,141	14,033	1.0	0.8	0.3	14,423	14,179	14,227	18,324	-21.3
Aluminum and nonferrous metals.....	9,731	9,526	9,356	2.2	1.8	1.7	9,689	9,404	9,298	9,967	-2.8
Ferrous metal foundries.....	2,133	2,138	2,147	-0.2	-0.4	-1.1	2,185	2,142	2,156	2,748	-20.5
Fabricated metal products.....	36,646	36,738	36,977	-0.3	-0.6	0.3	37,065	36,190	36,640	43,682	-15.1
Machinery.....	47,135	47,534	47,795	-0.8	-0.5	-0.5	47,457	46,223	48,101	55,431	-14.4
Farm machinery.....	2,603	2,680	2,713	-2.9	-1.2	-3.0	2,776	2,698	2,608	3,719	-25.4
Construction machinery.....	4,867	4,895	4,934	-0.6	-0.8	-0.2	4,826	4,759	4,934	5,560	-13.2
Mining, oil field, and gas field machinery.....	4,430	4,450	4,481	-0.4	-0.7	-0.2	4,407	4,258	4,437	4,764	-7.5
Industrial machinery.....	6,007	6,044	6,041	-0.6	0.0	-0.7	5,924	5,841	6,131	6,742	-12.1
Photographic equipment.....	1,460	1,461	1,478	-0.1	-1.2	-1.1	1,469	1,382	1,522	1,439	2.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,704	3,694	3,722	0.3	-0.8	1.1	3,681	3,439	3,738	4,538	-18.9
Metalworking machinery.....	4,090	4,182	4,202	-2.2	-0.5	-1.8	4,090	4,085	4,214	5,282	-22.6
Turbines, generators, and other power transmission equipment.....	5,036	5,053	5,122	-0.3	-1.3	0.7	5,128	4,868	5,355	6,607	-22.4
Material handling equipment.....	2,716	2,693	2,674	0.9	0.7	-0.7	2,757	2,632	2,692	3,280	-15.9
Computers and electronic products ²	42,925	43,402	42,885	-1.1	1.2	-0.1	43,056	42,549	43,723	47,104	-8.6
Computers.....	1,205	1,127	1,137	6.9	-0.9	2.0	1,139	1,105	1,179	1,081	5.4
Computer storage devices.....	1,219	1,218	1,144	0.1	6.5	-1.2	1,171	1,147	1,201	1,383	-15.3
Other peripheral equipment.....	1,862	1,853	1,828	0.5	1.4	-0.7	1,824	1,722	1,889	2,053	-11.2
Nondefense communications equipment.....	7,030	7,078	6,769	-0.7	4.6	-0.9	7,215	7,040	7,048	8,597	-16.1
Defense communications equipment.....	2,227	2,272	2,303	-2.0	-1.3	-0.4	2,227	2,272	2,303	1,820	22.4
Audio and video equipment.....	386	391	510	-1.3	-23.3	-17.3	393	396	580	848	-53.7
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	6,330	6,339	6,077	-0.1	4.3	1.6	6,412	6,155	6,192	6,547	-2.1
Nondefense search and navigation equipment.....	4,979	4,951	4,948	0.6	0.1	2.1	4,929	4,846	4,926	4,923	0.1
Defense search and navigation equipment.....	3,679	3,690	3,579	-0.3	3.1	-0.4	3,704	3,636	3,574	3,573	3.7
Electromedical, measuring and control instruments.....	10,334	10,126	10,230	2.1	-1.0	-0.6	10,370	9,916	10,438	11,095	-6.5
Electrical equipment, appliances, and components.....	12,102	12,022	12,143	0.7	-1.0	-0.5	12,208	11,683	12,043	14,271	-14.5
Electric lighting equipment.....	1,414	1,431	1,430	-1.2	0.1	-0.6	1,408	1,369	1,403	1,660	-15.2
Household appliances.....	1,983	1,975	1,908	0.4	3.5	-1.0	1,956	1,748	1,860	1,974	-0.9
Electrical equipment.....	3,769	3,823	3,836	-1.4	-0.3	0.1	3,949	3,912	3,850	4,900	-19.4
