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

Summary. New orders for manufactured goods in April, down two of the last three months, decreased \$5.5 billion or 1.2 percent to \$440.4 billion, the U.S. Census Bureau reported today. This followed a 3.8 percent March increase. Excluding transportation, new orders decreased 0.2 percent. Shipments, down following seven consecutive monthly increases, decreased \$0.9 billion or 0.2 percent to \$444.5 billion. This followed a 3.1 percent March increase. Unfilled orders, up twelve of the last thirteen months, increased \$2.5 billion or 0.3 percent to \$850.7 billion. This followed a 0.7 percent March increase. The unfilled orders-to-shipments ratio was 6.08, up from 5.96 in March. Inventories, up eighteen of the last nineteen months, increased \$7.7 billion or 1.3 percent to \$587.8 billion. This followed a 1.4 percent March increase. The inventories-to-shipments ratio was 1.32, up from 1.30 in March.

New Orders. New orders for manufactured durable goods in April, down two of the last three months, decreased \$7.1 billion or 3.6 percent to \$190.3 billion, unchanged from the previously published decrease. This followed a 4.6 percent March increase. Transportation equipment, also down two of the last three months, had the largest decrease, \$4.8 billion or 9.3 percent to \$46.9 billion. New orders for manufactured nondurable goods increased \$1.6 billion or 0.6 percent to \$250.1 billion.

Shipments. Shipments of manufactured durable goods in April, down following four consecutive monthly increases, decreased \$2.5 billion or 1.3 percent to \$194.4 billion, revised from the previously published 1.0 percent decrease. This followed a 3.1 percent March increase. Transportation equipment, also down following four consecutive monthly increases, had the largest decrease, \$1.6 billion or 3.3 percent to \$46.5 billion. Shipments of manufactured nondurable goods, up ten consecutive months, increased \$1.6 billion or 0.6 percent to \$250.1 billion. This followed a 3.1 percent March increase. Food products, up eight consecutive months, led the increase, up \$1.1 billion or 1.8 percent to \$61.0 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.9 percent March increase.

Unfilled Orders. Unfilled orders for manufactured durable goods in April, up twelve of the last thirteen months, increased \$2.5 billion or 0.3 percent to \$850.7 billion, revised from the previously published 0.2 percent increase. This followed a 0.7 percent March increase. Machinery, up fifteen consecutive months, had the largest increase, \$2.5 billion or 2.5 percent to \$104.0 billion.

Inventories. Inventories of manufactured durable goods in April, up sixteen consecutive months, increased \$3.3 billion or 0.9 percent to \$350.6 billion, unchanged from the previously published increase. This was at the highest level since the series was first published on a NAICS basis and followed a 1.7 percent March increase. Transportation equipment, also up sixteen consecutive months, had the largest increase, \$0.9 billion or 0.9 percent to \$106.0 billion. Inventories of manufactured nondurable goods, up eight consecutive months, increased \$4.4 billion or 1.9 percent to \$237.2 billion. This followed a 1.0 percent March increase. Petroleum and coal products, also up eight consecutive months, led the increase, up \$3.2 billion or 6.0 percent to \$55.7 billion. By stage of fabrication, April materials and supplies increased 0.9 percent in durable goods and 0.5 percent in nondurable goods. Work in process increased 1.1 percent in durable goods and 3.5 percent in nondurable goods. Finished goods increased 0.7 percent in durable goods and 2.2 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, 2011, at 8:30 a.m. EDT and the full report on July 5, 2011, at 10:00 a.m. EDT. See back page for survey description.

