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

Summary

New orders for manufactured goods in April, up twelve of the last thirteen months, increased $5.1 billion or 1.2 percent to $420.1 billion, the U.S. Census Bureau reported today. This followed a 1.7 percent March increase. Excluding transportation, new orders decreased 0.5 percent.

Shipments, up ten of the last eleven months, increased $2.5 billion or 0.6 percent to $422.3 billion. This followed a 2.6 percent March increase.

Unfilled orders, up three of the last four months, increased $3.4 billion or 0.4 percent to $801.2 billion. This followed a 0.1 percent March decrease. The unfilled orders-to-shipments ratio was unchanged at 5.60.

Inventories, up six of the last seven months, increased $2.6 billion or 0.5 percent to $521.7 billion. This followed a 0.5 percent March increase. The inventories-to-shipments ratio was unchanged at 1.24.

New Orders

New orders for manufactured durable goods in April, up five consecutive months, increased $5.2 billion or 2.8 percent to $193.8 billion, revised from the previously published 2.9 percent increase. This followed a 0.1 percent March increase.

Transportation equipment, up following two consecutive monthly decreases, had the largest increase, $6.9 billion or 15.8 percent to $50.5 billion.

New orders for manufactured nondurable goods decreased $0.2 billion or 0.1 percent to $226.3 billion.

Shipments

Shipments of manufactured durable goods in April, up two consecutive months, increased $2.7 billion or 1.4 percent to $196.0 billion, unchanged from the previously published increase. This followed a 2.1 percent March increase.

Computers and electronic products, up following two consecutive monthly decreases, had the largest increase, $2.5 billion or 8.1 percent to $33.3 billion.

Shipments of manufactured nondurable goods, down following eight consecutive monthly increases, decreased $0.2 billion or 0.1 percent to $226.3 billion. This followed a 3.1 percent March increase. Petroleum and coal products, down two of the last three months, drove the decrease, down $0.4 billion or 0.8 percent to $57.2 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in April, up three of the last four months, increased $3.4 billion or 0.4 percent to $801.2 billion, unchanged from the previously published increase. This followed a 0.1 percent March decrease.

Transportation equipment, also up three of the last four months, had the largest increase, $2.2 billion or 0.5 percent to $480.0 billion.

Inventories

Inventories of manufactured durable goods in April, up four consecutive months, increased $2.0 billion or 0.7 percent to $301.4 billion, unchanged from the previously published increase. This followed a 0.6 percent March increase.

Primary metals, up six consecutive months, had the largest increase, $1.2 billion or 4.3 percent to $29.9 billion.

Inventories of manufactured nondurable goods, up seven consecutive months, increased $0.7 billion or 0.3 percent to $220.2 billion. This followed a 0.2 percent March increase. Plastic and rubber products led the increase, up $0.2 billion or 1.1 percent to $19.2 billion.

By stage of fabrication, April materials and supplies increased 0.5 percent in durable goods and decreased 1.1 percent in nondurable goods. Work in process increased 1.3 percent in durable goods and 0.9 percent in nondurable goods. Finished goods increased 0.1 percent in durable goods and 1.0 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 May is scheduled for release on June 24, 2010, at 8:30 a.m. EDT and the full report on July 2, 2010, at 10:00 a.m. EDT. See back page for survey description.

Table 1. Value of Manufacturers' Shipments for Industry Groups[1]