Batteries.....	653	652	638	0.2	2.2	-1.7	623	598	607	719	-13.4
Transportation equipment.....	90,028	89,532	89,948	0.6	-0.5	-0.3	89,208	85,599	90,929	94,048	-5.1
Automobiles.....	1,803	1,956	1,886	-7.8	3.7	4.5	1,974	1,759	1,893	2,270	-13.0
Light trucks and utility vehicles.....	1,838	1,675	1,596	9.7	4.9	1.7	1,747	1,477	1,687	1,938	-9.9
Heavy duty trucks.....	1,606	1,615	1,529	-0.6	5.6	4.1	1,568	1,550	1,547	1,555	0.8
Motor vehicle bodies, parts, and trailers.....	13,190	13,297	13,247	-0.8	0.4	0.1	13,373	13,013	13,289	15,165	-11.8
Nondefense aircraft and parts.....	45,418	44,988	45,233	1.0	-0.5	-0.5	44,499	42,422	46,103	46,184	-3.6
Defense aircraft and parts.....	15,770	15,330	15,620	2.9	-1.9	-1.7	15,640	15,084	15,530	15,329	2.0
Ships and boats.....	2,638	2,694	2,677	-2.1	0.6	0.8	2,689	2,692	2,694	2,934	-8.4
Furniture and related products.....	5,996	6,062	6,108	-1.1	-0.8	-0.6	6,001	5,934	6,142	7,424	-19.2
Miscellaneous durable goods.....	21,823	21,806	21,959	0.1	-0.7	-0.2	21,739	21,261	22,183	23,742	-8.4
Nondurable goods industries.....	192,552	191,721	191,970	0.4	-0.1	0.8	189,684	186,879	191,640	194,854	-2.7
Food products.....	36,028	36,106	35,865	-0.2	0.7	1.5	35,927	36,027	37,129	36,222	-0.8
Grain and oilseed milling.....	4,685	4,737	4,626	-1.1	2.4	3.7	4,817	4,832	4,773	4,593	4.9
Dairy products.....	4,477	4,409	4,340	1.5	1.6	1.5	4,379	4,079	4,158	4,369	0.2
Meat, poultry, and seafood products.....	7,148	7,142	7,134	0.1	0.1	2.2	7,047	7,001	7,311	7,135	-1.2
Beverage and tobacco products.....	15,286	15,453	15,500	-1.1	-0.3	-0.2	15,455	15,422	15,751	15,431	0.2
Beverages.....	11,245	11,374	11,428	-1.1	-0.5	-0.6	11,227	11,225	11,609	11,356	-1.1
Tobacco.....	4,041	4,079	4,072	-0.9	0.2	1.0	4,228	4,197	4,142	4,075	3.8
Textile mills.....	2,861	2,913	2,955	-1.8	-1.4	-1.8	2,902	2,936	2,975	3,582	-19.0
Textile products.....	2,648	2,689	2,677	-1.5	0.4	-0.1	2,676	2,634	2,667	3,014	-11.2
Apparel.....	3,518	3,476	3,507	1.2	-0.9	-1.6	3,498	3,287	3,344	4,185	-16.4
Leather and allied products.....	935	935	951	0.0	-1.7	-0.5	967	904	934	1,119	-13.6
Paper products.....	13,311	13,448	13,528	-1.0	-0.6	-0.1	13,361	13,373	13,574	14,822	-9.9
Pulp, paper, and paperboard mills.....	5,664	5,769	5,850	-1.8	-1.4	-1.0	5,701	5,800	5,881	6,417	-11.2
Paperboard containers.....	3,618	3,603	3,709	0.4	-2.9	0.1	3,671	3,603	3,664	4,263	-13.9
Printing.....	5,524	5,527	5,588	-0.1	-1.1	0.4	5,335	5,246	5,662	6,258	-14.7
Petroleum and coal products.....	31,898	31,173	30,025	2.3	3.8	5.4	29,020	28,477	28,544	23,535	23.3
Petroleum refineries.....	29,790	29,046	27,919	2.6	4.0	5.7	26,952	26,426	26,484	20,853	29.2
Chemical products.....	61,936	61,755	62,690	0.3	-1.5	-0.3	61,711	60,357	62,351	65,715	-6.1
Pesticides, fertilizers, and other agricultural chemicals.....	3,181	3,157	3,171	0.8	-0.4	1.5	3,456	3,344	3,235	3,626	-4.7