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			
	Apr. 2011 ^P	Mar. 2011 ^f	Feb. 2011	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2011 ^P	Mar. 2011 ^f	Feb. 2011	Apr. 2010	2011 ^P	2010	Percent 2011/2010
All manufacturing industries.....	444,522	445,386	431,886	-0.2	3.1	0.2	445,839	471,211	396,554	403,917	1,706,851	1,537,048	11.0
Excluding transportation.....	398,052	397,323	386,164	0.2	2.9	0.1	401,679	416,712	353,048	360,842	1,526,241	1,363,079	12.0
Excluding defense.....	434,335	434,765	421,476	-0.1	3.2	0.2	436,267	459,293	386,537	391,951	1,667,046	1,487,066	12.1
With unfilled orders.....	139,821	142,338	137,391	-1.8	3.6	0.0	137,237	156,045	127,011	129,621	541,853	502,296	7.9
Durable goods industries.....	194,400	196,879	190,921	-1.3	3.1	0.0	193,141	213,963	176,499	183,760	754,489	700,541	7.7
Wood products.....	5,345	5,351	5,136	-0.1	4.2	-4.8	5,546	5,329	4,545	6,175	19,894	21,116	-5.8
Nonmetallic mineral products.....	7,682	7,796	7,809	-1.5	-0.2	-0.5	7,789	7,955	6,550	7,992	28,855	28,115	2.6
Primary metals.....	22,471	22,519	21,706	-0.2	3.7	2.5	23,348	24,661	20,651	19,015	88,677	70,264	26.2
Iron and steel mills.....	11,172	11,298	10,954	-1.1	3.1	-0.3	11,562	12,523	10,385	9,815	44,887	35,882	25.1
Aluminum and nonferrous metals.....	9,737	9,652	9,204	0.9	4.9	6.5	10,190	10,437	8,822	7,843	37,626	29,244	28.7
Ferrous metal foundries.....	1,562	1,569	1,548	-0.4	1.4	0.1	1,596	1,701	1,444	1,357	6,164	5,138	20.0
Fabricated metal products.....	24,750	24,967	24,378	-0.9	2.4	0.0	24,593	26,250	22,179	23,684	94,939	89,768	5.8
Machinery.....	27,962	29,222	27,494	-4.3	6.3	1.6	28,612	32,847	25,658	26,447	111,364	99,526	11.9
Farm machinery.....	2,258	2,378	2,298	-5.0	3.5	13.4	2,923	2,952	2,464	2,784	10,117	9,179	10.2
Construction machinery.....	3,514	3,514	3,524	0.0	-0.3	1.0	3,526	3,908	3,230	2,685	13,760	9,506	44.8
Mining, oil field, and gas field machinery.....	1,618	1,548	1,451	4.5	6.7	-5.3	1,536	1,705	1,384	1,384	6,149	6,446	-4.6
Industrial machinery.....	3,042	3,337	3,054	-8.8	9.3	8.6	2,994	3,958	2,663	2,599	12,137	10,171	19.3
Photographic equipment.....	667	708	726	-5.8	-2.5	-2.6	602	804	630	637	2,628	2,600	1.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,697	2,634	2,695	2.4	-2.3	0.0	2,534	2,667	2,137	2,696	9,511	9,884	-3.8
Metalworking machinery.....	1,849	1,845	1,699	0.2	8.6	-3.2	1,744	2,073	1,510	1,752	6,927	6,966	-0.6
Turbines, generators, and other power transmission equipment.....	3,393	4,257	3,453	-20.3	23.3	5.1	3,408	4,362	3,289	3,076	14,164	11,467	23.5
Material handling equipment.....	2,466	2,406	2,314	2.5	4.0	-2.0	2,364	2,720	2,227	2,043	9,461	8,324	13.7
Computers and electronic products ²	30,953	29,787	30,250	3.9	-1.5	-2.5	30,947	31,248	26,676	30,556	118,373	113,901	3.9
Computers.....	4,035	4,014	3,934	0.5	2.0	-2.1	4,083	3,905	3,159	3,682	14,860	12,543	18.5
Computer storage devices.....	689	680	622	1.3	9.3	-1.9	463	1,002	440	429	2,413	2,171	11.1
Other peripheral equipment.....	853	937	802	-9.0	16.8	-1.1	663	1,205	583	692	2,964	2,802	5.8
Nondefense communications equipment.....	2,759	2,640	2,878	4.5	-8.3	-3.5	2,367	3,041	2,370	2,691	10,126	11,773	-14.0
Defense communications equipment.....	482	492	491	-2.0	0.2	-5.2	480	519	477	647	1,934	2,165	-10.7
Audio and video equipment.....	257	273	277	-5.9	-1.4	3.4	182	256	229	184	902	854	5.6
Electronic components.....	3,394	3,395	3,368	0.0	0.8	-0.8	3,091	3,733	3,081	3,193	12,960	12,895	0.5
Nondefense search and navigation equipment.....	1,147	1,219	1,115	-5.9	9.3	2.8	1,003	1,463	1,062	939	4,448	4,185	6.3
Defense search and navigation equipment.....	2,728	2,768	2,705	-1.4	2.3	-0.8	2,599	3,073	2,623	2,948	10,564	12,293	-14.1
Electromedical, measuring, and control instruments.....	7,502	7,386	7,467	1.6	-1.1	-0.5	6,921	8,297	6,695	6,445	28,552	26,461	7.9
Electrical equipment, appliances, and components.....	9,950	10,238	9,885	-2.8	3.6	-0.5	9,828	11,040	9,127	9,613	38,699	35,964	7.6
Electric lighting equipment.....	1,007	992	1,002	1.5	-1.0	-0.7	980	1,031	963	954	3,891	3,774	3.1
Household appliances.....	1,574	1,612	1,579	-2.4	2.1	1.9	1,654	1,838	1,388	1,794	6,109	6,254	-2.3
Electrical equipment.....	3,580	3,798	3,495	-5.7	8.7	-2.1	3,379	4,189	3,337	3,293	14,047	12,592	11.6
Batteries.....	896	887	859	1.0	3.3	2.0	815	859	715	778	3,090	2,992	3.3
Transportation equipment.....	46,470	48,063	45,722	-3.3	5.1	0.6	44,160	54,499	43,506	43,075	180,610	173,969	3.8
Automobiles.....	5,174	5,573	5,013	-7.2	11.2	2.3	4,812	6,050	4,711	4,743	20,021	19,108	4.8
Light trucks and utility vehicles.....	7,978	8,351	8,163	-4.5	2.3	4.4	7,200	9,662	7,863	6,069	31,406	25,353	23.9
Heavy duty trucks.....	1,733	1,612	1,504	7.5	7.2	3.3	1,736	1,805	1,493	1,560	6,400	6,445	-0.7
Motor vehicle bodies, parts, and trailers.....	14,192	14,982	13,867	-5.3	8.0	-2.1	14,329	16,458	13,557	13,526	57,133	51,973	9.9
Nondefense aircraft and parts.....	6,836	6,959	6,788	-1.8	2.5	2.7	6,130	8,652	5,893	5,893	25,704	24,254	6.0
Defense aircraft and parts.....	4,186	4,412	4,281	-5.1	3.1	0.7	3,819	4,984	3,971	4,867	16,058	20,338	-21.0
Ships and boats.....	2,281	2,348	2,338	-2.9	0.4	3.2	2,312	2,584	2,361	2,429	9,223	9,556	-3.5
Furniture and related products.....	5,516	5,615	5,401	-1.8	4.0	-1.0	5,365	5,732	5,254	4,954	21,398	19,616	9.1
Miscellaneous durable goods.....	13,301	13,321	13,140	-0.2	1.4	-0.4	12,953	14,402	12,353	12,249	51,680	48,302	7.0
Nondurable goods industries.....	250,122	248,507	240,965	0.6	3.1	0.3	252,698	257,248	220,055	220,157	952,362	836,507	13.8
Food products.....	60,973	59,905	59,398	1.8	0.9	1.7	59,218	61,784	57,281	52,707	234,170	213,147	9.9
Grain and oilseed milling.....	8,369	7,979	8,002	4.9	-0.3	-1.9	7,796	8,346	7,809	6,466	32,047	28,527	12.3
Dairy products.....	9,389	9,103	8,939	3.1	1.8	5.7	9,115	9,412	8,287	7,788	34,794	30,621	13.6
Meat, poultry, and seafood products.....	17,245	17,188	16,930	0.3	1.5	3.7	17,078	17,275	16,538	15,678	66,464	61,881	7.4
Beverage and tobacco products.....	11,957	12,101	11,398	-1.2	6.2	0.9	11,932	12,146	10,432	10,576	44,704	39,098	14.3
Beverages.....	9,423	9,423	9,038	0.0	4.3	-0.6	9,398	9,468	8,072	7,988	34,927	29,351	19.0
Tobacco.....	2,534	2,678	2,360	-5.4	13.5	7.0	2,534	2,678	2,360	2,588	9,777	9,747	0.3
Textile mills.....	2,605	2,629	2,626	-0.9	0.1	1.9	2,669	2,724	2,562	2,525	10,396	9,704	7.1
Textile products.....	1,829	1,880	1,843	-2.7	2.0	3.9	1,906	1,955	1,786	1,885	7,221	7,159	0.9
Apparel.....	1,282	1,271	1,243	0.9	2.3	-1.6	1,189	1,255	1,204	1,122	4,740	4,546	4.3
Leather and allied products.....	316	317	309	-0.3	2.6	0.0	302	332	329	295	1,215	1,235	-1.6
Paper products.....	14,531	14,618	14,561	-0.6	0.4	-0.5	14,178	14,978	13,576	13,880	56,933	54,847	3.8
Pulp, paper, and paperboard mills.....	6,710	6,753	6,779	-0.6	-0.4	-0.5	6,564	6,919	6,308	6,462	26,515	25,522	3.9
Paperboard containers.....	4,443	4,473	4,412	-0.7	1.4	-0.1	4,347	4,620	4,076	4,101	17,270	16,164	6.8
Printing.....	7,065	7,177	6,967	-1.6	3.0	-0.8	7,075	7,460	6,358	7,184	27,454	27,106	1.3
Petroleum and coal products.....	72,395	71,740	67,579	0.9	6.2	-0.6	74,568	70,216	56,620	54,946	262,426	198,126	32.5
Petroleum refineries.....	68,520	68,045	63,987	0.7	6.3	-0.6	70,838	66,714	53,720	51,787	249,683	187,800	33.5
Chemical products.....	61,195	60,902	59,394	0.5	2.5	0.3	63,466	67,577	55,588	55,588	241,436	222,713	8.4
Pesticides, fertilizers, and other agricultural chemicals.....	4,516	4,757	5,038	-5.1	-5.6	2.3	6,641	7,388	5,111	6,271	22,981	18,871	21.8
Pharmaceuticals and medicines.....	15,818	15,994	15,425	-1.1	3.7	-0.2	15,464	16,953	14,129	15,410	60,951	61,063	-0.2
Paints, coatings, and adhesives.....	2,347	2,459	2,467	-4.6	-0.3	2.1	2,497	2,688	2,237	2,799	9,423	9,681	-2.7
Plastics and rubber products.....	15,974	15,967	15,647	0.0	2.0	-0.4	16,195	16,821	14,319	15,688	61,667	58,826	4.8

^P Preliminary^f Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes. See note at end of Table 2 relating to survey error and revision.