[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		
	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Apr. 2009	2010[p]	2009	Percent 2010/ 2009
All manufacturing industries	422,317	419,787	408,967	0.6	2.6	-0.5	421,411	437,300	375,468	369,222	1,607,481	1,455,039	10.5
Excluding transportation	373,957	371,518	361,936	0.7	2.6	0.6	374,347	383,866	330,596	323,024	1,417,747	1,270,823	11.6
Excluding defense	408,960	406,089	395,154	0.7	2.8	-0.3	408,823	422,467	362,160	356,533	1,554,766	1,406,371	10.6
With unfilled orders	142,982	142,593	138,690	0.3	2.8	-0.2	140,786	154,163	128,788	126,524	546,575	513,731	6.4
Durable goods industries	196,019	193,305	189,328	1.4	2.1	-1.5	196,614	207,098	175,485	177,918	751,649	707,484	6.2
Wood products	7,291	6,949	6,712	4.9	3.5	1.5	7,480	6,778	5,945	6,642	25,687	23,823	7.8
Nonmetallic mineral products	8,299	8,189	7,793	1.3	5.1	-0.7	8,522	8,144	6,701	7,890	29,983	29,866	0.4
Primary metals	19,989	19,994	18,886	0.0	5.9	3.1	20,613	21,113	17,667	14,006	76,517	58,219	31.4
Iron and steel mills	9,692	9,621	9,041	0.7	6.4	5.5	9,889	10,049	8,330	5,889	36,121	26,038	38.7
Aluminum and nonferrous metals	9,133	9,178	8,734	-0.5	5.1	1.0	9,539	9,753	8,317	7,121	35,874	27,826	28.9
Ferrous metal foundries	1,164	1,195	1,111	-2.6	7.6	1.1	1,185	1,311	1,020	996	4,522	4,355	3.8
Fabricated metal products	27,424	27,101	26,686	1.2	1.6	1.9	27,386	28,200	24,660	25,542	103,826	101,637	2.2
Machinery	23,604	24,376	23,393	-3.2	4.2	4.8	24,796	27,032	21,912	23,393	93,934	94,896	-1.0
Farm machinery	1,944	1,807	1,886	7.6	-4.2	3.1	2,626	2,261	2,093	2,518	8,641	9,271	-6.8
Construction machinery	2,194	2,120	1,886	3.5	12.4	0.1	2,276	2,383	1,725	1,852	8,068	8,019	0.6
Mining, oil field, and gas field machinery	1,311	1,580	1,523	-17.0	3.7	-2.0	1,169	1,767	1,438	1,533	5,854	7,124	-17.8
Industrial machinery	2,535	2,938	3,090	-13.7	-4.9	43.7	2,599	3,108	2,469	2,412	10,357	9,227	12.2
Photographic equipment	775	793	790	-2.3	0.4	0.5	718	820	668	660	2,816	2,657	6.0
Ventilation, heating, air-conditioning, and refrigeration equipment	2,547	2,496	2,434	2.0	2.5	-7.0	2,344	2,561	1,971	2,515	8,987	9,711	-7.5
Metalworking machinery	1,732	1,722	1,643	0.6	4.8	0.1	1,709	1,958	1,557	1,649	6,709	7,070	-5.1
Turbines, generators, and other power transmission equipment	2,712	3,198	2,458	-15.2	30.1	4.7	2,983	3,414	2,452	2,656	11,115	11,580	-4.0
Material handling equipment	1,563	1,569	1,580	-0.4	-0.7	5.0	1,544	1,782	1,559	1,478	6,256	6,155	1.6
Computers and electronic products[2]	33,339	30,845	31,546	8.1	-2.2	-3.1	33,368	33,168	27,995	28,143	125,339	110,750	13.2
Computers	4,629	4,387	3,907	5.5	12.3	1.5	4,836	4,310	3,320	3,471	16,120	14,332	12.5
Computer storage devices	771	591	719	30.5	-17.8	-5.8	472	884	494	297	2,386	1,779	34.1
Other peripheral equipment	1,021	1,023	876	-0.2	16.8	-14.4	854	1,325	667	787	3,555	3,604	-1.4
Nondefense communications equipment	3,145	3,256	3,139	-3.4	3.7	-2.5	2,460	3,865	2,528	2,382	11,262	10,777	4.5
Defense communications equipment	630	510	498	23.5	2.4	2.5	632	534	498	536	2,114	2,220	-4.8
Audio and video equipment	419	407	403	2.9	1.0	-6.9	339	378	334	282	1,433	1,306	9.7
Semiconductors[2]	NA	4,092	5,021	NA	-18.5	-14.8	NA	3,085	4,316	6,665	NA	NA	NA
Electronic components	3,967	3,811	3,792	4.1	0.5	0.5	3,573	4,172	3,506	3,017	14,609	12,885	13.4
Nondefense search and navigation equipment	1,007	1,107	1,061	-9.0	4.3	-0.5	929	1,284	1,017	937	4,133	4,097	0.9
Defense search and navigation equipment	3,067	3,151	3,140	-2.7	0.4	-3.0	2,927	3,421	3,100	2,992	12,105	11,545	4.9
Electromedical, measuring, and control instruments	8,624	8,053	8,559	7.1	-5.9	2.3	7,855	9,447	7,827	6,283	32,466	27,404	18.5
Electrical equipment, appliances, and components	9,553	9,400	9,147	1.6	2.8	1.3	9,699	10,006	8,456	8,979	36,106	35,192	2.6
Electric lighting equipment	1,180	1,148	1,162	2.8	-1.2	-2.1	1,146	1,204	1,120	1,061	4,518	4,374	3.3
Household appliances	1,786	1,730	1,648	3.2	5.0	-0.1	1,882	1,902	1,440	1,722	6,548	6,259	4.6
Electrical equipment	2,897	2,899	2,786	-0.1	4.1	5.1	2,932	3,258	2,699	2,744	11,310	11,439	-1.1
Batteries	776	774	780	0.3	-0.8	6.7	700	735	645	636	2,701	2,415	11.8
Transportation equipment	48,360	48,269	47,031	0.2	2.6	-8.4	47,064	53,434	44,872	46,198	189,734	184,216	3.0
Automobiles	5,777	5,610	5,292	3.0	6.0	-13.6	5,635	6,063	5,211	4,866	22,702	19,047	19.2
Light trucks and utility vehicles	5,097	5,253	5,127	-3.0	2.5	-15.1	5,035	5,841	4,845	6,047	21,032	25,125	-16.3
Heavy duty trucks	1,644	1,653	1,642	-0.5	0.7	0.5	1,616	1,903	1,618	1,184	6,683	5,166	29.4
Motor vehicle bodies, parts, and trailers	16,684	16,254	15,523	2.6	4.7	-9.4	17,093	17,491	15,136	14,798	65,665	57,438	14.3
Nondefense aircraft and parts	6,961	6,973	6,672	-0.2	4.5	-3.5	6,224	8,442	6,009	7,296	25,625	31,093	-17.6
Defense aircraft and parts	5,631	5,754	5,741	-2.1	0.2	-5.2	5,150	6,225	5,361	4,769	21,512	18,675	15.2
Ships and boats	2,202	2,406	2,188	-8.5	10.0	-2.8	2,198	2,570	2,196	2,366	8,896	8,737	1.8
Furniture and related products	5,494	5,552	5,450	-1.0	1.9	2.3	5,383	5,593	5,395	5,294	21,327	21,549	-1.0
Miscellaneous durable goods	12,666	12,630	12,684	0.3	-0.4	0.4	12,303	13,630	11,882	11,831	49,196	47,336	3.9
Nondurable goods industries	226,298	226,482	219,639	-0.1	3.1	0.4	224,797	230,202	199,983	191,304	855,832	747,555	14.5
Food products	55,142	55,553	55,281	-0.7	0.5	0.7	52,925	56,931	52,556	51,491	214,615	206,136	4.1
Grain and oilseed milling	7,797	8,196	8,150	-4.9	0.6	-4.0	7,117	8,582	7,657	7,196	31,491	29,694	6.1
Dairy products	7,512	7,555	7,450	-0.6	1.4	2.9	7,179	7,669	6,752	6,974	28,587	27,796	2.8
Meat, poultry, and seafood products	15,627	15,624	15,404	0.0	1.4	1.7	15,390	15,701	15,030	14,019	60,650	56,180	8.0
Beverage and tobacco products	10,650	10,445	9,649	2.0	8.2	-2.1	10,633	10,518	8,956	10,025	39,147	38,681	1.2
Beverages	7,626	7,390	7,096	3.2	4.1	-0.1	7,609	7,463	6,403	6,925	27,763	27,031	2.7
Tobacco	3,024	3,055	2,553	-1.0	19.7	-7.2	3,024	3,055	2,553	3,100	11,384	11,650	-2.3
Textile mills	2,345	2,352	2,295	-0.3	2.5	0.7	2,398	2,419	2,239	2,099	9,222	8,179	12.8
Textile products	1,901	1,909	1,873	-0.4	1.9	-1.0	1,945	1,937	1,798	1,854	7,393	7,222	2.4
Apparel	1,291	1,299	1,282	-0.6	1.3	-0.7	1,199	1,292	1,261	1,189	4,870	5,090	-4.3
Leather and allied products	405	400	409	1.3	-2.2	2.8	384	421	438	391	1,571	1,627	-3.4
Paper products	14,111	14,139	13,788	-0.2	2.5	1.2	13,856	14,530	12,938	13,048	54,547	53,056	2.8
Pulp, paper, and paperboard mills	6,565	6,587	6,381	-0.3	3.2	0.0	6,455	6,745	5,981	6,068	25,462	24,572	3.6
Paperboard containers	3,917	3,984	3,872	-1.7	2.9	3.6	3,919	4,141	3,592	3,754	15,238	15,097	0.9
Printing	7,063	7,173	6,953	-1.5	3.2	0.5	7,048	7,458	6,394	7,188	27,423	28,787	-4.7
Petroleum and coal products	57,211	57,660	54,176	-0.8	6.4	-1.6	56,356	54,179	44,700	34,801	202,832	130,061	56.0
Petroleum refineries	54,009	54,486	50,821	-0.9	7.2	-2.3	53,304	51,274	42,127	32,209	192,105	120,172	59.9
Chemical products	60,336	59,817	58,595	0.9	2.1	1.9	62,116	64,266	54,683	54,737	234,291	212,760	10.1
Pesticides, fertilizers, and other agricultural chemicals	3,896	3,745	3,633	4.0	3.1	7.4	5,984	5,577	3,601	3,872	17,864	12,050	48.2
Pharmaceuticals and medicines	15,399	15,446	15,385	-0.3	0.4	0.9	15,271	16,207	14,269	15,899	60,234	63,276	-4.8
Paints, coatings, and adhesives	2,650	2,646	2,516	0.2	5.2	1.9	2,920	2,798	2,299	2,758	10,114	9,815	3.0
Plastics and rubber products	15,843	15,735	15,338	0.7	2.6	1.5	15,937	16,251	14,020	14,481	59,921	55,956	7.1