Pharmaceuticals and medicines.....	22,773	22,946	23,702	-0.8	-3.2	-1.9	22,279	21,940	23,591	24,678	-9.7
Paints, coatings, and adhesives.....	2,847	2,866	2,879	-0.7	-0.5	-0.6	2,869	2,713	2,758	3,101	-7.5
Plastics and rubber products.....	18,607	18,246	18,684	2.0	-2.3	-0.6	18,832	18,216	18,709	20,971	-10.2

NA Not Available ^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 Inventories for semiconductor industry data are included in computers and electronic products and total durable goods industries, 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						
	Monthly			Percent Change			Monthly			Year to date		Percent Change ⁶ 2010/ 2009	
	Jan. 2010 ^p	Dec. 2009 ^r	Nov. 2009	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2010 ^p	Dec. 2009 ^r	Nov. 2009	Jan. 2009	2010 ^p		2009
SHIPMENTS													
All manufacturing industries	383,722	382,727	376,048	0.3	1.8	1.6	348,657	378,709	366,265	332,396	348,657	332,396	4.9
Construction materials and supplies.....	37,515	37,227	37,812	0.8	-1.5	0.2	31,857	33,598	35,647	33,422	31,857	33,422	-4.7
Information technology.....	26,185	25,186	25,691	4.0	-2.0	0.5	22,135	29,405	25,589	20,382	22,135	20,382	8.6
Computers and related products	5,062	4,691	4,592	7.9	2.2	2.5	4,297	6,207	4,332	3,771	4,297	3,771	13.9
Motor vehicle and parts.....	25,375	25,704	24,539	-1.3	4.7	2.8	23,004	24,016	24,041	22,829	23,004	22,829	0.8
Capital goods.....	67,762	70,121	68,155	-3.4	2.9	0.6	58,846	77,027	66,194	59,502	58,846	59,502	-1.1
Nondefense capital goods ³	57,408	59,784	57,427	-4.0	4.1	1.1	50,249	66,269	55,019	52,230	50,249	52,230	-3.8
Excluding aircraft.....	53,879	54,783	53,547	-1.7	2.3	1.6	48,172	59,268	51,018	48,813	48,172	48,813	-1.3
Defense capital goods ⁴	10,354	10,337	10,728	0.2	-3.6	-2.1	8,597	10,758	11,175	7,272	8,597	7,272	18.2
Consumer goods.....	156,442	155,668	152,835	0.5	1.9	2.2	144,211	153,890	151,879	134,112	144,211	134,112	7.5
Consumer durable goods.....	21,967	22,087	21,665	-0.5	1.9	1.9	19,463	22,394	21,673	20,662	19,463	20,662	-5.8
Consumer nondurable goods.....	134,475	133,581	131,170	0.7	1.8	2.3	124,748	131,496	130,206	113,450	124,748	113,450	10.0
NEW ORDERS													
All manufacturing industries ⁵	378,446	372,285	366,688	1.7	1.5	1.0	347,975	379,399	354,363	319,884	347,975	319,884	8.8
Construction materials and supplies.....	37,540	37,683	38,682	-0.4	-2.6	1.6	32,331	33,601	35,836	32,465	32,331	32,465	-0.4
Information technology.....	25,434	25,121	24,986	1.2	0.5	0.3	21,811	30,652	23,945	20,131	21,811	20,131	8.3
Computers and related products	4,553	4,890	4,872	-6.9	0.4	7.7	3,788	6,406	4,612	3,367	3,788	3,367	12.5
Motor vehicle and parts.....	25,179	25,732	24,346	-2.1	5.7	0.8	23,113	24,308	23,896	22,799	23,113	22,799	1.4