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

Table 2. Value of Manufacturers' New Orders for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Apr. 2011 ^P	Mar. 2011 ^f	Feb. 2011	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2011 ^P	Mar. 2011 ^f	Feb. 2011	Apr. 2010	2011 ^P	2010	Percent 2011/2010
All manufacturing industries ²	440,372	445,836	429,658	-1.2	3.8	-0.3	437,930	478,410	397,022	397,702	1,711,120	1,530,771	11.8
Excluding transportation ²	393,457	394,108	382,871	-0.2	2.9	0.0	395,621	418,067	353,473	355,002	1,521,953	1,356,268	12.2
Excluding defense ²	429,670	435,085	420,064	-1.2	3.6	0.5	428,698	463,734	387,096	387,554	1,663,827	1,477,919	12.6
With unfilled orders ²	142,340	148,388	141,357	-4.1	5.0	-1.7	138,032	167,636	133,090	131,731	573,295	520,244	10.2
Durable goods industries ²	190,250	197,329	188,693	-3.6	4.6	-1.1	185,232	221,162	176,967	177,545	758,758	694,264	9.3
Primary metals.....	21,780	22,311	20,808	-2.4	7.2	-8.3	22,364	25,148	20,325	19,329	90,397	75,157	20.3
Iron and steel mills.....	10,113	10,911	9,810	-7.3	11.2	-19.8	10,282	12,675	9,670	10,141	45,126	39,803	13.4
Aluminum and nonferrous metals.....	10,040	9,707	9,366	3.4	3.6	5.7	10,417	10,685	9,089	7,777	38,675	29,970	29.0
Ferrous metal foundries.....	1,627	1,693	1,632	-3.9	3.7	2.0	1,665	1,788	1,566	1,411	6,596	5,384	22.5
Fabricated metal products.....	24,893	25,143	25,649	-1.0	-2.0	4.2	25,071	27,758	24,239	24,438	99,873	93,859	6.4
Machinery.....	30,478	31,371	28,934	-2.8	8.4	-1.1	31,910	35,377	27,395	27,230	122,770	103,647	18.5
Construction machinery.....	3,801	3,760	3,740	1.1	0.5	-2.4	3,913	4,083	3,643	2,759	15,298	9,816	55.8
Mining, oil field, and gas field machinery.....	2,070	2,051	1,991	0.9	3.0	13.1	1,932	2,165	2,042	1,106	7,776	5,899	31.8
Industrial machinery.....	3,727	3,727	2,976	0.0	25.2	24.0	3,981	4,171	2,555	2,795	13,404	11,113	20.6
Photographic equipment.....	636	656	718	-3.0	-8.6	-3.2	586	750	641	679	2,645	2,688	-1.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,244	3,010	3,125	7.8	-3.7	-9.4	3,391	3,587	2,159	3,000	12,436	11,529	7.9
Metalworking machinery.....	1,909	1,910	2,086	-0.1	-8.4	10.8	1,840	2,127	1,985	1,783	7,774	7,041	10.4
Turbines, generators, and other power transmission equipment.....	3,598	4,659	3,310	-22.8	40.8	-9.0	3,598	4,782	3,164	3,158	14,986	11,160	34.3
Material handling equipment.....	2,632	2,567	2,227	2.5	15.3	-14.0	2,527	2,921	2,255	2,154	10,131	8,806	15.0
Computers and electronic products ²	24,154	23,818	24,657	1.4	-3.4	1.3	21,663	27,230	22,435	22,206	92,676	90,288	2.6
Computers.....	3,953	4,098	3,759	-3.5	9.0	-2.9	4,001	3,989	2,984	3,622	14,539	12,337	17.8
Nondefense communications equipment.....	2,377	2,537	2,717	-6.3	-6.6	0.5	2,072	2,722	2,580	2,925	9,469	11,532	-17.9
Defense communications equipment.....	408	284	419	43.7	-32.2	-20.3	328	577	369	504	1,833	2,621	-30.1
Electronic components.....	3,603	3,398	3,254	6.0	4.4	-1.4	3,376	3,635	3,124	3,368	13,226	13,765	-3.9
Nondefense search and navigation equipment.....	1,285	929	1,275	38.3	-27.1	6.0	1,161	1,067	1,287	974	4,642	4,167	11.4
Defense search and navigation equipment.....	2,439	2,390	3,261	2.1	-26.7	19.4	2,053	3,134	3,530	2,952	10,981	11,982	-8.4
Electromedical, measuring, and control instruments.....	7,852	7,909	7,874	-0.7	0.4	0.2	6,973	9,281	6,963	6,175	30,230	26,523	14.0
Electrical equipment, appliances, and components.....	10,048	10,669	10,349	-5.8	3.1	3.4	9,858	11,330	10,160	9,698	40,943	38,178	7.2
Electric lighting equipment.....	977	984	986	-0.7	-0.2	-5.2	987	1,032	948	1,035	3,938	3,843	2.5
Household appliances.....	1,458	1,728	1,653	-15.6	4.5	16.7	1,502	1,836	1,609	1,770	6,244	6,384	-2.2
Electrical equipment.....	3,716	4,095	3,628	-9.3	12.9	-6.2	3,633	4,403	3,632	3,424	15,358	13,677	12.3
Transportation equipment.....	46,915	51,728	46,787	-9.3	10.6	-2.4	42,309	60,343	43,549	42,700	189,167	174,503	8.4
Motor vehicle bodies, parts, and trailers.....	14,114	14,943	13,922	-5.5	7.3	-1.3	14,266	16,191	13,729	13,496	57,120	51,646	10.6
Nondefense aircraft and parts.....	7,213	10,301	10,069	-30.0	2.3	39.9	4,655	12,823	7,795	7,927	30,083	25,117	19.8
Defense aircraft and parts.....	4,169	4,500	4,206	-7.4	7.0	-13.8	3,379	5,774	3,925	4,005	18,393	21,616	-14.9
Ships and boats.....	2,744	3,053	433	-10.1	605.1	-89.7	2,819	3,599	1,129	1,678	12,337	9,472	30.2
Furniture and related products.....	5,664	5,856	5,445	-3.3	7.5	0.7	5,779	6,325	5,437	5,134	22,567	20,611	9.5
Nondurable goods industries.....	250,122	248,507	240,965	0.6	3.1	0.3	252,698	257,248	220,055	220,157	952,362	836,507	13.8