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

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

Table 2. Value of Manufacturers' New Orders for Industry Groups[1]

[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		
	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Apr. 2009	2010[p]	2009	Percent 2010/ 2009
All manufacturing industries [2]	420,076	415,012	407,985	1.2	1.7	0.4	415,213	436,921	375,744	348,100	1,599,618	1,384,105	15.6
Excluding transportation [2]	369,539	371,374	357,729	-0.5	3.8	1.0	368,255	387,310	329,383	311,545	1,409,601	1,231,564	14.5
Excluding defense [2]	407,193	401,487	394,625	1.4	1.7	0.8	404,197	419,941	362,908	336,584	1,544,249	1,335,970	15.6
With unfilled orders [2]	146,341	141,910	142,729	3.1	-0.6	1.8	142,672	156,869	133,380	112,067	562,232	461,684	21.8
Durable goods industries [2]	193,778	188,530	188,346	2.8	0.1	0.5	190,416	206,719	175,761	156,796	743,786	636,550	16.8
Primary metals	19,812	20,151	19,405	-1.7	3.8	2.2	20,407	21,324	18,602	13,177	78,745	53,900	46.1
Iron and steel mills	9,454	9,567	9,446	-1.2	1.3	2.6	9,712	9,928	9,110	5,456	37,765	23,280	62.2
Aluminum and nonferrous metals	9,172	9,354	8,815	-1.9	6.1	1.7	9,500	10,082	8,419	6,830	36,308	26,737	35.8
Ferrous metal foundries	1,186	1,230	1,144	-3.6	7.5	2.6	1,195	1,314	1,073	891	4,672	3,883	20.3
Fabricated metal products	27,807	27,570	27,106	0.9	1.7	3.9	27,975	29,778	25,631	24,898	107,314	97,043	10.6
Machinery	24,457	26,285	23,690	-7.0	11.0	7.1	26,167	29,470	22,263	21,257	99,247	85,244	16.4
Construction machinery	2,238	2,515	1,622	-11.0	55.1	-4.6	2,364	2,856	1,549	1,115	8,474	4,480	89.2
Mining, oil field, and gas field machinery	1,464	1,658	1,378	-11.7	20.3	-8.7	1,333	1,758	1,288	1,242	5,792	5,731	1.1
Industrial machinery	2,455	3,241	2,865	-24.3	13.1	24.5	2,708	3,324	2,296	1,560	11,244	6,489	73.3
Photographic equipment	784	788	837	-0.5	-5.9	17.7	730	810	734	617	2,889	2,713	6.5
Ventilation, heating, air-conditioning, and refrigeration equipment	2,684	3,120	2,956	-14.0	5.5	0.6	2,695	3,761	2,019	3,205	11,052	11,098	-0.4
Metalworking machinery	1,725	1,722	1,626	0.2	5.9	2.1	1,734	1,886	1,606	1,351	6,802	5,957	14.2
Turbines, generators, and other power transmission equipment	3,035	3,254	2,330	-6.7	39.7	11.6	3,302	3,444	2,373	2,497	11,112	10,923	1.7
Material handling equipment	1,675	1,705	1,669	-1.8	2.2	13.8	1,630	1,959	1,792	1,308	6,737	5,245	28.4
Computers and electronic products [2]	27,743	27,102	25,744	2.4	5.3	-1.1	25,053	31,151	23,574	20,556	102,202	91,131	12.1
Computers	4,494	4,760	3,819	-5.6	24.6	14.2	4,701	4,683	3,232	2,756	15,764	12,847	22.7
Nondefense communications equipment	3,076	2,788	2,954	10.3	-5.6	-7.2	2,642	3,091	2,813	2,547	10,988	11,021	-0.3
Defense communications equipment	565	621	556	-9.0	11.7	-9.6	493	977	513	680	2,557	2,858	-10.5
Semiconductors [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Electronic components	4,129	3,927	3,961	5.1	-0.9	1.0	3,736	4,218	3,880	3,004	15,472	12,719	21.6
Nondefense search and navigation equipment	1,062	1,098	1,036	-3.3	6.0	16.7	927	1,303	1,017	907	4,081	3,749	8.9
Defense search and navigation equipment	3,182	3,064	2,543	3.9	20.5	-13.7	2,909	3,824	2,662	2,865	11,787	12,791	-7.8
Electromedical, measuring, and control instruments	8,565	8,366	8,446	2.4	-0.9	-0.4	7,573	10,005	7,574	5,937	32,543	26,543	22.6
Electrical equipment, appliances, and components	9,604	10,395	9,163	-7.6	13.4	-1.8	9,856	10,858	8,933	8,531	38,559	34,418	12.0
Electric lighting equipment	1,201	1,246	1,003	-3.6	24.2	-10.4	1,188	1,337	1,016	911	4,569	4,336	5.4
Household appliances	1,776	1,740	1,627	2.1	6.9	-3.5	1,858	1,857	1,473	1,732	6,684	6,383	4.7
Electrical equipment	3,022	3,326	2,906	-9.1	14.5	-1.2	3,187	3,572	3,022	2,767	12,741	10,526	21.0
Transportation equipment	50,537	43,638	50,256	15.8	-13.2	-3.7	46,958	49,611	46,361	36,555	190,017	152,541	24.6
Motor vehicle bodies, parts, and trailers	16,573	16,133	15,364	2.7	5.0	-9.6	17,050	17,123	15,050	14,671	65,320	56,903	14.8
Nondefense aircraft and parts	10,541	3,213	11,135	228.1	-71.1	51.1	8,279	4,609	8,758	-94	26,550	7,167	270.4
Defense aircraft and parts	5,257	5,501	5,425	-4.4	1.4	-20.3	4,409	6,444	5,136	4,465	22,587	19,326	16.9
Ships and boats	1,909	2,097	2,445	-9.0	-14.2	32.9	1,593	2,262	2,631	1,676	8,826	6,311	39.9
Furniture and related products	5,527	5,595	5,573	-1.2	0.4	3.0	5,660	5,949	5,649	5,523	22,312	22,154	0.7
Nondurable goods industries	226,298	226,482	219,639	-0.1	3.1	0.4	224,797	230,202	199,983	191,304	855,832	747,555	14.5

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. For further details on survey design, methodology, and data limitations see <http://www.census.gov/manufacturing/m3/>.

