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

Summary

New orders for manufactured goods in March, up eleven of the last twelve months, increased \$5.0 billion or 1.3 percent to \$391.5 billion, the U.S. Census Bureau reported today. This followed a 1.3 percent February increase. Excluding transportation, new orders increased 3.1 percent.

Shipments, up seven consecutive months, increased \$8.6 billion or 2.2 percent to \$395.6 billion. This followed a 0.4 percent February increase.

Unfilled orders, down following two consecutive monthly increases, decreased \$0.8 billion or 0.1 percent to \$721.7 billion. This followed a 0.5 percent February increase. The unfilled orders-to-shipments ratio was 5.40, down from 5.52 in February.

Inventories, up five of the last six months, increased \$1.5 billion or 0.3 percent to \$500.7 billion. This followed a 0.7 percent February increase. The inventories-to-shipments ratio was 1.27, down from 1.29 in February.

New Orders

New orders for manufactured durable goods in March, down following three consecutive monthly increases, decreased \$1.0 billion or 0.6 percent to \$178.7 billion, revised from the previously published 1.3 percent decrease. This followed a 1.6 percent February increase.

Transportation, down two consecutive months, had the largest decrease, \$5.7 billion or 12.3 percent to \$40.5 billion.

New orders for manufactured nondurable goods increased \$6.0 billion or 2.9 percent to \$212.8 billion.

Shipments

Shipments of manufactured durable goods in March, up following two consecutive monthly decreases, increased \$2.6 billion or 1.4 percent to \$182.8 billion, revised from the previously published 1.2 percent increase. This followed a 0.3 percent February decrease.

Machinery, up four of the last five months, had the largest increase, \$1.1 billion or 4.8 percent to \$24.3 billion.

Shipments of manufactured nondurable goods, up eleven of the last twelve months, increased \$6.0 billion or 2.9 percent to \$212.8 billion. This followed a 1.1 percent February increase. Petroleum and coal products, up eight consecutive months, led the increase, up \$3.1 billion or 6.7 percent to \$49.2 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in March, down following two consecutive monthly increases, decreased \$0.8 billion or 0.1 percent to \$721.7 billion, revised from the previously published 0.3 percent decrease. This followed a 0.5 percent February increase.

Transportation equipment, also down following two consecutive monthly increases, had the largest decrease, \$4.1 billion or 1.0 percent to \$409.3 billion.

Inventories

Inventories of manufactured durable goods in March, up three consecutive months, increased \$1.0 billion or 0.3 percent to \$305.2 billion, revised from the previously published 0.2 percent increase. This followed a 0.4 percent February increase.

Primary metals, up five consecutive months, had the largest increase, \$0.5 billion or 1.8 percent to \$27.1 billion.

Inventories of manufactured nondurable goods, up five of the last six months, increased \$0.5 billion or 0.3 percent to \$195.5 billion. This followed a 1.1 percent February increase. Chemical products drove the increase, up \$0.8 billion or 1.4 percent to \$62.9 billion.