^P Preliminary ^f Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

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

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				Percent Change Apr. 11/10
	Monthly			Percent Change			Monthly				
	Apr. 2011 ^P	Mar. 2011 ^r	Feb. 2011	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2011 ^P	Mar. 2011 ^r	Feb. 2011	Apr. 2010	
All manufacturing industries ²	850,721	848,202	842,152	0.3	0.7	0.5	860,900	860,105	848,514	816,621	5.4
Excluding transportation ²	357,153	355,079	352,694	0.6	0.7	0.8	363,083	360,437	354,690	322,173	12.7
Excluding defense ²	683,893	681,889	675,969	0.3	0.9	0.7	690,008	688,873	680,040	649,788	6.2
Durable goods industries ²	850,721	848,202	842,152	0.3	0.7	0.5	860,900	860,105	848,514	816,621	5.4
Primary metals.....	32,411	33,102	33,310	-2.1	-0.6	-2.6	33,381	34,365	33,878	28,594	16.7
Iron and steel mills.....	19,175	20,234	20,621	-5.2	-1.9	-5.3	19,761	21,041	20,889	17,270	14.4
Aluminum and nonferrous metals.....	9,985	9,682	9,627	3.1	0.6	1.7	10,309	10,082	9,834	8,584	20.1
Ferrous metal foundries.....	3,251	3,186	3,062	2.0	4.0	2.8	3,311	3,242	3,155	2,740	20.8
Fabricated metal products.....	62,785	62,642	62,466	0.2	0.3	2.1	64,222	63,744	62,236	62,746	2.4
Machinery.....	104,014	101,498	99,349	2.5	2.2	1.5	105,684	102,386	99,856	80,403	31.4
Construction machinery.....	9,128	8,841	8,595	3.2	2.9	2.6	9,486	9,099	8,924	6,399	48.2
Mining, oil field, and gas field machinery.....	10,374	9,922	9,419	4.6	5.3	6.1	10,313	9,917	9,457	6,072	69.8
Industrial machinery.....	14,806	14,121	13,731	4.9	2.8	-0.6	15,155	14,168	13,955	11,737	29.1
Photographic equipment.....	1,875	1,906	1,958	-1.6	-2.7	-0.4	1,896	1,912	1,966	2,309	-17.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	19,681	19,134	18,758	2.9	2.0	2.3	20,005	19,148	18,228	15,243	31.2
Metalworking machinery.....	5,005	4,945	4,880	1.2	1.3	8.6	5,115	5,019	4,965	4,190	22.1
Turbines, generators, and other power transmission equipment.....	15,360	15,155	14,753	1.4	2.7	-1.0	15,507	15,317	14,897	10,448	48.4
Material handling equipment.....	8,086	7,920	7,759	2.1	2.1	-1.1	8,233	8,070	7,869	6,863	20.0
Computers and electronic products ²	123,992	124,122	124,491	-0.1	-0.3	0.5	125,347	125,927	125,553	121,253	3.4
Computers.....	3,333	3,415	3,331	-2.4	2.5	-5.0	3,333	3,415	3,331	3,338	-0.1
Nondefense communications equipment.....	22,370	22,752	22,855	-1.7	-0.5	-0.7	22,587	22,882	23,201	23,169	-2.5
Defense communications equipment.....	6,062	6,136	6,344	-1.2	-3.3	-1.1	6,246	6,398	6,340	6,617	-5.6
Electronic components.....	11,631	11,422	11,419	1.8	0.0	-1.0	11,697	11,412	11,510	11,464	2.0
Nondefense search and navigation equipment.....	8,691	8,553	8,843	1.6	-3.3	1.8	8,719	8,561	8,957	8,976	-2.9
Defense search and navigation equipment.....	43,759	44,048	44,426	-0.7	-0.9	1.3	44,447	44,993	44,932	42,206	5.3
Electromedical, measuring, and control instruments.....	28,146	27,796	27,273	1.3	1.9	1.5	28,318	28,266	27,282	25,483	11.1
Electrical equipment, appliances, and components.....	25,225	25,127	24,696	0.4	1.7	1.9	25,496	25,466	25,176	20,845	22.3
Electric lighting equipment.....	1,066	1,096	1,104	-2.7	-0.7	-1.4	1,064	1,057	1,056	1,035	2.8
Household appliances.....	815	931	815	-12.5	14.2	10.0	839	991	993	674	24.5
Electrical equipment.....	14,260	14,124	13,827	1.0	2.1	1.0	14,348	14,094	13,880	11,799	21.6
Transportation equipment.....	493,568	493,123	489,458	0.1	0.7	0.2	497,817	499,668	493,824	494,448	0.7
Motor vehicle bodies, parts, and trailers.....	13,465	13,543	13,582	-0.6	-0.3	0.4	13,783	13,846	14,113	13,573	1.5
Nondefense aircraft and parts.....	340,880	340,503	337,161	0.1	1.0	1.0	341,795	343,270	339,099	331,942	3.0
Defense aircraft and parts.....	53,211	53,228	53,140	0.0	0.2	-0.1	54,440	54,880	54,090	52,349	4.0
Ships and boats.....	18,965	18,502	17,797	2.5	4.0	-9.7	20,050	19,543	18,528	22,847	-12.2
Furniture and related products.....	7,172	7,024	6,783	2.1	3.6	0.7	7,399	6,985	6,392	6,758	9.5