Capital goods.....	66,572	63,332	62,093	5.1	2.0	-3.2	60,772	80,746	58,901	52,113	60,772	52,113	16.6
Nondefense capital goods ³	56,685	55,000	53,808	3.1	2.2	-3.0	51,002	67,700	51,198	44,279	51,002	44,279	15.2
Excluding aircraft.....	52,945	55,212	53,579	-4.1	3.0	3.2	48,925	59,098	50,017	45,574	48,925	45,574	7.4
Defense capital goods ⁴	9,887	8,332	8,285	18.7	0.6	-4.4	9,770	13,046	7,703	7,834	9,770	7,834	24.7
Consumer goods.....	156,669	155,990	153,145	0.4	1.9	2.4	144,685	153,932	152,186	134,162	144,685	134,162	7.8
Consumer durable goods.....	22,194	22,409	21,975	-1.0	2.0	3.1	19,937	22,436	21,980	20,712	19,937	20,712	-3.7
Consumer nondurable goods.....	134,475	133,581	131,170	0.7	1.8	2.3	124,748	131,496	130,206	113,450	124,748	113,450	10.0
UNFILLED ORDERS													
All manufacturing industries ⁵	717,761	717,672	724,054	0.0	-0.9	-0.7	722,748	716,834	712,984	790,987	(X)	(X)	-8.6
Construction materials and supplies.....	49,348	49,323	48,867	0.1	0.9	1.8	48,800	48,326	48,323	49,427	(X)	(X)	-1.3
Information technology.....	117,695	118,446	118,511	-0.6	-0.1	-0.6	117,708	118,032	116,785	120,994	(X)	(X)	-2.7
Computers and related products	4,198	4,707	4,508	-10.8	4.4	6.6	4,198	4,707	4,508	3,686	(X)	(X)	13.9
Motor vehicle and parts.....	13,864	14,060	14,032	-1.4	0.2	-1.4	14,182	14,073	13,781	15,619	(X)	(X)	-9.2
Capital goods.....	540,588	541,778	548,567	-0.2	-1.2	-1.1	545,807	543,881	540,162	606,546	(X)	(X)	-10.0
Nondefense capital goods ³	408,255	408,978	413,762	-0.2	-1.2	-0.9	411,594	410,841	409,410	460,319	(X)	(X)	-10.6
Excluding aircraft.....	173,394	174,328	173,899	-0.5	0.2	0.0	172,828	172,075	172,245	189,943	(X)	(X)	-9.0
Defense capital goods ⁴	132,333	132,800	134,805	-0.4	-1.5	-1.8	134,213	133,040	130,752	146,227	(X)	(X)	-8.2
Consumer goods.....	8,571	8,344	8,022	2.7	4.0	4.0	8,576	8,102	8,060	8,047	(X)	(X)	6.6
Consumer durable goods.....	8,571	8,344	8,022	2.7	4.0	4.0	8,576	8,102	8,060	8,047	(X)	(X)	6.6
TOTAL INVENTORIES													
All manufacturing industries	495,186	494,435	495,268	0.2	-0.2	0.2	492,757	481,578	496,716	534,056	(X)	(X)	-7.7
Construction materials and supplies.....	50,545	50,617	51,050	-0.1	-0.8	-0.2	51,081	49,600	50,468	59,521	(X)	(X)	-14.2
Information technology.....	39,012	38,661	38,617	0.9	0.1	-0.5	39,045	37,859	39,348	42,237	(X)	(X)	-7.6
Computers and related products	4,286	4,198	4,109	2.1	2.2	-0.1	4,134	3,974	4,269	4,517	(X)	(X)	-8.5
Motor vehicle and parts.....	18,437	18,543	18,258	-0.6	1.6	1.0	18,662	17,799	18,416	20,928	(X)	(X)	-10.8
Capital goods.....	152,376	151,378	152,505	0.7	-0.7	-0.2	151,686	146,729	154,406	165,247	(X)	(X)	-8.2
Nondefense capital goods ³	131,971	131,455	132,266	0.4	-0.6	-0.2	131,188	126,853	134,130	144,994	(X)	(X)	-9.5
Excluding aircraft.....	95,961	95,953	96,137	0.0	-0.2	-0.4	96,054	93,582	97,276	108,437	(X)	(X)	-11.4