By stage of fabrication, March materials and supplies increased 0.1 percent in durable goods and 0.5 percent in nondurable goods. Work in process increased 0.4 percent in durable goods and 0.5 percent in nondurable goods. Finished goods increased 0.5 percent in durable goods and decreased slightly 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 April is scheduled for release on May 26, 2010, at 8:30 a.m. EDT and the full report on June 3, 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		
	Mar. 2010 ^p	Feb. 2010 ^r	Jan. 2010	Feb. - Mar.	Jan. - Feb.	Dec. - Jan.	Mar. 2010 ^p	Feb. 2010 ^r	Jan. 2010	Mar. 2009	2010 ^p	2009	Percent 2010/2009
All manufacturing industries.....	395,587	386,968	385,325	2.2	0.4	0.7	413,753	356,306	349,601	370,878	1,119,660	1,039,474	7.7
Excluding transportation.....	350,976	343,036	339,987	2.3	0.9	1.0	363,681	314,083	310,967	320,879	988,731	909,322	8.7
Excluding defense.....	381,832	373,056	370,557	2.4	0.7	0.3	398,926	342,996	337,486	356,481	1,079,408	1,002,941	7.6
With unfilled orders.....	133,695	130,852	130,388	2.2	0.4	-1.2	145,620	121,901	114,832	136,574	382,353	368,954	3.6
Durable goods industries.....	182,800	180,220	180,817	1.4	-0.3	-0.1	197,548	167,542	160,722	186,624	525,812	509,269	3.2
Wood products.....	7,630	7,470	7,464	2.1	0.1	0.7	7,590	6,727	6,207	7,121	20,524	20,155	1.8
Nonmetallic mineral products.....	7,685	7,387	7,404	4.0	-0.2	-0.6	7,634	6,301	6,221	7,352	20,156	20,707	-2.7
Primary metals.....	17,900	16,995	16,460	5.3	3.3	0.6	18,636	15,865	15,403	13,638	49,904	40,352	23.7
Iron and steel mills.....	8,315	7,717	7,253	7.7	6.4	7.0	8,414	7,032	6,631	5,525	22,077	17,014	29.8
Aluminum and nonferrous metals.....	8,238	8,002	7,949	2.9	0.7	-3.8	8,743	7,658	7,613	6,699	24,014	19,402	23.8
Ferrous metal foundries.....	1,347	1,276	1,258	5.6	1.4	-4.9	1,479	1,175	1,159	1,414	3,813	3,936	-3.1
Fabricated metal products.....	24,655	24,540	23,996	0.5	2.3	0.1	25,777	22,662	21,645	25,130	70,084	70,824	-1.0
Machinery.....	24,251	23,136	22,486	4.8	2.9	-6.4	26,977	21,991	20,291	25,705	69,259	71,003	-2.5
Farm machinery.....	2,218	2,354	2,290	-5.8	2.8	7.4	2,786	2,588	2,054	2,955	7,428	7,983	-7.0
Construction machinery.....	1,614	1,481	1,527	9.0	-3.0	0.7	1,861	1,385	1,366	1,727	4,612	5,053	-8.7
Mining, oil field, and gas field machinery.....	1,437	1,355	1,348	6.1	0.5	3.9	1,575	1,272	1,294	1,548	4,141	4,549	-9.0
Industrial machinery.....	2,742	2,695	2,181	1.7	23.6	-4.0	3,024	2,388	2,111	2,278	7,523	6,736	11.7
Photographic equipment.....	603	598	588	0.8	1.7	-0.7	624	508	464	521	1,596	1,488	7.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,069	3,005	3,276	2.1	-8.3	-1.2	3,169	2,437	2,610	3,393	8,216	8,759	-6.2
Metalworking machinery.....	1,676	1,618	1,569	3.6	3.1	-4.2	1,906	1,550	1,479	1,913	4,935	5,435	-9.2
Turbines, generators, and other power transmission equipment.....	3,394	2,533	2,416	34.0	4.8	-36.3	3,592	2,536	2,336	3,397	8,464	9,271	-8.7
Material handling equipment.....	1,630	1,645	1,559	-0.9	5.5	-5.1	1,829	1,617	1,422	1,701	4,868	4,866	0.0
Computers and electronic products.....	29,777	30,607	31,819	-2.7	-3.8	7.2	32,886	27,141	29,082	30,697	89,109	80,716	10.4
Computers.....	2,896	2,726	2,771	6.2	-1.6	1.0	3,141	2,421	2,716	2,590	8,278	7,662	8.0
Computer storage devices.....	600	741	827	-19.0	-10.4	42.8	914	511	555	893	1,980	1,531	29.3
Other peripheral equipment.....	1,319	1,191	1,281	10.7	-7.0	-6.4	1,713	911	881	1,644	3,505	3,525	-0.6
Nondefense communications equipment.....	4,434	4,190	4,240	5.8	-1.2	1.4	5,302	3,389	3,228	4,841	11,919	11,185	6.6
Defense communications equipment.....	666	669	650	-0.4	2.9	-0.8	706	670	605	733	1,981	2,265	-12.5
Audio and video equipment.....	573	591	580	-3.0	1.9	1.2	545	512	500	502	1,557	1,346	15.7
Semiconductors.....	3,280	4,117	5,188	-20.3	-20.6	27.8	2,489	3,497	6,507	2,400	12,493	9,757	28.0
Electronic components.....	3,660	3,698	3,706	-1.0	-0.2	4.7	4,092	3,439	3,292	3,658	10,823	9,648	12.2
Nondefense search and navigation equipment.....	916	875	865	4.7	1.2	5.1	1,055	838	744	1,012	2,637	2,626	0.4
Defense search and navigation equipment.....	2,817	2,826	2,924	-0.3	-3.4	1.5	3,019	2,781	2,385	2,925	8,185	7,699	6.3
Electromedical, measuring, and control instruments.....	8,220	8,583	8,394	-4.2	2.3	6.4	9,513	7,817	7,323	9,028	24,653	22,166	11.2
Electrical equipment, appliances, and components.....	8,747	8,608	8,456	1.6	1.8	-1.9	9,327	7,920	7,437	8,878	24,684	24,653	0.1
Electric lighting equipment.....	980	994	1,030	-1.4	-3.5	-1.3	1,033	956	894	1,052	2,883	2,853	1.1
Household appliances.....	1,723	1,709	1,703	0.8	0.4	1.7	1,887	1,491	1,371	1,813	4,749	4,680	1.5
Electrical equipment.....	2,688	2,603	2,463	3.3	5.7	-9.1	3,022	2,509	2,251	2,921	7,782	8,111	-4.1
Batteries.....	816	810	746	0.7	8.6	8.7	765	668	644	629	2,077	1,849	12.3
Transportation equipment.....	44,611	43,932	45,338	1.5	-3.1	-1.9	50,072	42,223	38,634	49,999	130,929	130,152	0.6
Automobiles.....	5,151	4,969	5,066	3.7	-1.9	-5.1	5,731	4,926	4,710	4,795	15,367	13,525	13.6
Light trucks and utility vehicles.....	4,468	4,364	4,390	2.4	-0.6	-3.1	5,089	4,221	3,752	6,526	13,062	17,294	-24.5
Heavy duty trucks.....	1,441	1,380	1,371	4.4	0.7	-1.5	1,577	1,344	1,285	1,200	4,206	3,438	22.3
Motor vehicle bodies, parts, and trailers.....	14,608	14,294	14,516	2.2	-1.5	0.5	16,323	14,187	13,281	14,266	43,791	39,660	10.4
Nondefense aircraft and parts.....	6,831	6,578	6,812	3.8	-3.4	-22.1	8,216	5,955	5,025	9,530	19,196	23,276	-17.5
Defense aircraft and parts.....	5,954	5,905	6,237	0.8	-5.3	7.9	6,421	5,448	4,897	6,051	16,766	14,434	16.2
Ships and boats.....	2,150	1,964	2,009	9.5	-2.2	9.8	2,298	1,963	1,727	1,891	5,988	5,688	5.3
Furniture and related products.....	5,166	5,112	5,019	1.1	1.9	-0.5	5,219	5,056	4,642	5,236	14,917	15,383	-3.0
Miscellaneous durable goods.....	12,378	12,433	12,375	-0.4	0.5	2.2	13,430	11,656	11,160	12,868	36,246	35,324	2.6
Nondurable goods industries.....	212,787	206,748	204,508	2.9	1.1	1.3	216,205	188,764	188,879	184,254	593,848	530,205	12.0
Food products.....	52,541	52,184	51,528	0.7	1.3	1.6	53,559	49,756	49,229	50,345	152,544	145,826	4.6
Grain and oilseed milling.....	6,248	6,171	6,399	1.2	-3.6	4.6	6,447	5,777	6,136	5,947	18,360	16,870	8.8
Dairy products.....	6,664	6,605	6,389	0.9	3.4	0.7	6,698	6,015	6,237	6,221	18,950	18,036	5.1
Meat, poultry, and seafood products.....	15,814	15,520	15,170	1.9	2.3	1.6	15,851	15,160	14,613	14,276	45,624	42,745	6.7
Beverage and tobacco products.....	11,520	10,770	11,027	7.0	-2.3	-1.9	11,597	10,014	10,134	10,813	31,745	31,981	-0.7
Beverages.....	7,813	7,650	7,664	2.1	-0.2	0.3	7,890	6,894	6,771	7,590	21,555	21,657	-0.5
Tobacco.....	3,707	3,120	3,363	18.8	-7.2	-6.7	3,707	3,120	3,363	3,223	10,190	10,324	-1.3
Textile mills.....	2,494	2,447	2,423	1.9	1.0	3.3	2,566	2,389	2,311	2,249	7,266	6,534	11.2
Textile products.....	1,861	1,827	1,834	1.9	-0.4	0.8	1,889	1,753	1,674	1,828	5,316	5,292	0.5
Apparel.....	2,184	2,147	2,140	1.7	0.3	-1.7	2,193	2,124	1,884	2,172	6,201	6,495	-4.5
Leather and allied products.....	393	407	396	-3.4	2.8	0.0	415	435	326	445	1,176	1,239	-5.1
Paper products.....	13,618	13,268	13,107	2.6	1.2	0.4	14,016	12,477	12,763	13,113	39,256	38,448	2.1
Pulp, paper, and paperboard mills.....	6,564	6,343	6,342	3.5	0.0	0.5	6,738	5,970	6,269	6,211	18,977	18,432	3.0
Paperboard containers.....	3,690	3,577	3,440	3.2	4.0	0.7	3,826	3,319	3,314	3,591	10,459	10,376	0.8
Printing.....	7,167	7,159	7,171	0.1	-0.2	-0.6	7,386	6,563	6,719	7,726	20,668	21,921	-5.7
Petroleum and coal products.....	49,239	46,157	45,935	6.7	0.5	3.0	45,872	37,870	40,289	27,568	124,031	82,355	50.6
Petroleum refineries.....	46,118	42,885	42,976	7.5	-0.2	1.9	42,914	35,257	37,997	24,945	116,168	74,801	55.3
Chemical products.....	55,457	54,309	53,191	2.1	2.1	1.4	59,816	50,705	49,195	52,732	159,716	146,882	8.7
Pesticides, fertilizers, and other agricultural chemicals.....	4,154	4,034	3,830	3.0	5.3	8.8	6,065	3,915	2,939	4,120	12,919	9,502	36.0
Pharmaceuticals and medicines.....	13,971	13,917	13,803	0.4	0.8	-1.6	14,697	12,918	13,116	15,012	40,731	42,646	-4.5
Paints, coatings, and adhesives.....	2,633	2,496	2,438	5.5	2.4	1.2	2,787	2,281	2,081	2,534	7,149	7,013	1.9
Plastics and rubber products.....	16,313	16,073	15,756	1.5	2.0	-0.3	16,896	14,678	14,355	15,263	45,929	43,232	6.2

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.