^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 Apr. 11/10
	Apr. 2011 ^P	Mar. 2011 ^F	Feb. 2011	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2011 ^P	Mar. 2011 ^F	Feb. 2011	Apr. 2010	
All manufacturing industries.....	587,754	580,076	571,854	1.3	1.4	1.2	591,067	578,111	572,993	525,424	12.5
Excluding transportation.....	481,736	474,968	469,171	1.4	1.2	1.2	483,634	473,190	469,985	433,325	11.6
Excluding defense.....	561,875	554,163	546,841	1.4	1.3	1.2	565,024	552,077	547,908	499,960	13.0
With unfilled orders.....	286,886	283,901	278,388	1.1	2.0	1.1	289,243	282,882	279,895	254,465	13.7
Durable goods industries.....	350,572	347,292	341,416	0.9	1.7	1.2	353,204	346,474	344,068	313,068	12.8
Wood products.....	8,644	8,612	8,674	0.4	-0.7	1.2	8,542	8,732	8,907	8,224	3.9
Nonmetallic mineral products.....	10,637	10,548	10,484	0.8	0.6	0.6	10,911	10,784	10,725	10,431	4.6
Primary metals.....	33,124	32,589	31,890	1.6	2.2	1.9	33,433	32,096	31,623	28,192	18.6
Iron and steel mills.....	20,425	20,018	19,470	2.0	2.8	2.3	20,594	19,524	19,177	16,859	22.2
Aluminum and nonferrous metals.....	10,758	10,646	10,526	1.1	1.1	1.1	10,855	10,604	10,488	9,544	13.7
Ferrous metal foundries.....	1,941	1,925	1,894	0.8	1.6	2.7	1,984	1,968	1,958	1,789	10.9
Fabricated metal products.....	43,901	43,442	42,855	1.1	1.4	0.9	44,193	43,644	43,185	40,240	9.8
Machinery.....	56,119	55,560	54,491	1.0	2.0	1.1	56,653	56,013	55,566	50,111	13.1
Farm machinery.....	3,155	3,100	3,052	1.8	1.6	1.0	3,260	3,371	3,352	2,575	26.6
Construction machinery.....	5,061	5,054	4,920	0.1	2.7	1.9	5,167	5,155	5,006	4,117	25.5
Mining, oil field, and gas field machinery.....	6,884	6,754	6,539	1.9	3.3	3.0	6,939	6,759	6,514	5,991	15.8
Industrial machinery.....	6,427	6,451	6,420	-0.4	0.5	0.6	6,429	6,498	6,471	6,026	6.7
Photographic equipment.....	1,526	1,545	1,529	-1.2	1.0	-1.2	1,491	1,488	1,545	1,381	8.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,188	4,171	3,967	0.4	5.1	0.2	4,418	4,239	4,016	4,173	5.9
Metalworking machinery.....	4,386	4,288	4,185	2.3	2.5	0.6	4,452	4,269	4,193	4,044	10.1
Turbines, generators, and other power transmission equipment.....	7,067	6,917	6,764	2.2	2.3	1.2	7,016	6,740	6,932	5,729	22.5
Material handling equipment.....	3,385	3,363	3,326	0.7	1.1	0.4	3,393	3,358	3,367	3,163	7.3
Computers and electronic products ²	47,794	47,294	46,477	1.1	1.8	1.2	47,572	46,484	47,044	43,014	10.6
Computers.....	3,050	2,712	2,721	12.5	-0.3	-0.6	2,869	2,599	2,795	2,602	10.3
Computer storage devices.....	1,275	1,294	1,310	-1.5	-1.2	0.3	1,320	1,227	1,332	1,278	3.3
Other peripheral equipment.....	1,409	1,418	1,428	-0.6	-0.7	1.1	1,439	1,375	1,451	1,434	0.3
Nondefense communications equipment.....	7,017	6,988	6,696	0.4	4.4	3.3	6,976	6,835	6,882	6,237	11.8
Defense communications equipment.....	2,627	2,596	2,523	1.2	2.9	1.0	2,627	2,596	2,523	2,324	13.0
Audio and video equipment.....	529	515	513	2.7	0.4	2.0	486	453	479	498	-2.4
Electronic components.....	7,247	7,252	7,242	-0.1	0.1	0.3	7,301	7,081	7,292	6,379	14.5
Nondefense search and navigation equipment.....	3,260	3,228	3,174	1.0	1.7	1.1	3,260	3,214	3,131	3,012	8.2
Defense search and navigation equipment.....	2,822	2,871	2,784	-1.7	3.1	0.9	2,876	2,871	2,807	2,975	-3.3
Electromedical, measuring and control instruments.....	12,564	12,407	12,243	1.3	1.3	0.7	12,585	12,286	12,495	11,402	10.4
Electrical equipment, appliances, and components.....	15,392	15,247	15,121	1.0	0.8	1.3	15,561	15,246	15,265	14,039	10.8
Electric lighting equipment.....	1,687	1,664	1,665	1.4	-0.1	-1.0	1,724	1,655	1,663	1,643	4.9
Household appliances.....	2,244	2,258	2,249	-0.6	0.4	-1.2	2,236	2,216	2,266	1,820	22.9
Electrical equipment.....	4,915	4,802	4,820	2.4	-0.4	3.1	4,945	4,796	4,979	4,549	8.7
Batteries.....	1,060	1,087	1,106	-2.5	-1.7	3.3	1,078	1,088	1,076	1,039	3.8
Transportation equipment.....	106,018	105,108	102,683	0.9	2.4	1.3	107,433	104,921	103,008	92,099	16.6
Automobiles.....	2,882	2,864	2,871	0.6	-0.2	10.2	2,901	2,755	2,993	2,494	16.3
Light trucks and utility vehicles.....	2,771	2,834	2,894	-2.2	-2.1	2.4	2,866	2,917	2,894	2,371	20.9
Heavy duty trucks.....	1,526	1,476	1,431	3.4	3.1	0.2	1,492	1,415	1,427	1,340	11.3
Motor vehicle bodies, parts, and trailers.....	17,348	17,262	17,156	0.5	0.6	0.8	17,619	17,253	17,390	16,070	9.6
Nondefense aircraft and parts.....	56,485	55,454	53,686	1.9	3.3	1.3	57,388	55,360	53,538	44,555	28.8
Defense aircraft and parts.....	14,222	14,371	14,311	-1.0	3.7	-0.1	14,232	14,329	13,810	14,151	0.6
Ships and boats.....	3,575	3,418	3,333	4.6	2.6	3.9	3,659	3,544	3,444	2,998	22.0
Furniture and related products.....	6,712	6,736	6,747	-0.4	-0.2	0.0	6,668	6,635	6,687	6,118	9.0
Miscellaneous durable goods.....	22,231	22,156	21,994	0.3	0.7	0.6	22,238	21,919	22,058	20,600	8.0
Nondurable goods industries.....	237,182	232,784	230,438	1.9	1.0	1.2	237,863	231,637	228,925	212,356	12.0
Food products.....	44,024	43,954	43,520	0.2	1.0	0.3	43,096	42,998	43,308	40,017	7.7
Grain and oilseed milling.....	5,683	5,698	5,796	-0.3	-1.7	-3.9	5,562	5,599	5,919	4,768	16.7
Dairy products.....	5,573	5,670	5,528	-1.7	2.6	2.2	5,771	5,653	5,436	5,439	6.1
Meat, poultry, and seafood products.....	8,474	8,486	8,493	-0.1	-0.1	1.2	8,428	8,392	8,433	7,791	8.2
Beverage and tobacco products.....	16,429	16,398	16,383	0.2	0.1	0.3	16,534	16,600	16,771	16,371	1.0
Beverages.....	12,969	12,910	12,832	0.5	0.6	0.6	13,046	13,019	13,025	12,681	2.9
Tobacco.....	3,460	3,488	3,551	-0.8	-1.8	-0.6	3,488	3,581	3,746	3,690	-5.5
Textile mills.....	3,448	3,390	3,333	1.7	1.7	0.8	3,485	3,389	3,370	2,974	17.2
Textile products.....	2,938	2,931	2,911	0.2	0.7	-0.1	2,973	2,924	2,923	2,636	12.8
Apparel.....	2,415	2,408	2,377	0.3	1.3	1.0	2,321	2,311	2,330	1,867	24.3
Leather and allied products.....	891	877	850	1.6	3.2	1.4	873	855	858	719	21.4
Paper products.....	13,918	13,952	13,894	-0.2	0.4	0.5	13,980	14,000	14,027	13,607	2.7
Pulp, paper, and paperboard mills.....	5,941	5,955	5,937	-0.2	0.3	0.4	5,973	5,996	6,019	5,866	1.8
Paperboard containers.....	4,023	4,019	3,971	0.1	1.2	1.6	4,035	4,040	4,034	3,816	5.7
Printing.....	5,662	5,645	5,567	0.3	1.4	-0.4	5,622	5,629	5,598	5,220	7.7
Petroleum and coal products.....	55,670	52,514	50,841	6.0	3.3	3.8	56,498	51,786	47,907	42,038	34.4
Petroleum refineries.....	52,435	49,375	47,657	6.2	3.6	4.1	53,195	48,666	44,747	39,124	36.0
Chemical products.....	71,576	70,809	70,766	1.1	0.1	0.7	72,033	71,021	71,529	67,799	6.2
Pesticides, fertilizers, and other agricultural chemicals.....	3,871	3,720	3,655	4.1	1.8	1.3	4,047	4,113	4,252	3,629	11.5
Pharmaceuticals and medicines.....	25,441	25,096	25,662	1.4	-2.2	0.8	25,480	24,926	25,663	25,616	-0.5
Paints, coatings, and adhesives.....	3,163	3,124	3,091	1.2	1.1	0.0	3,232	3,208	3,192	2,870	12.6
Plastics and rubber products.....	20,211	19,906	19,996	1.5	-0.5	0.8	20,448	20,124	20,304	19,108	7.0

^P Preliminary^F Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable aggregates totals, but are not shown separately.