Defense capital goods ⁴	20,405	19,923	20,239	2.4	-1.6	-0.4	20,498	19,876	20,276	20,253	(X)	(X)	1.2
Consumer goods.....	144,859	144,876	144,195	0.0	0.5	1.0	142,016	139,873	144,356	145,179	(X)	(X)	-2.2
Consumer durable goods.....	23,079	23,259	23,166	-0.8	0.4	-0.5	23,451	22,329	23,426	27,814	(X)	(X)	-15.7
Consumer nondurable goods.....	121,780	121,617	121,029	0.1	0.5	1.3	118,565	117,544	120,930	117,365	(X)	(X)	1.0

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. 10/09
	Jan. 2010 ^p	Dec. 2009 ^r	Nov. 2009	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2010 ^p	Dec. 2009 ^r	Nov. 2009	Jan. 2009	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	166,251	166,912	166,146	-0.4	0.5	0.3	166,746	165,708	166,122	183,052	-8.9
Durable goods industries.....	99,560	99,974	100,059	-0.4	-0.1	-1.1	100,317	99,637	100,860	116,165	-13.6
Wood products.....	3,651	3,634	3,614	0.5	0.6	-0.8	3,840	3,825	3,805	4,506	-14.8
Nonmetallic mineral products.....	4,345	4,318	4,324	0.6	-0.1	-2.7	4,329	4,286	4,287	4,697	-7.8
Primary metals.....	10,656	10,670	10,872	-0.1	-1.9	-2.0	10,756	10,880	11,051	14,509	-25.9
Fabricated metal products.....	13,202	13,413	13,394	-1.6	0.1	-1.0	13,565	13,639	13,360	16,772	-19.1
Machinery.....	18,250	18,559	18,907	-1.7	-1.8	-0.3	18,499	18,200	18,980	21,858	-15.4
Computers and electronic products.....	13,130	13,072	13,164	0.4	-0.7	-3.7	13,057	13,014	13,403	15,159	-13.9
Electrical equipment, appliances, and components.....	4,584	4,535	4,581	1.1	-1.0	-0.1	4,689	4,506	4,538	5,861	-20.0
Transportation equipment.....	21,414	21,417	20,881	0.0	2.6	-0.1	21,227	21,062	21,102	21,488	-1.2
Furniture and related products.....	3,034	3,066	3,020	-1.0	1.5	-0.3	3,050	3,044	3,020	3,569	-14.5
Miscellaneous products.....	7,294	7,290	7,302	0.1	-0.2	-0.2	7,305	7,181	7,314	7,746	-5.7
Nondurable goods industries.....	66,691	66,938	66,087	-0.4	1.3	2.4	66,429	66,071	65,262	66,887	-0.7
Food products.....	13,701	13,902	13,471	-1.4	3.2	1.7	13,997	13,990	13,658	13,670	2.4
Beverage and tobacco products.....	4,500	4,543	4,558	-0.9	-0.3	0.8	4,692	4,701	4,598	4,546	3.2
Textiles.....	924	922	923	0.2	-0.1	-2.0	934	930	921	1,074	-13.0
Textile products.....	1,008	1,023	1,029	-1.5	-0.6	-0.9	1,007	1,012	1,027	1,122	-10.2
Apparel.....	906	900	909	0.7	-1.0	-1.1	919	891	881	1,039	-11.5
Leather and allied products.....	348	352	356	-1.1	-1.1	-2.5	353	348	348	402	-12.2
Paper products.....	6,461	6,583	6,603	-1.9	-0.3	-0.8	6,528	6,638	6,651	7,340	-11.1
Printing.....	2,481	2,466	2,554	0.6	-3.4	2.0	2,433	2,399	2,560	2,965	-17.9
Petroleum and coal products.....	9,461	9,496	8,920	-0.4	6.5	9.3	8,453	8,667	8,135	6,853	23.3
Chemical products.....	19,381	19,386	19,125	0.0	1.4	2.7	19,490	19,061	18,859	19,441	0.3
Plastics and rubber products.....	7,520	7,365	7,639	2.1	-3.6	1.0	7,623	7,434	7,624	8,435	-9.6