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		
	Mar. 2010 ^p	Feb. 2010 ^f	Jan. 2010	Feb. - Mar.	Jan. - Feb.	Dec. - Jan.	Mar. 2010 ^p	Feb. 2010 ^f	Jan. 2010	Mar. 2009	2010 ^p	2009	Percent 2010/2009
All manufacturing industries ²	391,459	386,426	381,425	1.3	1.3	2.5	413,767	357,203	349,447	358,386	1,120,417	999,281	12.1
Excluding transportation ²	350,920	340,213	335,123	3.1	1.5	0.5	366,444	313,760	308,045	314,347	988,249	886,201	11.5
Excluding defense ²	377,782	372,831	366,216	1.3	1.8	1.5	396,675	344,363	334,665	342,727	1,075,703	962,184	11.8
With unfilled orders ²	132,847	134,427	131,676	-1.2	2.1	4.9	148,123	126,295	121,185	126,482	395,603	338,518	16.9
Durable goods industries ²	178,672	179,678	176,917	-0.6	1.6	3.8	197,562	168,439	160,568	174,132	526,569	469,076	12.3
Primary metals.....	18,259	17,437	17,136	4.7	1.8	2.5	18,917	16,704	16,559	12,368	52,180	37,156	40.4
Iron and steel mills.....	8,447	7,993	7,878	5.7	1.5	12.1	8,377	7,716	7,637	4,575	23,730	14,998	58.2
Aluminum and nonferrous metals.....	8,429	8,127	7,981	3.7	1.8	-3.7	9,056	7,752	7,669	6,500	24,477	18,647	31.3
Ferrous metal foundries.....	1,383	1,317	1,277	5.0	3.1	-9.5	1,484	1,236	1,253	1,293	3,973	3,511	13.2
Fabricated metal products.....	24,882	24,964	24,053	-0.3	3.8	0.5	27,084	23,618	21,965	24,167	72,667	67,183	8.2
Machinery.....	25,941	23,885	22,021	8.6	8.5	-9.9	28,919	22,394	21,405	23,118	72,718	64,319	13.1
Construction machinery.....	1,757	1,372	1,314	28.1	4.4	-0.5	2,138	1,270	1,384	735	4,792	2,741	74.8
Mining, oil field, and gas field machinery.....	1,352	1,212	1,279	11.6	-5.2	-4.7	1,439	1,128	1,235	1,233	3,802	3,481	9.2
Industrial machinery.....	3,147	2,511	2,291	25.3	9.6	-8.5	3,324	2,215	2,840	1,210	8,379	4,923	70.2
Photographic equipment.....	590	627	524	-5.9	19.7	-22.5	617	556	467	508	1,640	1,560	5.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,187	3,752	3,403	11.6	10.3	-9.8	4,452	2,492	3,133	3,886	10,077	9,574	5.3
Metalworking machinery.....	1,660	1,576	1,493	5.3	5.6	-16.4	1,833	1,599	1,541	1,623	4,973	4,755	4.6
Turbines, generators, and other power transmission equipment.....	3,080	2,387	2,146	29.0	11.2	-36.7	3,258	2,449	2,043	3,357	7,750	8,725	-11.2
Material handling equipment.....	1,816	1,760	1,542	3.2	14.1	7.4	2,079	1,875	1,405	1,544	5,359	4,129	29.8
Computers and electronic products ²	26,853	25,729	26,078	4.4	-1.3	0.9	31,395	23,708	22,314	29,178	77,417	71,700	8.0
Computers.....	3,242	2,642	2,262	22.7	16.8	-23.1	3,487	2,337	2,207	2,511	8,031	7,182	11.8
Nondefense communications equipment.....	3,927	3,778	4,334	3.9	-12.8	-3.9	4,363	3,752	3,272	4,779	11,387	11,296	0.8
Defense communications equipment.....	808	771	783	4.8	-1.5	71.7	1,254	676	771	1,002	2,701	2,927	-7.7
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	3,911	3,918	3,889	-0.2	0.7	2.4	4,316	3,824	3,580	3,542	11,720	9,480	23.6
Nondefense search and navigation equipment.....	889	873	668	1.8	30.7	-10.7	1,072	838	682	1,169	2,592	2,526	2.6
Defense search and navigation equipment.....	2,680	2,313	2,596	15.9	-10.9	10.8	3,345	2,411	2,148	3,581	7,904	8,930	-11.5
Electromedical, measuring, and control instruments.....	8,508	8,511	8,465	0.0	0.5	4.2	9,989	7,581	7,372	9,084	24,942	21,651	15.2
Electrical equipment, appliances, and components.....	9,289	8,675	8,718	7.1	-0.5	3.3	9,725	8,367	8,352	8,356	26,444	24,305	8.8
Electric lighting equipment.....	1,058	867	937	22.0	-7.5	-1.9	1,148	864	877	1,114	2,889	2,951	-2.1
Household appliances.....	1,737	1,689	1,741	2.8	-3.0	3.1	1,849	1,524	1,543	1,763	4,916	4,797	2.5
Electrical equipment.....	3,033	2,736	2,729	10.9	0.3	0.9	3,260	2,807	2,749	2,428	8,816	7,233	21.9
Transportation equipment.....	40,539	46,213	46,302	-12.3	-0.2	19.4	47,323	43,443	41,402	44,039	132,168	113,080	16.9
Motor vehicle bodies, parts, and trailers.....	14,537	14,156	14,318	2.7	-1.1	-1.0	15,959	14,086	13,431	13,802	43,476	39,172	11.0
Nondefense aircraft and parts.....	3,229	9,770	7,357	-66.9	32.8	134.9	5,051	8,196	4,954	5,465	18,201	10,590	71.9
Defense aircraft and parts.....	5,732	5,560	6,927	3.1	-19.7	17.3	6,686	5,233	6,793	6,566	18,712	15,239	22.8
Ships and boats.....	1,921	2,179	1,697	-11.8	28.4	62.9	2,019	2,357	2,096	1,197	6,472	4,118	57.2
Furniture and related products.....	5,189	5,254	5,110	-1.2	2.8	-1.3	5,518	5,290	4,727	5,613	15,535	15,784	-1.6
Non durable goods industries.....	212,787	206,748	204,508	2.9	1.1	1.3	216,205	188,764	188,879	184,254	593,848	530,205	12.0