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups[1]

[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
	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Apr. 2009	Apr. 10/09
All manufacturing industries [2]	801,228	797,869	798,552	0.4	-0.1	0.5	808,343	806,457	803,751	840,603	-3.8
Excluding transportation [2]	321,204	320,022	316,074	0.4	1.2	0.3	325,103	323,111	316,582	322,319	0.9
Excluding defense [2]	648,341	644,508	645,018	0.6	-0.1	0.7	652,137	648,679	648,120	672,822	-3.1
Durable goods industries [2]	801,228	797,869	798,552	0.4	-0.1	0.5	808,343	806,457	803,751	840,603	-3.8
Primary metals	18,332	18,509	18,352	-1.0	0.9	2.9	18,599	18,805	18,594	15,617	19.1
Iron and steel mills	10,289	10,527	10,581	-2.3	-0.5	4.0	10,413	10,590	10,711	8,031	29.7
Aluminum and nonferrous metals	6,073	6,034	5,858	0.6	3.0	1.4	6,193	6,232	5,903	5,635	9.9
Ferrous metal foundries	1,970	1,948	1,913	1.1	1.8	1.8	1,993	1,983	1,980	1,951	2.2
Fabricated metal products	54,553	54,170	53,701	0.7	0.9	0.8	55,562	54,973	53,395	57,519	-3.4
Machinery	91,501	90,648	88,739	0.9	2.2	0.3	92,479	91,108	88,670	90,806	1.8
Construction machinery	9,506	9,462	9,067	0.5	4.4	-2.8	9,822	9,734	9,261	11,680	-15.9
Mining, oil field, and gas field machinery	6,046	5,893	5,815	2.6	1.3	-2.4	6,002	5,838	5,847	7,451	-19.4
Industrial machinery	11,572	11,652	11,349	-0.7	2.7	-1.9	11,878	11,769	11,553	11,876	0.0
Photographic equipment	2,479	2,470	2,475	0.4	-0.2	1.9	2,508	2,496	2,506	2,516	-0.3
Ventilation, heating, air-conditioning, and refrigeration equipment	20,506	20,369	19,745	0.7	3.2	2.7	20,373	20,022	18,822	15,828	28.7
Metalworking machinery	6,412	6,419	6,419	-0.1	0.0	-0.3	6,456	6,431	6,503	6,620	-2.5
Turbines, generators, and other power transmission equipment	12,710	12,387	12,331	2.6	0.5	-1.0	12,810	12,491	12,461	12,801	0.1
Material handling equipment	7,245	7,133	6,997	1.6	1.9	1.3	7,380	7,294	7,117	7,396	-0.2
Computers and electronic products [2]	120,651	120,647	120,298	0.0	0.3	-0.6	121,892	122,123	121,055	124,113	-1.8
Computers	5,015	5,150	4,777	-2.6	7.8	-1.8	5,015	5,150	4,777	4,033	24.3
Nondefense communications equipment	22,298	22,367	22,835	-0.3	-2.0	-0.8	22,505	22,323	23,097	22,491	0.1
Defense communications equipment	6,251	6,316	6,205	-1.0	1.8	0.9	6,438	6,577	6,134	6,903	-6.7
Semiconductors [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Electronic components	11,514	11,352	11,236	1.4	1.0	1.5	11,556	11,393	11,347	9,680	19.4
Nondefense search and navigation equipment	8,273	8,218	8,227	0.7	-0.1	-0.3	8,322	8,324	8,305	9,508	-12.5
Defense search and navigation equipment	38,611	38,496	38,583	0.3	-0.2	-1.5	39,268	39,286	38,883	42,420	-7.4
Electromedical, measuring, and control instruments	28,689	28,748	28,435	-0.2	1.1	-0.4	28,788	29,070	28,512	29,078	-1.0
Electrical equipment, appliances, and components	23,334	23,283	22,288	0.2	4.5	0.1	23,554	23,397	22,545	22,515	4.6
Electric lighting equipment	2,187	2,166	2,068	1.0	4.7	-7.1	2,176	2,134	2,001	2,270	-4.1
Household appliances	512	522	512	-1.9	2.0	-3.9	526	550	595	450	16.9
Electrical equipment	14,926	14,801	14,374	0.8	3.0	0.8	14,991	14,736	14,422	14,393	4.2
Transportation equipment	480,024	477,847	482,478	0.5	-1.0	0.7	483,240	483,346	487,169	518,284	-6.8
Motor vehicle bodies, parts, and trailers	14,126	14,237	14,358	-0.8	-0.8	-1.1	14,303	14,346	14,714	15,693	-8.9
Nondefense aircraft and parts	323,670	320,090	323,850	1.1	-1.2	1.4	324,490	322,435	326,268	342,092	-5.1
Defense aircraft and parts	47,813	48,187	48,440	-0.8	-0.5	-0.6	48,823	49,564	49,345	51,684	-5.5
Ships and boats	17,873	18,166	18,475	-1.6	-1.7	1.4	18,308	18,913	19,221	22,933	-20.2
Furniture and related products	6,691	6,658	6,615	0.5	0.7	1.9	6,875	6,598	6,242	6,727	2.2

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] Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data.

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

Table 4. Value of Manufacturers' Inventories for Industry Groups[1]