WORK IN PROCESS											
All manufacturing industries.....	160,062	160,331	160,146	-0.2	0.1	0.7	159,035	154,844	161,961	165,801	-4.1
Durable goods industries.....	122,104	121,716	121,704	0.3	0.0	0.6	121,797	117,196	122,937	129,094	-5.7
Wood products.....	1,709	1,673	1,660	2.2	0.8	-2.0	1,693	1,638	1,666	1,787	-5.3
Nonmetallic mineral products.....	1,279	1,271	1,321	0.6	-3.8	-2.0	1,283	1,190	1,234	1,440	-10.9
Primary metals.....	8,032	7,667	7,429	4.8	3.2	1.9	7,890	7,267	7,512	8,430	-6.4
Fabricated metal products.....	11,667	11,558	11,833	0.9	-2.3	2.3	11,749	11,275	11,811	13,178	-10.8
Machinery.....	13,563	13,566	13,387	0.0	1.3	-0.9	13,367	12,914	13,700	15,432	-13.4
Computers and electronic products.....	21,193	21,614	20,956	-1.9	3.1	2.5	21,415	21,084	21,360	22,067	-3.0
Electrical equipment, appliances, and components.....	2,482	2,392	2,487	3.8	-3.8	-0.3	2,475	2,331	2,497	2,874	-13.9
Transportation equipment.....	57,958	57,711	58,435	0.4	-1.2	-0.1	57,749	55,391	58,933	59,246	-2.5
Furniture and related products.....	1,030	1,061	1,085	-2.9	-2.2	0.9	1,035	1,053	1,085	1,278	-19.0
Miscellaneous products.....	3,191	3,203	3,111	-0.4	3.0	2.2	3,141	3,053	3,139	3,362	-6.6
Nondurable goods industries.....	37,958	38,615	38,442	-1.7	0.5	1.0	37,238	37,648	39,024	36,707	1.4
Food products.....	2,331	2,399	2,385	-2.8	0.6	3.7	2,476	2,681	2,897	2,392	3.5
Beverage and tobacco products.....	4,451	4,497	4,502	-1.0	-0.1	-0.6	4,644	4,787	4,822	4,519	2.8
Textiles.....	645	662	675	-2.6	-1.9	1.0	652	648	685	779	-16.3
Textile products.....	332	342	337	-2.9	1.5	1.8	331	326	340	366	-9.6
Apparel.....	521	513	527	1.6	-2.7	-0.2	519	485	519	594	-12.6
Leather and allied products.....	90	89	86	1.1	3.5	1.2	101	85	83	98	3.1
Paper products.....	1,257	1,253	1,259	0.3	-0.5	1.0	1,257	1,248	1,248	1,370	-8.2
Printing.....	1,455	1,450	1,419	0.3	2.2	-1.5	1,382	1,336	1,493	1,484	-6.9
Petroleum and coal products.....	9,967	9,854	9,418	1.1	4.6	5.6	9,149	9,094	9,038	6,811	34.3
Chemical products.....	14,646	15,347	15,611	-4.6	-1.7	-0.9	14,423	14,775	15,681	15,893	-9.2
Plastics and rubber products.....	2,263	2,209	2,223	2.4	-0.6	-1.7	2,304	2,183	2,218	2,401	-4.0
FINISHED GOODS											
All manufacturing industries.....	168,873	167,192	168,976	1.0	-1.1	-0.4	166,976	161,026	168,633	185,203	-9.8
Durable goods industries.....	80,970	81,024	81,535	-0.1	-0.6	-0.4	80,959	77,866	81,279	93,943	-13.8
Wood products.....	3,969	3,957	3,982	0.3	-0.6	0.4	3,965	3,754	3,795	4,191	-5.4
Nonmetallic mineral products.....	4,877	4,960	5,046	-1.7	-1.7	-1.3	4,932	4,842	4,847	5,840	-15.5
Primary metals.....	7,461	7,468	7,235	-0.1	3.2	3.6	7,651	7,578	7,118	8,100	-5.5
Fabricated metal products.....	11,777	11,767	11,750	0.1	0.1	-0.3	11,751	11,276	11,469	13,732	-14.4
Machinery.....	15,322	15,409	15,501	-0.6	-0.6	-0.3	15,591	15,109	15,421	18,141	-14.1