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 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 Mar. 10/09
	Mar. 2010 ^p	Feb. 2010 ^r	Jan. 2010	Feb. - Mar.	Jan. - Feb.	Dec. - Jan.	Mar. 2010 ^p	Feb. 2010 ^r	Jan. 2010	Mar. 2009	
All manufacturing industries ²	721,687	722,535	718,960	-0.1	0.5	0.2	730,084	727,581	723,187	768,317	-5.0
Excluding transportation ²	312,414	309,190	307,896	1.0	0.4	0.1	315,088	309,836	306,662	317,554	-0.8
Excluding defense ²	573,171	573,941	570,049	-0.1	0.7	0.1	577,280	577,042	572,178	605,197	-4.6
Durable goods industries ²	721,687	722,535	718,960	-0.1	0.5	0.2	730,084	727,581	723,187	768,317	-5.0
Primary metals.....	17,085	16,726	16,284	2.1	2.7	4.3	17,251	16,970	16,131	15,131	14.0
Iron and steel mills.....	9,267	9,135	8,859	1.4	3.1	7.6	9,227	9,264	8,580	7,332	25.8
Aluminum and nonferrous metals.....	5,609	5,418	5,293	3.5	2.4	0.6	5,772	5,459	5,365	5,473	5.5
Ferrous metal foundries.....	2,209	2,173	2,132	1.7	1.9	0.9	2,252	2,247	2,186	2,326	-3.2
Fabricated metal products.....	49,732	49,505	49,081	0.5	0.9	0.1	50,467	49,160	48,204	53,094	-4.9
Machinery.....	89,846	88,156	87,407	1.9	0.9	-0.5	90,250	88,308	87,905	91,227	-1.1
Construction machinery.....	7,703	7,560	7,669	1.9	-1.4	-2.7	7,947	7,670	7,785	10,220	-22.2
Mining, oil field, and gas field machinery.....	4,586	4,671	4,814	-1.8	-3.0	-1.4	4,549	4,685	4,829	6,213	-26.8
Industrial machinery.....	11,711	11,306	11,490	3.6	-1.6	1.0	11,816	11,516	11,689	12,608	-6.3
Photographic equipment.....	1,796	1,809	1,780	-0.7	1.6	-3.5	1,821	1,828	1,780	1,869	-2.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	22,800	21,682	20,935	5.2	3.6	0.6	22,327	21,044	20,989	16,964	31.6
Metalworking machinery.....	6,616	6,632	6,674	-0.2	-0.6	-1.1	6,645	6,718	6,669	7,135	-6.9
Turbines, generators, and other power transmission equipment.....	13,013	13,327	13,473	-2.4	-1.1	-2.0	13,140	13,474	13,561	14,171	-7.3
Material handling equipment.....	7,903	7,717	7,602	2.4	1.5	-0.2	8,112	7,862	7,604	8,334	-2.7
Computers and electronic products ²	122,040	121,684	122,445	0.3	-0.6	-0.4	123,399	122,401	122,337	125,320	-1.5
Computers.....	4,460	4,114	4,198	8.4	-2.0	-10.8	4,460	4,114	4,198	3,610	23.5
Nondefense communications equipment.....	28,640	29,147	29,559	-1.7	-1.4	0.3	28,519	29,458	29,095	28,473	0.2
Defense communications equipment.....	8,435	8,293	8,191	1.7	1.2	1.7	8,751	8,203	8,197	9,054	-3.3
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	11,844	11,593	11,373	2.2	1.9	1.6	11,876	11,652	11,267	9,912	19.8
Nondefense search and navigation equipment.....	7,414	7,441	7,443	-0.4	0.0	-2.6	7,531	7,514	7,514	8,634	-12.8
Defense search and navigation equipment.....	34,433	34,570	35,083	-0.4	-1.5	-0.9	35,166	34,840	35,210	38,164	-7.9
Electromedical, measuring, and control instruments.....	26,814	26,526	26,598	1.1	-0.3	0.3	27,096	26,620	26,856	27,473	-1.4
Electrical equipment, appliances, and components.....	21,078	20,536	20,469	2.6	0.3	1.3	21,186	20,788	20,341	21,251	-0.3
Electric lighting equipment.....	1,887	1,809	1,936	4.3	-6.6	-4.6	1,867	1,752	1,844	2,118	-11.9
Household appliances.....	531	517	537	2.7	-3.7	7.6	559	597	564	450	24.2
Electrical equipment.....	13,629	13,284	13,151	2.6	1.0	2.1	13,571	13,333	13,035	13,419	1.1
Transportation equipment.....	409,273	413,345	411,064	-1.0	0.6	0.2	414,996	417,745	416,525	450,763	-7.9
Motor vehicle bodies, parts, and trailers.....	13,653	13,724	13,862	-0.5	-1.0	-1.4	13,758	14,122	14,223	15,161	-9.3
Nondefense aircraft and parts.....	270,703	274,305	271,113	-1.3	1.2	0.2	273,336	276,501	274,260	295,424	-7.5
Defense aircraft and parts.....	45,594	45,816	46,161	-0.5	-0.7	1.5	46,939	46,674	46,889	49,032	-4.3
Ships and boats.....	16,486	16,715	16,500	-1.4	1.3	-1.9	17,114	17,393	16,999	21,374	-19.9
Furniture and related products.....	6,219	6,196	6,054	0.4	2.3	1.5	6,121	5,822	5,588	6,188	-1.1