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

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						Percent Change ⁶ 2011/2010
	Monthly			Percent Change			Monthly				Year to date		
	Apr. 2011 ^p	Mar. 2011 ^f	Feb. 2011	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2011 ^p	Mar. 2011 ^f	Feb. 2011	Apr. 2010	2011 ^p	2010	
SHIPMENTS													
All manufacturing industries.....	444,522	445,386	431,886	-0.2	3.1	0.2	445,839	471,211	396,554	403,917	1,706,851	1,537,048	11.0
Construction materials and supplies....	36,513	36,763	36,221	-0.7	1.5	-0.8	36,479	37,500	31,361	37,023	136,051	133,316	2.1
Information technology.....	24,450	24,449	24,364	0.0	0.3	-1.3	22,754	27,050	21,338	22,469	92,430	89,733	3.0
Computers and related products.....	5,577	5,631	5,358	-1.0	5.1	-2.0	5,209	6,112	4,182	4,803	20,237	17,516	15.5
Motor vehicle and parts.....	29,077	30,518	28,547	-4.7	6.9	0.7	28,077	33,975	27,624	25,898	114,960	102,879	11.7
Capital goods.....	74,111	75,565	72,939	-1.9	3.6	0.5	71,909	84,291	67,128	69,578	286,486	273,955	4.6
Nondefense capital goods ³	66,125	67,097	64,758	-1.4	3.6	0.3	64,273	74,860	59,073	59,821	254,798	232,946	9.4
Excluding aircraft.....	62,185	63,151	60,872	-1.5	3.7	-0.2	60,756	69,836	55,662	56,333	240,657	218,837	10.0
Defense capital goods ⁴	7,986	8,468	8,181	-5.7	3.5	2.2	7,636	9,431	8,055	9,757	31,688	41,009	-22.7
Consumer goods.....	198,027	197,822	190,743	0.1	3.7	0.6	196,975	203,087	174,301	167,957	749,441	648,541	15.6
Consumer durable goods.....	25,693	26,675	25,636	-3.7	4.1	2.4	24,677	29,966	24,649	23,133	101,208	91,739	10.3
Consumer nondurable goods.....	172,334	171,147	165,107	0.7	3.7	0.3	172,298	173,121	149,652	144,824	648,233	556,802	16.4
NEW ORDERS													
All manufacturing industries ⁵	440,372	445,836	429,658	-1.2	3.8	-0.3	437,930	478,410	397,022	397,702	1,711,120	1,530,771	11.8
Construction materials and supplies....	37,055	37,053	37,226	0.0	-0.5	-1.5	37,669	39,103	32,212	37,931	141,538	136,697	3.5
Information technology.....	24,188	24,051	25,344	0.6	-5.1	3.0	21,794	27,545	23,208	22,208	94,408	90,493	4.3
Computers and related products.....	5,495	5,715	5,183	-3.8	10.3	-2.5	5,127	6,196	4,007	4,743	19,916	17,310	15.1
Motor vehicle and parts.....	28,999	30,479	28,602	-4.9	6.6	1.1	28,014	33,708	27,796	25,868	114,947	102,552	12.1
Capital goods.....	76,358	81,655	76,970	-6.5	6.1	-0.4	72,259	93,906	71,640	70,816	308,583	281,277	9.7
Nondefense capital goods ³	67,820	72,979	69,496	-7.1	5.0	4.8	64,694	82,031	63,622	62,298	269,614	238,429	13.1
Excluding aircraft.....	64,055	65,571	62,204	-2.3	5.4	-0.1	63,010	72,739	58,740	56,693	252,263	223,173	13.0
Defense capital goods ⁴	8,538	8,676	7,474	-1.6	16.1	-32.0	7,565	11,875	8,018	8,518	38,969	42,848	-9.1
Consumer goods.....	197,970	197,971	190,852	0.0	3.7	0.8	196,938	203,193	174,663	168,281	749,975	649,668	15.4
Consumer durable goods.....	25,636	26,824	25,745	-4.4	4.2	3.8	24,640	30,072	25,011	23,457	101,742	92,866	9.6
Consumer nondurable goods.....	172,334	171,147	165,107	0.7	3.7	0.3	172,298	173,121	149,652	144,824	648,233	556,802	16.4
UNFILLED ORDERS													
All manufacturing industries ⁵	850,721	848,202	842,152	0.3	0.7	0.5	860,900	860,105	848,514	816,621	(X)	(X)	5.4
Construction materials and supplies....	56,784	56,242	55,952	1.0	0.5	1.8	57,919	56,729	55,126	52,253	(X)	(X)	10.8
Information technology.....	123,320	123,582	123,980	-0.2	-0.3	0.8	124,791	125,751	125,256	119,435	(X)	(X)	4.5
Computers and related products.....	3,333	3,415	3,331	-2.4	2.5	-5.0	3,333	3,415	3,331	3,338	(X)	(X)	-0.1
Motor vehicle and parts.....	13,465	13,543	13,582	-0.6	-0.3	0.4	13,783	13,846	14,113	13,573	(X)	(X)	1.5
Capital goods.....	644,032	641,785	635,695	0.4	1.0	0.6	650,309	649,959	640,344	617,523	(X)	(X)	5.3
Nondefense capital goods ³	495,559	493,864	487,982	0.3	1.2	1.0	498,356	497,935	490,764	468,323	(X)	(X)	6.4
Excluding aircraft.....	195,356	193,486	191,066	1.0	1.3	0.7	197,700	195,446	192,543	173,957	(X)	(X)	13.6
Defense capital goods ⁴	148,473	147,921	147,713	0.4	0.1	-0.5	151,953	152,024	149,580	149,200	(X)	(X)	1.8
Consumer goods.....	4,941	4,998	4,849	-1.1	3.1	2.3	5,144	5,181	5,075	5,104	(X)	(X)	0.8
Consumer durable goods.....	4,941	4,998	4,849	-1.1	3.1	2.3	5,144	5,181	5,075	5,104	(X)	(X)	0.8
TOTAL INVENTORIES													
All manufacturing industries.....	587,754	580,076	571,854	1.3	1.4	1.2	591,067	578,111	572,993	525,424	(X)	(X)	12.5
Construction materials and supplies....	55,880	55,454	54,826	0.8	1.1	0.9	56,443	55,877	55,575	53,053	(X)	(X)	6.4
Information technology.....	42,003	41,442	40,620	1.4	2.0	1.1	41,930	40,842	41,122	38,487	(X)	(X)	8.9
Computers and related products.....	5,734	5,424	5,459	5.7	-0.6	0.1	5,628	5,201	5,578	5,314	(X)	(X)	5.9
Motor vehicle and parts.....	24,527	24,436	24,352	0.4	0.3	2.0	24,878	24,340	24,704	22,275	(X)	(X)	11.7
Capital goods.....	178,419	176,148	171,874	1.3	2.5	1.1	179,847	175,920	173,265	156,110	(X)	(X)	15.2
Nondefense capital goods ³	157,848	155,538	152,086	1.5	2.3	1.2	159,122	155,147	153,362	135,684	(X)	(X)	17.3
Excluding aircraft.....	109,488	108,225	106,568	1.2	1.6	1.1	109,945	107,810	108,025	99,029	(X)	(X)	11.0
Defense capital goods ⁴	20,571	20,610	19,788	-0.2	4.2	0.3	20,725	20,773	19,903	20,426	(X)	(X)	1.5
Consumer goods.....	182,273	178,688	176,992	2.0	1.0	1.5	182,066	176,623	174,779	160,834	(X)	(X)	13.2
Consumer durable goods.....	26,323	26,289	26,314	0.1	-0.1	1.3	26,210	26,001	26,795	23,484	(X)	(X)	11.6
Consumer nondurable goods.....	155,950	152,399	150,678	2.3	1.1	1.5	155,856	150,622	147,984	137,350	(X)	(X)	13.5