Computers and electronic products.....	8,602	8,716	8,765	-1.3	-0.6	-0.7	8,584	8,451	8,960	9,878	-13.1
Electrical equipment, appliances, and components.....	5,036	5,095	5,075	-1.2	0.4	-0.9	5,044	4,846	5,008	5,536	-8.9
Transportation equipment.....	10,656	10,404	10,632	2.4	-2.1	-2.1	10,232	9,146	10,894	13,314	-23.1
Furniture and related products.....	1,932	1,935	2,003	-0.2	-3.4	-2.0	1,916	1,837	2,037	2,577	-25.6
Miscellaneous products.....	11,338	11,313	11,546	0.2	-2.0	-0.9	11,293	11,027	11,730	12,634	-10.6
Nondurable goods industries.....	87,903	86,168	87,441	2.0	-1.5	-0.4	86,017	83,160	87,354	91,260	-5.7
Food products.....	19,996	19,805	20,009	1.0	-1.0	1.0	19,454	19,356	20,574	20,160	-3.5
Beverage and tobacco products.....	6,335	6,413	6,440	-1.2	-0.4	-0.6	6,119	5,934	6,331	6,366	-3.9
Textiles.....	1,292	1,329	1,357	-2.8	-2.1	-3.0	1,316	1,358	1,369	1,729	-23.9
Textile products.....	1,308	1,324	1,311	-1.2	1.0	0.1	1,338	1,296	1,300	1,526	-12.3
Apparel.....	2,091	2,063	2,071	1.4	-0.4	-2.2	2,060	1,911	1,944	2,552	-19.3
Leather and allied products.....	497	494	509	0.6	-2.9	0.6	513	471	503	619	-17.1
Paper products.....	5,593	5,612	5,666	-0.3	-1.0	0.4	5,576	5,487	5,675	6,112	-8.8
Printing.....	1,588	1,611	1,615	-1.4	-0.2	-0.3	1,520	1,511	1,609	1,809	-16.0
Petroleum and coal products.....	12,470	11,823	11,687	5.5	1.2	2.4	11,418	10,716	11,371	9,871	15.7
Chemical products.....	27,909	27,022	27,954	3.3	-3.3	-1.9	27,798	26,521	27,811	30,381	-8.5
Plastics and rubber products.....	8,824	8,672	8,822	1.8	-1.7	-1.7	8,905	8,599	8,867	10,135	-12.1

^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 2010 ^P	Dec 2009 ^r	Nov 2009	Oct 2009	Jan 2010 ^P	Dec 2009 ^r	Nov 2009	Oct 2009
All manufacturing industries ²	1.29	1.29	1.32	1.34	(X)	(X)	(X)	(X)
Durable goods industries ²	1.68	1.67	1.72	1.73	5.54	5.44	5.65	5.75
Wood products.....	1.25	1.25	1.22	1.22	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.41	1.42	1.44	1.50	(X)	(X)	(X)	(X)
Primary metals.....	1.58	1.58	1.68	1.74	0.98	0.95	1.00	1.05
Fabricated metal products.....	1.53	1.53	1.53	1.53	2.13	2.12	2.11	2.10
Machinery.....	2.09	1.98	2.10	2.17	4.44	4.12	4.36	4.49
Computers and electronic products ²	1.34	1.46	1.42	1.41	5.21	5.41	5.31	5.36
Electrical equipment, appliances, and components.....	1.44	1.40	1.42	1.46	2.64	2.55	2.61	2.68
Transportation equipment.....	2.03	1.94	2.05	2.06	12.22	11.73	12.52	12.62
Furniture and related products.....	1.20	1.20	1.22	1.23	1.40	1.38	1.36	1.34
Miscellaneous products.....	1.77	1.80	1.83	1.81	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.95	0.95	0.96	0.98	(X)	(X)	(X)	(X)
Food products.....	0.70	0.71	0.71	0.70	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.39	1.37	1.41	1.39	(X)	(X)	(X)	(X)
Textiles.....	1.21	1.24	1.25	1.31	(X)	(X)	(X)	(X)