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 Mar. 10/09
	Mar. 2010 ^p	Feb. 2010 ^r	Jan. 2010	Feb. - Mar.	Jan. - Feb.	Dec. - Jan.	Mar. 2010 ^p	Feb. 2010 ^r	Jan. 2010	Mar. 2009	
All manufacturing industries.....	500,712	499,220	495,778	0.3	0.7	0.3	499,645	500,754	493,142	520,429	-4.0
Excluding transportation.....	409,899	408,884	405,671	0.2	0.8	0.2	409,189	410,085	403,809	427,740	-4.3
Excluding defense.....	473,813	472,292	469,145	0.3	0.7	0.2	472,791	473,800	466,519	494,449	-4.4
With unfilled orders.....	247,286	246,275	245,108	0.4	0.5	0.3	246,746	248,306	245,100	263,318	-6.3
Durable goods industries.....	305,191	304,198	302,871	0.3	0.4	0.1	305,068	307,259	303,050	327,943	-7.0
Wood products.....	9,491	9,543	9,421	-0.5	1.3	1.7	9,761	9,793	9,559	10,525	-7.3
Nonmetallic mineral products.....	10,566	10,501	10,488	0.6	0.1	-0.6	10,809	10,711	10,508	11,910	-9.2
Primary metals.....	27,056	26,575	26,098	1.8	1.8	1.1	26,780	26,537	26,171	28,561	-6.2
Iron and steel mills.....	15,157	14,734	14,357	2.9	2.6	1.5	14,878	14,664	14,427	16,633	-10.6
Aluminum and nonferrous metals.....	9,758	9,667	9,592	0.9	0.8	0.7	9,712	9,614	9,556	9,357	3.8
Ferrous metal foundries.....	2,141	2,174	2,149	-1.5	1.2	0.5	2,190	2,259	2,188	2,571	-14.8
Fabricated metal products.....	37,376	37,106	36,707	0.7	1.1	-0.1	37,714	37,594	37,017	41,566	-9.3
Machinery.....	46,948	46,961	47,147	0.0	-0.4	-0.8	47,550	47,934	47,412	53,622	-11.3
Farm machinery.....	2,632	2,611	2,612	0.8	0.0	-2.5	2,917	2,906	2,777	3,707	-21.3
Construction machinery.....	4,810	4,882	4,875	-1.5	0.1	-0.4	4,906	4,984	4,830	5,454	-10.0
Mining, oil field, and gas field machinery.....	4,404	4,380	4,410	0.5	-0.7	-0.9	4,412	4,390	4,395	4,784	-7.8
Industrial machinery.....	6,068	6,028	5,991	0.7	0.6	-0.9	6,129	6,086	5,892	6,739	-9.1
Photographic equipment.....	1,426	1,461	1,453	-2.4	0.6	-0.5	1,399	1,478	1,469	1,485	-5.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,590	3,523	3,694	1.9	-4.6	0.0	3,642	3,569	3,629	4,297	-15.2
Metalworking machinery.....	4,110	4,101	4,087	0.2	0.3	-2.3	4,135	4,125	4,073	5,095	-18.8
Turbines, generators, and other power transmission equipment.....	4,892	5,010	5,037	-2.4	-0.5	-0.3	4,819	5,129	5,102	5,643	-14.6
Material handling equipment.....	2,658	2,664	2,692	-0.2	-1.0	0.0	2,669	2,704	2,742	3,141	-15.0
Computers and electronic products ²	42,972	43,183	42,983	-0.5	0.5	-1.0	42,143	43,767	43,120	45,127	-6.6
Computers.....	1,208	1,241	1,213	-2.7	2.3	7.6	1,188	1,259	1,145	1,219	-2.5
Computer storage devices.....	1,208	1,200	1,215	0.7	-1.2	-0.2	1,148	1,231	1,171	1,265	-9.2
Other peripheral equipment.....	1,841	1,840	1,837	0.1	0.2	-0.9	1,768	1,846	1,783	1,990	-11.2
Nondefense communications equipment.....	6,492	7,171	7,047	-9.5	1.8	-0.4	6,327	7,399	7,218	8,118	-22.1
Defense communications equipment.....	2,443	2,336	2,271	4.6	2.9	0.0	2,443	2,336	2,271	1,921	27.2
Audio and video equipment.....	375	370	386	1.4	-4.1	-1.3	332	355	393	674	-50.7
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	6,363	6,187	6,276	2.8	-1.4	-1.0	6,206	6,261	6,397	6,131	1.2
Nondefense search and navigation equipment.....	5,044	5,020	4,986	0.5	0.7	0.7	4,973	5,004	4,944	4,753	4.6
Defense search and navigation equipment.....	3,910	3,903	3,730	0.2	4.6	1.1	3,907	3,958	3,733	3,581	9.1
Electromedical, measuring and control instruments.....	10,353	10,256	10,346	0.9	-0.9	2.2	10,187	10,420	10,393	10,705	-4.8
Electrical equipment, appliances, and components.....	12,258	12,178	12,106	0.7	0.6	0.7	12,406	12,395	12,227	13,725	-9.6
Electric lighting equipment.....	1,408	1,388	1,398	1.4	-0.7	-2.3	1,415	1,392	1,394	1,583	-10.6
Household appliances.....	2,021	2,003	1,984	0.9	1.0	0.5	2,011	2,040	1,955	2,005	0.3
Electrical equipment.....	3,930	3,895	3,830	0.9	1.7	0.2	4,065	4,070	4,014	4,606	-11.7
Batteries.....	649	652	654	-0.5	-0.3	0.3	649	629	625	719	-9.7
Transportation equipment.....	90,813	90,336	90,107	0.5	0.3	0.6	90,456	90,669	89,333	92,689	-2.4
Automobiles.....	1,868	1,894	1,809	-1.4	4.7	-7.5	1,845	1,997	1,974	1,980	-6.8
Light trucks and utility vehicles.....	1,985	1,882	1,847	5.5	1.9	10.3	2,023	1,851	1,747	1,864	8.5
Heavy duty trucks.....	1,450	1,549	1,609	-6.4	-3.7	-0.4	1,419	1,543	1,581	1,489	-4.7
Motor vehicle bodies, parts, and trailers.....	13,367	13,295	13,257	0.5	0.3	-0.3	13,449	13,533	13,443	14,337	-6.2
Nondefense aircraft and parts.....	46,347	45,807	45,441	1.2	0.8	1.0	46,097	45,804	44,509	46,393	-0.6
Defense aircraft and parts.....	15,837	15,941	15,740	-0.7	1.3	2.7	15,723	15,853	15,626	15,126	3.9
Ships and boats.....	2,634	2,569	2,629	2.5	-2.3	-2.4	2,735	2,653	2,685	3,078	-11.1
Furniture and related products.....	6,011	6,036	6,029	-0.4	0.1	-0.5	5,983	6,021	6,023	6,951	-13.9
Miscellaneous durable goods.....	21,700	21,779	21,785	-0.4	0.0	-0.1	21,466	21,838	21,680	23,267	-7.7
Nondurable goods industries.....	195,521	195,022	192,907	0.3	1.1	0.6	194,577	193,495	190,092	192,486	1.1
Food products.....	35,461	35,679	35,861	-0.6	-0.5	-0.7	34,744	35,664	35,786	35,163	-1.2
Grain and oilseed milling.....	4,727	4,746	4,710	-0.4	0.8	-0.6	4,658	4,845	4,830	4,173	11.6
Dairy products.....	4,425	4,467	4,471	-0.9	-0.1	1.4	4,420	4,457	4,379	4,454	-0.8
Meat, poultry, and seafood products.....	7,149	7,157	7,151	-0.1	0.1	0.1	7,148	7,162	7,047	7,007	2.0
Beverage and tobacco products.....	15,134	15,228	15,264	-0.6	-0.2	-1.2	15,368	15,545	15,458	15,741	-2.4
Beverages.....	11,100	11,195	11,235	-0.8	-0.4	-1.2	11,224	11,337	11,227	11,635	-3.5
Tobacco.....	4,034	4,033	4,029	0.0	0.1	-1.2	4,144	4,208	4,231	4,106	0.9
Textile mills.....	2,929	2,922	2,903	0.2	0.7	-0.3	2,933	2,957	2,934	3,367	-12.9
Textile products.....	2,718	2,694	2,675	0.9	0.7	-0.5	2,695	2,699	2,698	2,832	-4.8
Apparel.....	3,544	3,536	3,532	0.2	0.1	1.6	3,411	3,481	3,514	3,896	-12.4
Leather and allied products.....	932	931	935	0.1	-0.4	0.0	922	941	967	1,081	-14.7
Paper products.....	13,244	13,289	13,345	-0.3	-0.4	-0.8	13,333	13,461	13,368	14,422	-7.6
Pulp, paper, and paperboard mills.....	5,525	5,626	5,682	-1.8	-1.0	-1.5	5,575	5,721	5,705	6,295	-11.4
Paperboard containers.....	3,712	3,612	3,621	2.8	-0.2	0.5	3,751	3,677	3,671	4,018	-6.6
Printing.....	5,576	5,566	5,554	0.2	0.2	0.5	5,545	5,514	5,367	6,160	-10.0
Petroleum and coal products.....	33,770	34,124	32,173	-1.0	6.1	3.2	32,975	31,340	29,244	24,229	36.1
Petroleum refineries.....	31,658	32,033	30,082	-1.2	6.5	3.6	30,819	29,231	27,170	21,743	41.7
Chemical products.....	62,864	62,025	61,980	1.4	0.1	0.4	63,044	62,545	61,816	65,622	-3.9
Pesticides, fertilizers, and other agricultural chemicals.....	3,270	3,253	3,270	0.5	-0.5	3.6	3,632	3,708	3,587	3,719	-2.3
Pharmaceuticals and medicines.....	22,668	22,717	22,709	-0.2	0.0	-1.0	22,479	22,546	22,219	25,001	-10.1
Paints, coatings, and adhesives.....	2,910	2,893	2,866	0.6	0.9	0.0	3,014	3,005	2,875	3,114	-3.2
Plastics and rubber products.....	19,349	19,028	18,685	1.7	1.8	2.4	19,607	19,348	18,940	19,973	-1.8