[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
	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Apr. 2009	Apr. 10/09
All manufacturing industries	521,683	519,045	516,707	0.5	0.5	1.0	521,995	517,238	517,249	531,080	-1.7
Excluding transportation	443,370	440,997	439,161	0.5	0.4	0.9	442,346	439,307	439,133	449,850	-1.7
Excluding defense	498,422	495,465	493,044	0.6	0.5	1.0	498,637	493,599	493,534	507,762	-1.8
With unfilled orders	244,928	242,715	240,987	0.9	0.7	0.7	246,697	242,092	243,262	257,924	-4.4
Durable goods industries	301,448	299,463	297,545	0.7	0.6	0.7	303,722	299,195	300,856	320,567	-5.3
Wood products	8,785	8,849	8,791	-0.7	0.7	1.3	8,679	8,975	8,994	9,225	-5.9
Nonmetallic mineral products	11,144	11,266	11,230	-1.1	0.3	-0.2	11,432	11,569	11,476	12,780	-10.5
Primary metals	29,898	28,673	28,006	4.3	2.4	1.7	29,683	28,192	27,930	29,105	2.0
Iron and steel mills	17,600	16,635	15,997	5.8	4.0	2.5	17,300	16,204	15,916	17,369	-0.4
Aluminum and nonferrous metals	10,540	10,316	10,270	2.2	0.4	0.7	10,597	10,243	10,208	9,755	8.6
Ferrous metal foundries	1,758	1,722	1,739	2.1	-1.0	1.5	1,786	1,745	1,806	1,981	-9.8
Fabricated metal products	40,984	40,617	40,061	0.9	1.4	1.0	41,135	40,825	40,539	43,463	-5.4
Machinery	49,377	49,343	49,335	0.1	0.0	-0.4	49,833	49,869	50,357	55,660	-10.5
Farm machinery	2,319	2,293	2,262	1.1	1.4	-0.9	2,417	2,527	2,516	2,963	-18.4
Construction machinery	4,705	4,639	4,702	1.4	-1.3	-0.2	4,814	4,728	4,803	5,314	-9.4
Mining, oil field, and gas field machinery	5,551	5,643	5,636	-1.6	0.1	-0.6	5,617	5,674	5,653	6,255	-10.2
Industrial machinery	6,522	6,455	6,416	1.0	0.6	0.5	6,511	6,507	6,487	6,993	-6.9
Photographic equipment	1,448	1,474	1,519	-1.8	-3.0	0.3	1,451	1,453	1,535	1,556	-6.7
Ventilation, heating, air-conditioning, and refrigeration equipment	3,428	3,436	3,342	-0.2	2.8	-3.4	3,565	3,484	3,392	4,185	-14.8
Metalworking machinery	3,907	3,880	3,859	0.7	0.5	-0.2	3,928	3,882	3,877	4,708	-16.6
Turbines, generators, and other power transmission equipment	5,971	5,903	5,977	1.2	-1.2	-0.3	5,899	5,750	6,145	6,795	-13.2
Material handling equipment	2,921	2,921	2,930	0.0	-0.3	-1.2	2,953	2,939	2,978	3,343	-11.7
Computers and electronic products[2]	43,313	43,163	43,134	0.3	0.1	0.3	43,362	42,445	43,718	45,981	-5.7
Computers	2,089	2,046	2,132	2.1	-4.0	1.2	1,964	2,032	2,153	1,953	0.6
Computer storage devices	994	1,003	995	-0.9	0.8	-0.8	1,057	950	1,019	1,140	-7.3
Other peripheral equipment	1,424	1,437	1,442	-0.9	-0.3	1.1	1,462	1,387	1,455	1,639	-10.8
Nondefense communications equipment	5,483	5,352	5,851	2.4	-8.5	1.4	5,528	5,261	6,054	6,840	-19.2
Defense communications equipment	2,001	2,050	1,961	-2.4	4.5	2.7	2,001	2,050	1,961	1,653	21.1
Audio and video equipment	395	404	382	-2.2	5.8	0.3	349	363	359	675	-48.3
Semiconductors[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Electronic components	7,019	6,977	6,713	0.6	3.9	-1.6	7,077	6,806	6,801	6,856	3.2
Nondefense search and navigation equipment	3,795	3,768	3,755	0.7	0.3	1.8	3,758	3,711	3,711	3,599	4.4
Defense search and navigation equipment	3,679	3,649	3,647	0.8	0.1	4.5	3,726	3,641	3,693	3,321	12.2
Electromedical, measuring and control instruments	11,500	11,517	11,420	-0.1	0.8	-1.0	11,556	11,359	11,599	12,119	-4.6
Electrical equipment, appliances, and components	13,577	13,580	13,507	0.0	0.5	0.2	13,864	13,737	13,741	15,083	-8.1
Electric lighting equipment	1,580	1,563	1,531	1.1	2.1	-1.3	1,617	1,563	1,537	1,750	-7.6
Household appliances	2,108	2,168	2,178	-2.8	-0.5	0.6	2,183	2,171	2,217	2,297	-5.0
Electrical equipment	4,320	4,260	4,208	1.4	1.2	1.2	4,409	4,381	4,400	4,762	-7.4
Batteries	965	952	948	1.4	0.4	0.3	985	952	922	1,055	-6.6
Transportation equipment	78,313	78,048	77,546	0.3	0.6	1.5	79,649	77,931	78,116	81,230	-1.9
Automobiles	1,535	1,511	1,527	1.6	-1.0	31.3	1,654	1,518	1,643	1,576	4.9
Light trucks and utility vehicles	1,748	1,817	1,735	-3.8	4.7	3.7	1,855	1,849	1,692	1,696	9.4
Heavy duty trucks	1,295	1,318	1,393	-1.7	-5.4	-2.8	1,255	1,282	1,394	1,319	-4.9
Motor vehicle bodies, parts, and trailers	15,397	15,220	15,071	1.2	1.0	6.4	15,749	15,369	15,405	16,006	-1.6
Nondefense aircraft and parts	35,473	34,914	34,381	1.6	1.6	0.6	36,108	34,691	34,477	35,598	1.4
Defense aircraft and parts	12,198	12,271	12,382	-0.6	-0.9	1.2	12,190	12,204	12,310	12,094	0.8
Ships and boats	3,490	3,364	3,268	3.7	2.9	-2.7	3,553	3,486	3,374	3,629	-2.1
Furniture and related products	6,062	5,981	5,954	1.4	0.5	0.1	6,069	5,917	5,945	6,745	-10.0
Miscellaneous durable goods	19,995	19,943	19,981	0.3	-0.2	0.2	20,016	19,735	20,040	21,295	-6.0
Nondurable goods industries	220,235	219,582	219,162	0.3	0.2	1.5	218,273	218,043	216,393	210,513	3.7
Food products	40,518	40,411	40,635	0.3	-0.6	0.0	39,560	39,516	40,465	39,569	0.0
Grain and oilseed milling	5,093	5,280	5,480	-3.5	-3.6	1.7	5,004	5,288	5,497	4,825	3.7
Dairy products	5,311	5,272	5,249	0.7	0.4	0.3	5,497	5,262	5,230	5,320	3.3
Meat, poultry, and seafood products	7,972	7,885	7,851	1.1	0.4	0.8	7,964	7,796	7,797	7,671	3.8
Beverage and tobacco products	15,575	15,669	15,799	-0.6	-0.8	-0.2	15,666	15,925	16,123	16,273	-3.7
Beverages	11,880	11,942	12,048	-0.5	-0.9	-0.2	11,942	12,072	12,208	12,521	-4.6
Tobacco	3,695	3,727	3,751	-0.9	-0.6	-0.1	3,724	3,853	3,915	3,752	-0.7
Textile mills	2,986	3,000	2,996	-0.5	0.1	0.5	3,025	3,005	3,026	3,460	-12.6
Textile products	2,867	2,834	2,802	1.2	1.1	0.5	2,873	2,807	2,810	2,896	-0.8
Apparel	2,354	2,379	2,393	-1.1	-0.6	0.2	2,312	2,305	2,356	2,606	-11.3
Leather and allied products	857	863	861	-0.7	0.2	0.1	837	841	858	947	-11.6
Paper products	13,988	13,856	13,854	1.0	0.0	-0.2	14,004	13,894	14,023	14,713	-4.8
Pulp, paper, and paperboard mills	5,878	5,766	5,859	1.9	-1.6	-0.6	5,859	5,785	5,956	6,356	-7.8
Paperboard containers	3,811	3,808	3,695	0.1	3.1	-0.3	3,838	3,832	3,756	4,065	-5.6
Printing	5,369	5,366	5,422	0.1	-1.0	0.1	5,297	5,326	5,380	5,843	-9.3
Petroleum and coal products	47,170	47,062	47,430	0.2	-0.8	6.5	45,858	45,737	43,463	33,667	36.2
Petroleum refineries	44,590	44,540	44,947	0.1	-0.9	6.9	43,163	43,151	40,951	30,759	40.3
Chemical products	69,382	69,182	68,318	0.3	1.3	0.0	69,529	69,440	68,922	71,191	-2.3
Pesticides, fertilizers, and other agricultural chemicals	4,282	4,263	4,243	0.4	0.5	0.4	4,358	4,714	4,815	4,465	-2.4
Pharmaceuticals and medicines	24,574	24,836	24,933	-1.1	-0.4	0.2	24,477	24,659	24,733	27,766	-11.8
Paints, coatings, and adhesives	3,159	3,147	3,122	0.4	0.8	0.8	3,229	3,246	3,238	3,287	-1.8
Plastics and rubber products	19,169	18,960	18,652	1.1	1.7	1.5	19,312	19,247	18,967	19,348	-0.2

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] Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable agregates totals, but are not shown separately.