Textile products.....	1.48	1.48	1.51	1.54	(X)	(X)	(X)	(X)
Apparel.....	1.63	1.60	1.63	1.66	(X)	(X)	(X)	(X)
Leather and allied products.....	2.38	2.36	2.35	2.37	(X)	(X)	(X)	(X)
Paper products.....	1.03	1.03	1.05	1.06	(X)	(X)	(X)	(X)
Printing.....	0.77	0.77	0.78	0.79	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.70	0.70	0.69	0.70	(X)	(X)	(X)	(X)
Chemical products.....	1.18	1.18	1.21	1.23	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.18	1.15	1.19	1.22	(X)	(X)	(X)	(X)

X Not Applicable ^P Preliminary ^r 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 2010	Jan ² 2009- Dec 2009	Jan ¹ 2010	Jan ² 2009- Dec 2009	Jan ¹ 2010	Jan ² 2009- Dec 2009	Jan ¹ 2010	Jan ² 2009- Dec 2009
	2010	2009	2010	2009	2010	2009	2010	2009
All manufacturing industries.....	(X)	0.4	(X)	0.6	(X)	0.1	(X)	0.2
Durable goods industries.....	-0.2	0.5	-0.4	1.0	-0.1	0.1	0.0	0.2
Wood products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Nonmetallic mineral products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Primary metals.....	0.0	0.9	0.2	1.8	0.2	0.7	0.0	0.4
Fabricated metal products.....	-0.6	0.6	-0.5	1.2	0.0	0.3	-0.1	0.3
Machinery.....	0.1	0.7	0.5	2.3	0.0	0.4	-0.1	0.4
Computers and electronic products.....	-0.2	1.1	-2.8	1.3	-0.4	0.2	0.1	0.3
Electrical equipment, appliances, and components.....	-0.6	0.6	0.2	1.2	0.0	0.4	0.0	0.5
Transportation equipment.....	-0.4	0.6	-0.6	0.9	0.0	0.1	0.1	0.2
Furniture and related products.....	(X)	0.5	(X)	1.4	(X)	0.9	(X)	0.4
Miscellaneous products.....	(X)	0.5	(X)	0.6	(X)	0.5	(X)	0.2
Nondurable goods industries.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.4
Textiles.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.8
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	1.9	(X)	(NA)	(X)	(NA)	(X)	1.3
Paper products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Printing.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	1.1
Petroleum and coal products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	1.4
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.5

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 14, 2010. These revisions reflect:

- benchmarking the shipments and inventory data to the 2007 Economic Census and the 2008 Annual Survey of Manufactures (ASM) data;
- adjusting new orders and order backlog to be consistent with the benchmarked shipments and inventory 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.

As of the Benchmark release, shipments for the semiconductor industry will no longer be shown separately, but will be included in the computers and electronic products, and all other applicable aggregate totals. An accompanying press release will include the revised 2010 January through March data. Please call Chris Savage on (301)763-4832 with any questions.