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						Percent Change ⁶ 2010/ 2009
	Monthly			Percent Change			Monthly				Year to date		
	Mar. 2010 ^p	Feb. 2010 ^r	Jan. 2010	Feb. - Mar.	Jan. - Feb.	Dec. - Jan.	Mar. 2010 ^p	Feb. 2010 ^r	Jan. 2010	Mar. 2009	2010 ^p	2009	
SHIPMENTS													
All manufacturing industries	395,587	386,968	385,325	2.2	0.4	0.7	413,753	356,306	349,601	370,878	1,119,660	1,039,474	7.7
Construction materials and supplies.....	38,499	37,994	37,735	1.3	0.7	1.4	39,038	33,456	31,985	37,980	104,479	106,100	-1.5
Information technology.....	25,980	25,882	26,027	0.4	-0.6	3.3	29,549	23,009	22,024	27,623	74,582	69,959	6.6
Computers and related products	4,815	4,658	4,879	3.4	-4.5	4.0	5,768	3,843	4,152	5,127	13,763	12,718	8.2
Motor vehicle and parts.....	25,668	25,007	25,343	2.6	-1.3	-1.4	28,720	24,678	23,028	26,787	76,426	73,917	3.4
Capital goods.....	69,751	68,515	68,470	1.8	0.1	-2.4	78,043	63,878	59,526	75,330	201,447	198,416	1.5
Nondefense capital goods ³	59,205	57,745	57,127	2.5	1.1	-4.4	66,731	53,306	50,004	64,464	170,041	170,130	-0.1
Excluding aircraft.....	55,898	54,640	53,722	2.3	1.7	-1.9	62,618	50,575	47,976	59,215	161,169	157,969	2.0
Defense capital goods ⁴	10,546	10,770	11,343	-2.1	-5.1	9.7	11,312	10,572	9,522	10,866	31,406	28,286	11.0
Consumer goods.....	162,600	157,499	156,804	3.2	0.4	0.7	164,010	144,286	144,619	141,191	452,915	408,024	11.0
Consumer durable goods.....	22,552	22,157	22,025	1.8	0.6	-0.3	24,903	21,433	19,424	24,569	65,760	67,175	-2.1
Consumer nondurable goods.....	140,048	135,342	134,779	3.5	0.4	0.9	139,107	122,853	125,195	116,622	387,155	340,849	13.6
NEW ORDERS													
All manufacturing industries ⁵	391,459	386,426	381,425	1.3	1.3	2.5	413,767	357,203	349,447	358,386	1,120,417	999,281	12.1
Construction materials and supplies.....	39,736	38,703	37,801	2.7	2.4	0.3	40,954	33,624	32,494	37,387	107,072	103,650	3.3
Information technology.....	26,177	25,011	25,278	4.7	-1.1	0.6	30,399	22,944	21,740	28,566	75,083	71,255	5.4
Computers and related products	5,161	4,574	4,370	12.8	4.7	-10.6	6,114	3,759	3,643	5,048	13,516	12,238	10.4
Motor vehicle and parts.....	25,597	24,869	25,145	2.9	-1.1	-2.3	28,356	24,577	23,178	26,323	76,111	73,429	3.7
Capital goods.....	67,259	71,662	68,264	-6.1	5.0	7.8	78,118	67,091	61,706	68,426	206,915	175,137	18.1
Nondefense capital goods ³	56,761	61,047	57,149	-7.0	6.8	3.9	64,843	56,905	50,788	56,899	172,536	146,220	18.0
Excluding aircraft.....	56,726	54,292	52,798	4.5	2.8	-4.4	63,749	51,944	48,777	55,878	164,470	149,261	10.2
Defense capital goods ⁴	10,498	10,615	11,115	-1.1	-4.5	33.4	13,275	10,186	10,918	11,527	34,379	28,917	18.9
Consumer goods.....	162,694	157,791	157,153	3.1	0.4	0.7	164,112	144,677	145,203	141,235	453,992	407,757	11.3
Consumer durable goods.....	22,646	22,449	22,374	0.9	0.3	-0.2	25,005	21,824	20,008	24,613	66,837	66,908	-0.1
Consumer nondurable goods.....	140,048	135,342	134,779	3.5	0.4	0.9	139,107	122,853	125,195	116,622	387,155	340,849	13.6
UNFILLED ORDERS													
All manufacturing industries ⁵	721,687	722,535	718,960	-0.1	0.5	0.2	730,084	727,581	723,187	768,317	(X)	(X)	-5.0
Construction materials and supplies.....	51,335	50,098	49,389	2.5	1.4	0.1	50,919	49,003	48,835	47,934	(X)	(X)	6.2
Information technology.....	117,023	116,826	117,697	0.2	-0.7	-0.6	118,533	117,683	117,748	122,541	(X)	(X)	-3.3
Computers and related products	4,460	4,114	4,198	8.4	-2.0	-10.8	4,460	4,114	4,198	3,610	(X)	(X)	23.5
Motor vehicle and parts.....	13,653	13,724	13,862	-0.5	-1.0	-1.4	13,758	14,122	14,223	15,161	(X)	(X)	-9.3
Capital goods.....	542,227	544,719	541,572	-0.5	0.6	0.0	549,349	549,274	546,061	590,656	(X)	(X)	-7.0
Nondefense capital goods ³	409,858	412,302	409,000	-0.6	0.8	0.0	413,336	415,224	411,625	444,360	(X)	(X)	-7.0
Excluding aircraft.....	173,884	173,056	173,404	0.5	-0.2	-0.5	175,376	174,245	172,876	184,474	(X)	(X)	-4.9
Defense capital goods ⁴	132,369	132,417	132,572	0.0	-0.1	-0.2	136,013	134,050	134,436	146,296	(X)	(X)	-7.0
Consumer goods.....	9,079	8,985	8,693	1.0	3.4	4.2	9,179	9,077	8,686	7,730	(X)	(X)	18.7
Consumer durable goods.....	9,079	8,985	8,693	1.0	3.4	4.2	9,179	9,077	8,686	7,730	(X)	(X)	18.7
TOTAL INVENTORIES													
All manufacturing industries	500,712	499,220	495,778	0.3	0.7	0.3	499,645	500,754	493,142	520,429	(X)	(X)	-4.0
Construction materials and supplies.....	51,197	50,826	50,708	0.7	0.2	0.2	52,011	51,787	51,093	57,228	(X)	(X)	-9.1
Information technology.....	38,898	39,389	39,073	-1.2	0.8	1.1	38,262	39,884	39,091	40,901	(X)	(X)	-6.5
Computers and related products	4,257	4,281	4,265	-0.6	0.4	1.6	4,104	4,336	4,099	4,474	(X)	(X)	-8.3
Motor vehicle and parts.....	18,670	18,620	18,522	0.3	0.5	-0.1	18,736	18,924	18,745	19,670	(X)	(X)	-4.7
Capital goods.....	152,931	153,325	152,521	-0.3	0.5	0.8	152,744	154,813	151,801	162,465	(X)	(X)	-6.0
Nondefense capital goods ³	132,175	132,595	132,070	-0.3	0.4	0.5	131,919	133,969	131,246	142,341	(X)	(X)	-7.3
Excluding aircraft.....	95,392	96,165	96,050	-0.8	0.1	0.1	95,222	97,555	96,112	105,367	(X)	(X)	-9.6
Defense capital goods ⁴	20,756	20,730	20,451	0.1	1.4	2.7	20,825	20,844	20,555	20,124	(X)	(X)	3.5
Consumer goods.....	145,988	146,782	144,966	-0.5	1.3	0.1	144,221	144,593	142,053	143,106	(X)	(X)	0.8
Consumer durable goods.....	23,218	23,160	23,075	0.3	0.4	-0.8	23,118	23,567	23,421	26,049	(X)	(X)	-11.3
Consumer nondurable goods.....	122,770	123,622	121,891	-0.7	1.4	0.2	121,103	121,026	118,632	117,057	(X)	(X)	3.5