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

Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series[1, 2]

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		Percent Change[6] 2010/ 2009
	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Apr. 2009	2010[p]	2009	
SHIPMENTS													
All manufacturing industries	422,317	419,787	408,967	0.6	2.6	-0.5	421,411	437,300	375,468	369,222	1,607,481	1,455,039	10.5
Construction materials and supplies	41,525	40,757	39,838	1.9	2.3	1.1	41,695	41,044	35,080	38,874	151,311	148,481	1.9
Information technology	27,461	26,584	26,294	3.3	1.1	-0.7	25,468	29,638	23,393	21,937	101,055	92,340	9.4
Computers and related products	6,421	6,001	5,502	7.0	9.1	-2.4	6,162	6,519	4,481	4,555	22,061	19,715	11.9
Motor vehicle and parts	29,202	28,770	27,584	1.5	4.3	-10.8	29,379	31,298	26,810	26,895	116,082	106,776	8.7
Capital goods	72,926	73,321	71,944	-0.5	1.9	0.6	71,088	81,476	66,710	66,751	281,393	273,535	2.9
Nondefense capital goods[3]	62,242	62,245	60,703	0.0	2.5	1.6	60,877	69,534	55,654	56,449	238,331	234,060	1.8
Excluding aircraft	58,121	58,121	56,832	0.0	2.3	2.3	57,242	64,403	52,247	51,784	223,628	214,576	4.2
Defense capital goods[4]	10,684	11,076	11,241	-3.5	-1.5	-4.5	10,211	11,942	11,056	10,302	43,062	39,475	9.1
Consumer goods	174,060	174,664	168,951	-0.3	3.4	-1.4	170,685	176,223	154,165	146,671	658,102	577,335	14.0
Consumer durable goods	23,884	23,798	23,168	0.4	2.7	-6.2	23,848	25,989	22,313	23,207	94,191	92,613	1.7
Consumer nondurable goods	150,176	150,866	145,783	-0.5	3.5	-0.6	146,837	150,234	131,852	123,464	563,911	484,722	16.3
NEW ORDERS													
All manufacturing industries[5]	420,076	415,012	407,985	1.2	1.7	0.4	415,213	436,921	375,744	348,100	1,599,618	1,384,105	15.6
Construction materials and supplies	41,839	41,583	40,298	0.6	3.2	1.7	42,489	43,033	35,280	38,833	154,737	145,692	6.2
Information technology	27,227	27,272	25,467	-0.2	7.1	-0.8	24,970	31,100	23,205	20,654	101,483	91,883	10.4
Computers and related products	6,286	6,374	5,414	-1.4	17.7	5.5	6,027	6,892	4,393	3,840	21,705	18,230	19.1
Motor vehicle and parts	29,091	28,649	27,425	1.5	4.5	-10.9	29,336	30,930	26,724	26,768	115,737	106,241	8.9
Capital goods	76,481	71,570	75,907	6.9	-5.7	6.9	72,920	81,849	70,125	53,954	289,370	231,798	24.8
Nondefense capital goods[3]	65,986	60,600	64,937	8.9	-6.7	9.0	63,823	68,022	59,468	44,628	244,482	192,602	26.9
Excluding aircraft	58,392	59,980	56,233	-2.6	6.7	3.0	58,071	66,600	53,321	47,172	228,631	199,003	14.9
Defense capital goods[4]	10,495	10,970	10,970	-4.3	0.0	-4.3	9,097	13,827	10,657	9,326	44,888	39,196	14.5
Consumer goods	174,051	174,745	169,205	-0.4	3.3	-1.4	170,681	176,343	154,559	146,621	659,201	576,775	14.3
Consumer durable goods	23,875	23,879	23,422	0.0	2.0	-6.4	23,844	26,109	22,707	23,157	95,290	92,053	3.5
Consumer nondurable goods	150,176	150,866	145,783	-0.5	3.5	-0.6	146,837	150,234	131,852	123,464	563,911	484,722	16.3
UNFILLED ORDERS													
All manufacturing industries[5]	801,228	797,869	798,552	0.4	-0.1	0.5	808,343	806,457	803,751	840,603	(X)	(X)	-3.8
Construction materials and supplies	53,366	53,052	52,226	0.6	1.6	0.9	53,671	52,877	50,888	51,052	(X)	(X)	5.1
Information technology	117,325	117,559	116,871	-0.2	0.6	-0.7	118,705	119,203	117,741	122,351	(X)	(X)	-3.0
Computers and related products	5,015	5,150	4,777	-2.6	7.8	-1.8	5,015	5,150	4,777	4,033	(X)	(X)	24.3
Motor vehicle and parts	14,126	14,237	14,358	-0.8	-0.8	-1.1	14,303	14,346	14,714	15,693	(X)	(X)	-8.9
Capital goods	623,024	619,469	621,220	0.6	-0.3	0.6	628,429	626,597	626,224	663,728	(X)	(X)	-5.3
Nondefense capital goods[3]	483,788	480,044	481,689	0.8	-0.3	0.9	486,320	483,374	484,886	510,337	(X)	(X)	-4.7
Excluding aircraft	189,791	189,520	187,661	0.1	1.0	-0.3	191,865	191,036	188,839	198,293	(X)	(X)	-3.2
Defense capital goods[4]	139,236	139,425	139,531	-0.1	-0.1	-0.2	142,109	143,223	141,338	153,391	(X)	(X)	-7.4
Consumer goods	8,954	8,963	8,882	-0.1	0.9	2.9	9,116	9,120	9,000	7,543	(X)	(X)	20.9
Consumer durable goods	8,954	8,963	8,882	-0.1	0.9	2.9	9,116	9,120	9,000	7,543	(X)	(X)	20.9
TOTAL INVENTORIES													
All manufacturing industries	521,683	519,045	516,707	0.5	0.5	1.0	521,995	517,238	517,249	531,080	(X)	(X)	-1.7
Construction materials and supplies	54,196	53,980	53,231	0.4	1.4	0.2	54,591	54,593	54,183	58,307	(X)	(X)	-6.4
Information technology	37,735	37,666	38,073	0.2	-1.1	0.7	37,829	37,183	38,517	40,073	(X)	(X)	-5.6
Computers and related products	4,507	4,486	4,569	0.5	-1.8	0.7	4,483	4,369	4,627	4,732	(X)	(X)	-5.3
Motor vehicle and parts	19,975	19,866	19,726	0.5	0.7	7.0	20,513	20,018	20,134	20,597	(X)	(X)	-0.4
Capital goods	143,023	142,272	142,478	0.5	-0.1	0.3	144,298	142,175	144,104	152,621	(X)	(X)	-5.5
Nondefense capital goods[3]	125,037	124,055	124,254	0.8	-0.2	0.2	126,207	123,832	125,756	134,587	(X)	(X)	-6.2
Excluding aircraft	97,735	97,419	97,997	0.3	-0.6	0.1	98,359	97,285	99,414	107,307	(X)	(X)	-8.3
Defense capital goods[4]	17,986	18,217	18,224	-1.3	0.0	0.8	18,091	18,343	18,348	18,034	(X)	(X)	0.3
Consumer goods	164,051	164,179	165,048	-0.1	-0.5	2.1	161,761	161,779	161,518	156,450	(X)	(X)	3.4
Consumer durable goods	21,298	21,371	21,285	-0.3	0.4	1.9	21,504	21,325	21,710	23,749	(X)	(X)	-9.5
Consumer nondurable goods	142,753	142,808	143,763	0.0	-0.7	2.1	140,257	140,454	139,808	132,701	(X)	(X)	5.7