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

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Topical series are regroupings of the separate industry categories.

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

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Apr. 11/10
	Apr. 2011 ^P	Mar. 2011 ^r	Feb. 2011	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2011 ^P	Mar. 2011 ^r	Feb. 2011	Apr. 2010	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	193,452	191,970	190,268	0.8	0.9	1.2	193,743	191,197	190,501	175,468	10.4
Durable goods industries.....	113,143	112,099	110,901	0.9	1.1	0.6	113,113	111,227	111,388	103,750	9.0
Wood products.....	3,230	3,210	3,185	0.6	0.8	2.0	3,012	3,159	3,272	2,874	4.8
Nonmetallic mineral products.....	4,240	4,168	4,113	1.7	1.3	0.8	4,257	4,185	4,137	4,081	4.3
Primary metals.....	13,482	13,600	13,125	-0.9	3.6	1.2	13,338	13,190	12,800	11,350	17.5
Fabricated metal products.....	15,658	15,459	15,350	1.3	0.7	-0.1	15,635	15,448	15,463	14,234	9.8
Machinery.....	21,030	20,849	20,481	0.9	1.8	1.0	21,173	20,817	20,540	18,516	14.3
Computers and electronic products.....	18,275	17,924	17,583	2.0	1.9	1.0	18,166	17,601	17,661	15,876	14.4
Electrical equipment, appliances, and components.....	6,449	6,376	6,262	1.1	1.8	1.4	6,498	6,459	6,270	6,058	7.3
Transportation equipment.....	20,536	20,341	20,665	1.0	-1.6	-0.3	20,784	20,256	21,074	21,278	-2.3
Furniture and related products.....	3,217	3,183	3,201	1.1	-0.6	-0.8	3,221	3,177	3,209	2,939	9.6
Miscellaneous products.....	7,026	6,989	6,936	0.5	0.8	0.9	7,029	6,935	6,962	6,544	7.4
Nondurable goods industries.....	80,309	79,871	79,367	0.5	0.6	2.1	80,630	79,970	79,113	71,718	12.4
Food products.....	14,424	14,403	14,498	0.1	-0.7	1.1	14,377	14,326	14,606	13,670	5.2
Beverage and tobacco products.....	4,333	4,329	4,373	0.1	-1.0	0.2	4,363	4,414	4,537	4,485	-2.7
Textiles.....	1,244	1,242	1,222	0.2	1.6	0.4	1,264	1,247	1,227	1,095	15.4
Textile products.....	1,329	1,330	1,333	-0.1	-0.2	1.0	1,340	1,318	1,322	1,183	13.3
Apparel.....	824	800	773	3.0	3.5	3.2	815	786	764	556	46.6
Leather and allied products.....	312	307	295	1.6	4.1	2.1	307	299	296	249	23.3
Paper products.....	6,686	6,731	6,692	-0.7	0.6	0.7	6,664	6,763	6,734	6,468	3.0
Printing.....	2,733	2,720	2,706	0.5	0.5	0.2	2,685	2,711	2,697	2,447	9.7
Petroleum and coal products.....	17,624	17,284	17,034	2.0	1.5	5.2	17,937	17,260	16,096	12,804	40.1
Chemical products.....	22,394	22,433	22,265	-0.2	0.8	1.9	22,481	22,515	22,584	21,145	6.3
Plastics and rubber products.....	8,406	8,292	8,176	1.4	1.4	1.9	8,397	8,331	8,250	7,616	10.3
WORK IN PROCESS											
All manufacturing industries.....	182,662	179,552	175,835	1.7	2.1	1.2	184,270	179,133	176,199	158,919	16.0
Durable goods industries.....	135,639	134,135	130,592	1.1	2.7	1.2	136,873	133,578	131,123	116,745	17.2
Wood products.....	1,530	1,545	1,546	-1.0	-0.1	0.8	1,549	1,572	1,541	1,523	1.7
Nonmetallic mineral products.....	1,160	1,150	1,141	0.9	0.8	-3.1	1,216	1,205	1,182	1,183	2.8
Primary metals.....	9,761	9,376	9,240	4.1	1.5	1.9	9,934	9,170	9,200	8,362	18.8
Fabricated metal products.....	12,051	11,933	11,706	1.0	1.9	1.0	12,030	11,865	11,725	11,059	8.8
Machinery.....	14,470	14,456	14,324	0.1	0.9	0.6	14,490	14,472	14,549	13,413	8.0
Computers and electronic products.....	18,160	18,044	17,496	0.6	3.1	1.3	18,118	17,766	17,720	16,835	7.6
Electrical equipment, appliances, and components.....	3,609	3,542	3,506	1.9	1.0	0.7	3,713	3,537	3,560	3,187	16.5
Transportation equipment.....	70,623	69,791	67,315	1.2	3.7	1.5	71,533	69,728	67,315	57,085	25.3
Furniture and related products.....	1,040	1,048	1,024	-0.8	2.3	2.1	1,041	1,046	1,027	966	7.8
Miscellaneous products.....	3,235	3,250	3,294	-0.5	-1.3	-0.3	3,249	3,217	3,304	3,132	3.7
Nondurable goods industries.....	47,023	45,417	45,243	3.5	0.4	1.1	47,397	45,555	45,076	42,174	12.4
Food products.....	3,555	3,457	3,487	2.8	-0.9	2.3	3,280	3,331	3,585	2,845	15.3
Beverage and tobacco products.....	5,574	5,542	5,517	0.6	0.5	0.4	5,534	5,635	5,760	5,524	0.2
Textiles.....	809	774	762	4.5	1.6	2.0	811	767	763	698	16.2
Textile products.....	475	477	466	-0.4	2.4	-1.7	484	479	472	427	13.3
Apparel.....	352	358	367	-1.7	-2.5	4.3	348	343	358	316	10.1
Leather and allied products.....	85	82	81	3.7	1.2	5.2	87	84	86	74	17.6
Paper products.....	1,247	1,242	1,240	0.4	0.2	0.1	1,247	1,235	1,244	1,228	1.5
Printing.....	1,264	1,255	1,222	0.7	2.7	-1.4	1,263	1,260	1,290	1,224	3.2
Petroleum and coal products.....	17,050	15,353	15,018	11.1	2.2	3.6	17,726	15,661	14,470	12,826	38.2
Chemical products.....	14,682	14,953	14,952	-1.8	0.0	-0.7	14,665	14,798	14,863	14,949	-1.9
Plastics and rubber products.....	1,930	1,924	2,131	0.3	-9.7	-1.2	1,952	1,962	2,185	2,063	-5.4
FINISHED GOODS											
All manufacturing industries.....	211,640	208,554	205,751	1.5	1.4	1.1	213,054	207,781	206,293	191,037	11.5
Durable goods industries.....	101,790	101,058	99,923	0.7	1.1	1.7	103,218	101,669	101,557	92,573	11.5
Wood products.....	3,884	3,857	3,943	0.7	-2.2	0.7	3,981	4,001	4,094	3,827	4.0
Nonmetallic mineral products.....	5,237	5,230	5,230	0.1	0.0	1.3	5,438	5,394	5,406	5,167	5.2
Primary metals.....	9,881	9,613	9,525	2.8	0.9	3.0	10,161	9,736	9,623	8,480	19.8
Fabricated metal products.....	16,192	16,050	15,799	0.9	1.6	1.8	16,528	16,331	15,997	14,947	10.6
Machinery.....	20,619	20,255	19,686	1.8	2.9	1.5	20,990	20,724	20,477	18,182	15.4
Computers and electronic products.....	11,359	11,326	11,398	0.3	-0.6	1.5	11,288	11,117	11,663	10,303	9.6
Electrical equipment, appliances, and components.....	5,334	5,329	5,353	0.1	-0.4	1.6	5,350	5,250	5,435	4,794	11.6
Transportation equipment.....	14,859	14,976	14,703	-0.8	1.9	2.8	15,116	14,937	14,619	13,736	10.0
Furniture and related products.....	2,455	2,505	2,522	-2.0	-0.7	0.1	2,406	2,412	2,451	2,213	8.7
Miscellaneous products.....	11,970	11,917	11,764	0.4	1.3	0.6	11,960	11,767	11,792	10,924	9.5
Nondurable goods industries.....	109,850	107,496	105,828	2.2	1.6	0.6	109,836	106,112	104,736	98,464	11.5
Food products.....	26,045	26,094	25,535	-0.2	2.2	-0.4	25,439	25,341	25,117	23,502	8.2
Beverage and tobacco products.....	6,522	6,527	6,493	-0.1	0.5	0.4	6,637	6,551	6,474	6,362	4.3
Textiles.....	1,395	1,374	1,349	1.5	1.9	0.4	1,410	1,375	1,380	1,181	19.4
Textile products.....	1,134	1,124	1,112	0.9	1.1	-0.6	1,149	1,127	1,129	1,026	12.0
Apparel.....	1,239	1,250	1,237	-0.9	1.1	-1.2	1,158	1,182	1,208	995	16.4
Leather and allied products.....	494	488	474	1.2	3.0	0.4	479	472	476	396	21.0
Paper products.....	5,985	5,979	5,962	0.1	0.3	0.3	6,069	6,002	6,049	5,911	2.7
Printing.....	1,665	1,670	1,639	-0.3	1.9	-0.5	1,674	1,658	1,611	1,549	8.1
Petroleum and coal products.....	20,996	19,877	18,789	5.6	5.8	2.6	20,835	18,865	17,341	16,408	27.0
Chemical products.....	34,500	33,423	33,549	3.2	-0.4	0.5	34,887	33,708	34,082	31,705	10.0
Plastics and rubber products.....	9,875	9,690	9,689	1.9	0.0	0.4	10,099	9,831	9,869	9,429	7.1