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; electromagnetic, 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 Mar. 10/09
	Mar. 2010 ^p	Feb. 2010 ^r	Jan. 2010	Feb. - Mar.	Jan. - Feb.	Dec. - Jan.	Mar. 2010 ^p	Feb. 2010 ^r	Jan. 2010	Mar. 2009	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	167,922	167,516	166,418	0.2	0.7	-0.3	167,125	167,587	166,759	176,331	-5.2
Durable goods industries.....	99,428	99,346	99,526	0.1	-0.2	-0.4	98,870	99,848	100,184	111,501	-11.3
Wood products.....	3,768	3,811	3,749	-1.1	1.7	3.2	3,762	3,905	3,938	4,298	-12.5
Nonmetallic mineral products.....	4,398	4,323	4,312	1.7	0.3	-0.1	4,410	4,328	4,293	4,691	-6.0
Primary metals.....	10,940	10,751	10,617	1.8	1.3	-0.5	10,615	10,621	10,689	13,305	-20.2
Fabricated metal products.....	13,727	13,461	13,227	2.0	1.8	-1.4	13,839	13,579	13,504	15,674	-11.7
Machinery.....	18,397	18,315	18,293	0.4	0.1	-1.4	18,481	18,434	18,499	21,056	-12.2
Computers and electronic products.....	12,420	12,728	13,036	-2.4	-2.4	-0.3	12,236	12,807	12,983	14,806	-17.4
Electrical equipment, appliances, and components.....	4,734	4,674	4,594	1.3	1.7	1.3	4,803	4,750	4,672	5,492	-12.5
Transportation equipment.....	20,830	21,022	21,350	-0.9	-1.5	-0.3	20,558	21,143	21,237	21,214	-3.1
Furniture and related products.....	3,025	3,063	3,058	-1.2	0.2	-0.3	3,041	3,080	3,068	3,316	-8.3
Miscellaneous products.....	7,189	7,198	7,290	-0.1	-1.3	0.0	7,125	7,201	7,301	7,649	-6.9
Nondurable goods industries.....	68,494	68,170	66,892	0.5	1.9	-0.1	68,255	67,739	66,575	64,830	5.3
Food products.....	13,250	13,404	13,626	-1.1	-1.6	-2.0	13,179	13,523	13,988	13,105	0.6
Beverage and tobacco products.....	4,484	4,466	4,471	0.4	-0.1	-1.6	4,567	4,609	4,675	4,518	1.1
Textiles.....	977	956	928	2.2	3.0	0.7	974	959	932	989	-1.5
Textile products.....	1,025	1,017	1,009	0.8	0.8	-1.4	1,015	1,002	1,003	1,080	-6.0
Apparel.....	927	915	908	1.3	0.8	0.9	920	912	918	991	-7.2
Leather and allied products.....	350	353	349	-0.8	1.1	-0.9	344	354	354	396	-13.1
Paper products.....	6,532	6,444	6,486	1.4	-0.6	-1.5	6,565	6,513	6,543	6,978	-5.9
Printing.....	2,490	2,492	2,471	-0.1	0.8	0.2	2,502	2,464	2,411	2,860	-12.5
Petroleum and coal products.....	10,491	10,649	9,683	-1.5	10.0	2.0	10,241	9,722	8,573	7,327	39.8
Chemical products.....	19,974	19,688	19,394	1.5	1.5	0.0	19,981	19,863	19,502	18,773	6.4
Plastics and rubber products.....	7,994	7,786	7,567	2.7	2.9	2.7	7,967	7,818	7,676	7,813	2.0
WORK IN PROCESS											
All manufacturing industries.....	163,356	162,653	160,573	0.4	1.3	0.2	162,895	163,087	159,450	162,218	0.4
Durable goods industries.....	124,133	123,640	122,317	0.4	1.1	0.5	123,682	124,556	121,933	125,133	-1.2
Wood products.....	1,759	1,705	1,692	3.2	0.8	1.1	1,771	1,699	1,673	1,759	0.7
Nonmetallic mineral products.....	1,277	1,289	1,270	-0.9	1.5	-0.1	1,342	1,339	1,265	1,460	-8.1
Primary metals.....	8,179	8,090	7,975	1.1	1.4	4.0	8,013	8,032	7,869	7,675	4.4
Fabricated metal products.....	11,835	11,839	11,657	0.0	1.6	0.9	11,785	11,953	11,701	12,323	-4.4
Machinery.....	13,405	13,537	13,570	-1.0	-0.2	0.0	13,463	13,713	13,366	14,886	-9.6
Computers and electronic products.....	21,743	21,700	21,307	0.2	1.8	-1.4	21,318	22,085	21,517	21,175	0.7
Electrical equipment, appliances, and components.....	2,556	2,537	2,513	0.7	1.0	5.1	2,589	2,565	2,506	2,787	-7.1
Transportation equipment.....	59,056	58,663	58,120	0.7	0.9	0.7	59,088	58,867	57,877	58,469	1.1
Furniture and related products.....	1,071	1,041	1,026	2.9	1.5	-3.3	1,077	1,047	1,029	1,273	-15.4
Miscellaneous products.....	3,252	3,239	3,187	0.4	1.6	-0.5	3,236	3,256	3,130	3,326	-2.7
Nondurable goods industries.....	39,223	39,013	38,256	0.5	2.0	-0.9	39,213	38,531	37,517	37,085	5.7
Food products.....	2,223	2,288	2,313	-2.8	-1.1	-3.6	2,163	2,320	2,451	2,310	-6.4
Beverage and tobacco products.....	4,445	4,440	4,445	0.1	-0.1	-1.2	4,482	4,608	4,651	4,504	-0.5
Textiles.....	658	659	662	-0.2	-0.5	0.0	653	655	667	740	-11.8
Textile products.....	338	334	336	1.2	-0.6	-1.8	334	336	335	341	-2.1
Apparel.....	516	519	522	-0.6	-0.6	1.8	500	509	520	553	-9.6
Leather and allied products.....	81	83	88	-2.4	-5.7	-1.1	88	91	100	94	-6.4
Paper products.....	1,230	1,252	1,260	-1.8	-0.6	0.6	1,231	1,252	1,257	1,363	-9.7
Printing.....	1,444	1,498	1,501	-3.6	-0.2	3.5	1,414	1,534	1,428	1,519	-6.9
Petroleum and coal products.....	11,139	10,977	10,117	1.5	8.5	2.7	11,381	10,359	9,264	7,124	59.8
Chemical products.....	14,878	14,714	14,762	1.1	-0.3	-3.8	14,642	14,547	14,544	16,223	-9.7
Plastics and rubber products.....	2,271	2,249	2,250	1.0	0.0	1.9	2,325	2,320	2,300	2,314	0.5
FINISHED GOODS											
All manufacturing industries.....	169,434	169,051	168,787	0.2	0.2	1.0	169,625	170,080	166,933	181,880	-6.7
Durable goods industries.....	81,630	81,212	81,028	0.5	0.2	0.0	82,516	82,855	80,933	91,309	-9.6
Wood products.....	3,964	4,027	3,980	-1.6	1.2	0.6	4,228	4,189	3,948	4,468	-5.4
Nonmetallic mineral products.....	4,891	4,889	4,906	0.0	-0.3	-1.1	5,057	5,044	4,950	5,759	-12.2
Primary metals.....	7,937	7,734	7,506	2.6	3.0	0.5	8,152	7,884	7,613	7,581	7.5
Fabricated metal products.....	11,814	11,806	11,823	0.1	-0.1	0.5	12,090	12,062	11,812	13,569	-10.9
Machinery.....	15,146	15,109	15,284	0.2	-1.1	-0.8	15,606	15,787	15,547	17,680	-11.7
Computers and electronic products.....	8,809	8,755	8,640	0.6	1.3	-0.9	8,589	8,875	8,620	9,146	-6.1
Electrical equipment, appliances, and components.....	4,968	4,967	4,999	0.0	-0.6	-1.9	5,014	5,080	5,049	5,446	-7.9
Transportation equipment.....	10,927	10,651	10,637	2.6	0.1	2.2	10,810	10,659	10,219	13,006	-16.9
Furniture and related products.....	1,915	1,932	1,945	-0.9	-0.7	0.5	1,865	1,894	1,926	2,362	-21.0
Miscellaneous products.....	11,259	11,342	11,308	-0.7	0.3	0.0	11,105	11,381	11,249	12,292	-9.7
Nondurable goods industries.....	87,804	87,839	87,759	0.0	0.1	1.8	87,109	87,225	86,000	90,571	-3.8
Food products.....	19,988	19,987	19,922	0.0	0.3	0.6	19,402	19,821	19,347	19,748	-1.8
Beverage and tobacco products.....	6,205	6,322	6,348	-1.9	-0.4	-1.0	6,319	6,328	6,132	6,719	-6.0
Textiles.....	1,294	1,307	1,313	-1.0	-0.5	-1.2	1,306	1,343	1,335	1,638	-20.3
Textile products.....	1,355	1,343	1,330	0.9	1.0	0.5	1,346	1,361	1,360	1,411	-4.6
Apparel.....	2,101	2,102	2,102	0.0	0.0	1.9	1,991	2,060	2,076	2,352	-15.3
Leather and allied products.....	501	495	498	1.2	-0.6	0.8	490	496	513	591	-17.1
Paper products.....	5,482	5,593	5,599	-2.0	-0.1	-0.2	5,537	5,696	5,568	6,081	-8.9
Printing.....	1,642	1,576	1,582	4.2	-0.4	-1.8	1,629	1,516	1,528	1,781	-8.5
Petroleum and coal products.....	12,140	12,498	12,373	-2.9	1.0	4.7	11,353	11,259	11,407	9,778	16.1
Chemical products.....	28,012	27,623	27,824	1.4	-0.7	3.0	28,421	28,135	27,770	30,626	-7.2
Plastics and rubber products.....	9,084	8,993	8,868	1.0	1.4	2.3	9,315	9,210	8,964	9,846	-5.4