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 Group[1]

[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
	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2010[p]	Mar. 2010[r]	Feb. 2010	Apr. 2009	Apr. 10/09
MATERIALS AND SUPPLIES											
All manufacturing industries	176,077	176,385	175,695	-0.2	0.4	1.5	175,502	175,689	175,758	181,028	-3.1
Durable goods industries	103,362	102,888	102,277	0.5	0.6	0.8	103,342	102,403	103,142	113,227	-8.7
Wood products	3,113	3,185	3,177	-2.3	0.3	0.8	2,900	3,121	3,252	3,344	-13.3
Nonmetallic mineral products	4,573	4,613	4,541	-0.9	1.6	0.0	4,598	4,636	4,555	5,101	-9.9
Primary metals	11,521	11,099	10,886	3.8	2.0	1.2	11,257	10,705	10,724	13,225	-14.9
Fabricated metal products	15,199	15,104	14,734	0.6	2.5	1.1	15,042	15,040	14,806	16,278	-7.6
Machinery	19,219	19,199	19,149	0.1	0.3	-0.1	19,340	19,238	19,237	21,842	-11.5
Computers and electronic products	14,462	14,295	14,271	1.2	0.2	-2.2	14,421	14,051	14,454	16,264	-11.3
Electrical equipment, appliances, and components	5,487	5,421	5,278	1.2	2.7	1.5	5,574	5,506	5,361	5,961	-6.5
Transportation equipment	20,229	20,403	20,654	-0.9	-1.2	4.4	20,625	20,580	21,136	21,027	-1.9
Furniture and related products	2,962	2,900	2,903	2.1	-0.1	0.1	2,981	2,905	2,925	3,105	-4.0
Miscellaneous products	6,597	6,669	6,684	-1.1	-0.2	-1.1	6,604	6,621	6,692	7,080	-6.7
Nondurable goods industries	72,715	73,497	73,418	-1.1	0.1	2.5	72,160	73,286	72,616	67,801	6.4
Food products	13,806	13,986	14,304	-1.3	-2.2	-0.8	13,800	13,951	14,296	14,083	-2.0
Beverage and tobacco products	4,288	4,313	4,292	-0.6	0.5	-0.1	4,302	4,397	4,410	4,323	-0.5
Textiles	1,105	1,112	1,096	-0.6	1.5	2.9	1,120	1,111	1,094	1,158	-3.3
Textile products	1,166	1,140	1,124	2.3	1.4	0.5	1,165	1,124	1,110	1,182	-1.4
Apparel	617	609	598	1.3	1.8	0.2	619	603	596	674	-8.2
Leather and allied products	323	321	319	0.6	0.6	1.3	318	311	318	334	-4.8
Paper products	6,926	6,854	6,722	1.1	2.0	-0.4	6,889	6,848	6,769	7,144	-3.6
Printing	2,279	2,259	2,293	0.9	-1.5	1.1	2,237	2,263	2,273	2,511	-10.9
Petroleum and coal products	11,891	12,924	13,163	-8.0	-1.8	11.8	11,651	12,721	12,013	8,352	39.5
Chemical products	22,238	22,043	21,792	0.9	1.2	1.3	22,077	22,034	21,972	20,622	7.1
Plastics and rubber products	8,076	7,936	7,715	1.8	2.9	2.4	7,982	7,923	7,765	7,418	7.6
WORK IN PROCESS											
All manufacturing industries	157,537	155,685	154,600	1.2	0.7	1.4	157,973	155,101	154,752	154,106	2.5
Durable goods industries	110,641	109,211	108,468	1.3	0.7	1.0	111,523	108,592	109,208	110,946	0.5
Wood products	1,688	1,671	1,621	1.0	3.1	0.5	1,703	1,679	1,607	1,625	4.8
Nonmetallic mineral products	1,282	1,309	1,328	-2.1	-1.4	1.1	1,356	1,384	1,383	1,504	-9.8
Primary metals	8,882	8,479	8,359	4.8	1.4	1.8	8,776	8,274	8,268	7,620	15.2
Fabricated metal products	11,492	11,282	11,133	1.9	1.3	1.7	11,464	11,206	11,221	11,522	-0.5
Machinery	13,924	13,846	13,894	0.6	-0.3	0.1	13,995	13,848	14,122	15,018	-6.8
Computers and electronic products	19,373	19,326	19,373	0.2	-0.2	1.6	19,496	19,048	19,670	19,621	-0.6
Electrical equipment, appliances, and components	3,036	3,023	3,031	0.4	-0.3	0.3	3,113	3,042	3,067	3,334	-6.6
Transportation equipment	46,863	46,217	45,738	1.4	1.0	0.8	47,482	46,064	45,851	46,490	2.1
Furniture and related products	988	992	967	-0.4	2.6	1.6	994	994	974	1,132	-12.2
Miscellaneous products	3,113	3,066	3,024	1.5	1.4	1.8	3,144	3,053	3,045	3,080	2.1
Nondurable goods industries	46,896	46,474	46,132	0.9	0.7	2.3	46,450	46,509	45,544	43,160	7.6
Food products	3,546	3,590	3,695	-1.2	-2.8	-0.1	3,279	3,496	3,743	3,355	-2.3
Beverage and tobacco products	5,684	5,735	5,780	-0.9	-0.8	-0.3	5,612	5,842	5,995	5,768	-2.7
Textiles	667	656	654	1.7	0.3	-1.1	667	652	654	718	-7.1
Textile products	494	488	484	1.2	0.8	0.0	495	482	487	481	2.9
Apparel	326	323	329	0.9	-1.8	-0.3	328	312	322	356	-7.9
Leather and allied products	69	69	71	0.0	-2.8	-6.6	73	75	77	77	-5.2
Paper products	1,366	1,327	1,346	2.9	-1.4	-0.6	1,360	1,328	1,352	1,427	-4.7
Printing	1,354	1,367	1,406	-1.0	-2.8	0.6	1,322	1,347	1,441	1,402	-5.7
Petroleum and coal products	14,986	14,385	14,007	4.2	2.7	8.7	14,946	14,586	13,209	9,390	59.2
Chemical products	16,228	16,399	16,261	-1.0	0.8	-0.2	16,155	16,201	16,096	17,979	-10.1
Plastics and rubber products	2,176	2,135	2,099	1.9	1.7	-0.2	2,213	2,188	2,168	2,207	0.3
FINISHED GOODS											
All manufacturing industries	188,069	186,975	186,412	0.6	0.3	0.3	188,520	186,448	186,739	195,946	-3.8
Durable goods industries	87,445	87,364	86,800	0.1	0.6	0.2	88,857	88,200	88,506	96,394	-7.8
Wood products	3,984	3,993	3,993	-0.2	0.0	2.0	4,076	4,175	4,135	4,256	-4.2
Nonmetallic mineral products	5,289	5,344	5,361	-1.0	-0.3	-0.7	5,478	5,549	5,538	6,175	-11.3
Primary metals	9,495	9,095	8,761	4.4	3.8	2.4	9,650	9,213	8,938	8,260	16.8
Fabricated metal products	14,293	14,231	14,194	0.4	0.3	0.3	14,629	14,579	14,512	15,663	-6.6
Machinery	16,234	16,298	16,292	-0.4	0.0	-1.2	16,498	16,783	16,998	18,800	-12.2
Computers and electronic products	9,478	9,542	9,490	-0.7	0.5	1.4	9,445	9,346	9,594	10,096	-6.4
Electrical equipment, appliances, and components	5,054	5,136	5,198	-1.6	-1.2	-1.1	5,177	5,189	5,313	5,788	-10.6
Transportation equipment	11,221	11,428	11,154	-1.8	2.5	-0.6	11,542	11,287	11,129	13,713	-15.8
Furniture and related products	2,112	2,089	2,084	1.1	0.2	-0.6	2,094	2,018	2,046	2,508	-16.5
Miscellaneous products	10,285	10,208	10,273	0.8	-0.6	0.5	10,268	10,061	10,303	11,135	-7.8
Nondurable goods industries	100,624	99,611	99,612	1.0	0.0	0.4	99,663	98,248	98,233	99,552	0.1
Food products	23,166	22,835	22,636	1.4	0.9	0.5	22,481	22,069	22,426	22,131	1.6
Beverage and tobacco products	5,603	5,621	5,727	-0.3	-1.9	-0.2	5,752	5,686	5,718	6,182	-7.0
Textiles	1,214	1,232	1,246	-1.5	-1.1	-0.8	1,238	1,242	1,278	1,584	-21.8
Textile products	1,207	1,206	1,194	0.1	1.0	0.6	1,213	1,201	1,213	1,233	-1.6
Apparel	1,411	1,447	1,466	-2.5	-1.3	0.3	1,365	1,390	1,438	1,576	-13.4
Leather and allied products	465	473	471	-1.7	0.4	0.4	446	455	463	536	-16.8
Paper products	5,696	5,675	5,786	0.4	-1.9	0.2	5,755	5,718	5,902	6,142	-6.3
Printing	1,736	1,740	1,723	-0.2	1.0	-1.6	1,738	1,716	1,666	1,930	-9.9
Petroleum and coal products	20,293	19,753	20,260	2.7	-2.5	2.0	19,261	18,430	18,241	15,925	20.9
Chemical products	30,916	30,740	30,265	0.6	1.6	-0.7	31,297	31,205	30,854	32,590	-4.0
Plastics and rubber products	8,917	8,889	8,838	0.3	0.6	1.1	9,117	9,136	9,034	9,723	-6.2