^P Preliminary^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

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

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

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Apr 2011 ^P	Mar 2011 ^r	Feb 2011	Jan 2011	Apr 2011 ^P	Mar 2011 ^r	Feb 2011	Jan 2011
All manufacturing industries ²	1.32	1.30	1.32	1.31	(X)	(X)	(X)	(X)
Durable goods industries ²	1.80	1.76	1.79	1.77	6.08	5.96	6.13	6.10
Wood products.....	1.62	1.61	1.69	1.59	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.38	1.35	1.34	1.33	(X)	(X)	(X)	(X)
Primary metals.....	1.47	1.45	1.47	1.48	1.44	1.47	1.53	1.62
Fabricated metal products.....	1.77	1.74	1.76	1.74	2.62	2.59	2.65	2.59
Machinery.....	2.01	1.90	1.98	1.99	4.16	3.89	4.06	4.02
Computers and electronic products ²	1.54	1.59	1.54	1.48	5.62	5.66	5.67	5.57
Electrical equipment, appliances, and components.....	1.55	1.49	1.53	1.50	2.79	2.69	2.74	2.66
Transportation equipment.....	2.28	2.19	2.25	2.23	15.63	15.16	15.77	15.62
Furniture and related products.....	1.22	1.20	1.25	1.24	1.51	1.46	1.45	1.42
Miscellaneous products.....	1.67	1.66	1.67	1.66	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.95	0.94	0.96	0.95	(X)	(X)	(X)	(X)
Food products.....	0.72	0.73	0.73	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.37	1.36	1.44	1.45	(X)	(X)	(X)	(X)
Textiles.....	1.32	1.29	1.27	1.28	(X)	(X)	(X)	(X)
Textile products.....	1.61	1.56	1.58	1.64	(X)	(X)	(X)	(X)
Apparel.....	1.88	1.89	1.91	1.86	(X)	(X)	(X)	(X)
Leather and allied products.....	2.82	2.77	2.75	2.71	(X)	(X)	(X)	(X)
Paper products.....	0.96	0.95	0.95	0.95	(X)	(X)	(X)	(X)
Printing.....	0.80	0.79	0.80	0.80	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.77	0.73	0.75	0.72	(X)	(X)	(X)	(X)
Chemical products.....	1.17	1.16	1.19	1.19	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.27	1.25	1.28	1.26	(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.

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.

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	
	Apr ¹ 2011	Apr ² 2010- Mar 2011						
All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.1	(X)	0.2
Durable goods industries.....	-0.3	0.4	0.0	0.8	0.1	0.1	0.0	0.2
Wood products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.5	0.8	-0.8	2.4	-0.1	1.5	-0.1	0.4
Fabricated metal products.....	-0.2	0.4	0.1	0.7	0.2	0.2	0.2	0.2
Machinery.....	-0.2	0.9	0.6	2.2	0.3	0.5	0.0	0.3
Computers and electronic products.....	0.4	0.9	0.7	1.1	0.1	0.2	0.4	0.2
Electrical equipment, appliances, and components.....	-0.8	0.8	-0.9	1.0	0.0	0.4	0.1	0.4
Transportation equipment.....	-0.3	0.7	0.2	1.4	0.1	0.1	-0.1	0.3
Furniture and related products.....	(X)	0.6	(X)	1.2	(X)	0.7	(X)	0.4
Miscellaneous products.....	(X)	0.3	(X)	0.4	(X)	0.2	(X)	0.2
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.7
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.6
Paper products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.8
Petroleum and coal products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	1.2
Chemical products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.5

X Not Applicable

NA Not Available

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

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

³ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non- calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading- day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,300 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 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

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

Additional survey documentation can be found on our web site: <http://www.census.gov/m3>.