^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			
	Mar 2010 ^P	Feb 2010 ^r	Jan 2010	Dec 2009	Mar 2010 ^P	Feb 2010 ^r	Jan 2010	Dec 2009
All manufacturing industries ²	1.27	1.29	1.29	1.29	(X)	(X)	(X)	(X)
Durable goods industries ²	1.67	1.69	1.68	1.67	5.40	5.52	5.51	5.44
Wood products.....	1.24	1.28	1.26	1.25	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.37	1.42	1.42	1.42	(X)	(X)	(X)	(X)
Primary metals.....	1.51	1.56	1.59	1.58	0.95	0.98	0.99	0.95
Fabricated metal products.....	1.52	1.51	1.53	1.53	2.09	2.09	2.13	2.12
Machinery.....	1.94	2.03	2.10	1.98	4.19	4.37	4.46	4.12
Computers and electronic products ²	1.44	1.41	1.35	1.46	5.17	5.16	5.20	5.41
Electrical equipment, appliances, and components.....	1.40	1.41	1.43	1.40	2.66	2.63	2.65	2.55
Transportation equipment.....	2.04	2.06	1.99	1.94	12.20	12.44	11.91	11.73
Furniture and related products.....	1.16	1.18	1.20	1.20	1.41	1.43	1.40	1.38
Miscellaneous products.....	1.75	1.75	1.76	1.80	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.92	0.94	0.94	0.95	(X)	(X)	(X)	(X)
Food products.....	0.67	0.68	0.70	0.71	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.31	1.41	1.38	1.37	(X)	(X)	(X)	(X)
Textiles.....	1.17	1.19	1.20	1.24	(X)	(X)	(X)	(X)
Textile products.....	1.46	1.47	1.46	1.48	(X)	(X)	(X)	(X)
Apparel.....	1.62	1.65	1.65	1.60	(X)	(X)	(X)	(X)
Leather and allied products.....	2.37	2.29	2.36	2.36	(X)	(X)	(X)	(X)
Paper products.....	0.97	1.00	1.02	1.03	(X)	(X)	(X)	(X)
Printing.....	0.78	0.78	0.77	0.77	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.69	0.74	0.70	0.70	(X)	(X)	(X)	(X)
Chemical products.....	1.13	1.14	1.17	1.18	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.19	1.18	1.19	1.15	(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	
	Mar ¹ 2010	Mar ² 2009-Feb 2010	Mar ¹ 2010	Mar ² 2009-Feb 2010	Mar ¹ 2010	Mar ² 2009-Feb 2010	Mar ¹ 2010	Mar ² 2009-Feb 2010
	Mar ¹ 2010	Mar ² 2009-Feb 2010	Mar ¹ 2010	Mar ² 2009-Feb 2010	Mar ¹ 2010	Mar ² 2009-Feb 2010	Mar ¹ 2010	Mar ² 2009-Feb 2010
All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.1	(X)	0.2
Durable goods industries.....	0.2	0.4	0.7	0.7	0.2	0.1	0.1	0.2
Wood products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.8
Nonmetallic mineral products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.9	0.8	1.2	1.5	0.6	0.8	0.0	0.3
Fabricated metal products.....	0.8	0.6	0.9	0.8	0.1	0.2	0.3	0.3
Machinery.....	0.5	0.4	0.0	1.3	0.1	0.2	0.1	0.3
Computers and electronic products.....	-0.4	1.0	1.0	1.2	0.4	0.2	0.5	0.3
Electrical equipment, appliances, and components.....	0.5	0.5	2.2	1.1	0.8	0.3	0.1	0.4
Transportation equipment.....	-0.4	0.7	0.6	1.1	0.1	0.1	0.1	0.2
Furniture and related products.....	(X)	0.4	(X)	1.4	(X)	0.9	(X)	0.4
Miscellaneous products.....	(X)	0.4	(X)	0.5	(X)	0.3	(X)	0.2
Nondurable goods industries.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.9
Textile products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	1.5	(X)	(NA)	(X)	(NA)	(X)	0.8
Paper products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Printing.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	1.1
Petroleum and coal products.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	1.5
Chemical products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3

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.