[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 Group[3]

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio[1]			
	Apr 2010[P]	Mar 2010[r]	Feb 2010	Jan 2010	Apr 2010[P]	Mar 2010[r]	Feb 2010	Jan 2010
All manufacturing industries[2]	1.24	1.24	1.26	1.24	(X)	(X)	(X)	(X)
Durable goods industries[2]	1.54	1.55	1.57	1.54	5.60	5.60	5.76	5.72
Wood products	1.20	1.27	1.31	1.31	(X)	(X)	(X)	(X)
Nonmetallic mineral products	1.34	1.38	1.44	1.43	(X)	(X)	(X)	(X)
Primary metals	1.50	1.43	1.48	1.50	0.92	0.93	0.97	0.97
Fabricated metal products	1.49	1.50	1.50	1.51	2.05	2.06	2.08	2.10
Machinery	2.09	2.02	2.11	2.22	4.36	4.14	4.27	4.47
Computers and electronic products[2]	1.30	1.40	1.37	1.32	4.81	4.97	4.99	5.04
Electrical equipment, appliances, and components	1.42	1.44	1.48	1.49	2.66	2.70	2.66	2.68
Transportation equipment	1.62	1.62	1.65	1.49	13.39	13.37	13.80	12.77
Furniture and related products	1.10	1.08	1.09	1.12	1.40	1.39	1.42	1.40
Miscellaneous products	1.58	1.58	1.58	1.58	(X)	(X)	(X)	(X)
Nondurable goods industries	0.97	0.97	1.00	0.99	(X)	(X)	(X)	(X)
Food products	0.73	0.73	0.74	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products	1.46	1.50	1.64	1.61	(X)	(X)	(X)	(X)
Textiles	1.27	1.28	1.31	1.31	(X)	(X)	(X)	(X)
Textile products	1.51	1.48	1.50	1.47	(X)	(X)	(X)	(X)
Apparel	1.82	1.83	1.87	1.85	(X)	(X)	(X)	(X)
Leather and allied products	2.12	2.16	2.11	2.16	(X)	(X)	(X)	(X)
Paper products	0.99	0.98	1.00	1.02	(X)	(X)	(X)	(X)
Printing	0.76	0.75	0.78	0.78	(X)	(X)	(X)	(X)
Petroleum and coal products	0.82	0.82	0.88	0.81	(X)	(X)	(X)	(X)
Chemical products	1.15	1.16	1.17	1.19	(X)	(X)	(X)	(X)
Plastics and rubber products	1.21	1.20	1.22	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 Changes[3]

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Apr[1] 2010	Apr[2] 2009-Mar 2010	Apr[1] 2010	Apr[2] 2009-Mar 2010	Apr[1] 2010	Apr[2] 2009-Mar 2010	Apr[1] 2010	Apr[2] 2009-Mar 2010
All manufacturing industries	(X)	0.3	(X)	0.4	(X)	0.1	(X)	0.2
Durable goods industries	0.0	0.4	-0.1	0.6	0.0	0.1	0.0	0.2
Wood products	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.6
Nonmetallic mineral products	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals	0.2	0.7	0.3	1.2	0.3	0.6	0.1	0.3
Fabricated metal products	0.1	0.5	0.3	0.7	0.1	0.2	0.2	0.2
Machinery	-0.2	0.6	-1.1	1.1	-0.2	0.1	0.0	0.3
Computers and electronic products	0.0	0.9	0.2	1.2	0.0	0.2	-0.4	0.3
Electrical equipment, appliances, and components	-0.3	0.6	-0.7	1.4	-0.2	0.5	-0.1	0.4
Transportation equipment	0.0	1.1	-0.3	1.3	0.0	0.1	0.1	0.3
Furniture and related products	(X)	0.5	(X)	1.5	(X)	0.9	(X)	0.4
Miscellaneous products	(X)	0.4	(X)	0.4	(X)	0.3	(X)	0.2
Nondurable goods industries	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.8
Textile products	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products	(X)	1.6	(X)	(NA)	(X)	(NA)	(X)	0.8
Paper products	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.9
Petroleum and coal products	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	1.4
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 65 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 4,300 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 4,300 companies would yield different results. The M3 panel is comprised of companies with $500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections in the data 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.