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Full Report on Manufacturers' Shipments, Inventories and Orders April 2012

Summary

New orders for manufactured goods in April, down three of the last four months, decreased \$2.9 billion or 0.6 percent to \$466.0 billion, the U.S. Census Bureau reported today. This followed a 2.1 percent March decrease. Excluding transportation, new orders decreased 1.1 percent.

Shipments, down following four consecutive monthly increases, decreased \$1.5 billion or 0.3 percent to \$473.2 billion. This followed a 0.1 percent March increase.

Unfilled orders, down following twenty-seven consecutive monthly increases, decreased \$0.8 billion or 0.1 percent to \$985.4 billion. This followed a slight March increase. The unfilled orders-to-shipments ratio was 6.33, up from 6.29 in March.

Inventories, up twenty-two of the last twenty-three months, increased \$0.1 billion to \$607.2 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.1 percent March increase. The inventories-to-shipments ratio was 1.28, unchanged from March.

New Orders

New orders for manufactured durable goods in April, down three of the last four months, decreased \$0.1 billion to \$215.2 billion, revised from the previously published 0.2 percent increase. This followed a 3.7 percent March decrease.

Machinery, also down three of the last four months, had the largest decrease, \$0.9 billion or 2.9 percent to \$31.0 billion.

New orders for manufactured nondurable goods decreased \$2.9 billion or 1.1 percent to \$250.8 billion.

Shipments

Shipments of manufactured durable goods in April, up four of the last five months, increased \$1.4 billion or 0.6 percent to \$222.5 billion, revised from the previously published 0.7 percent increase. This followed a 0.9 percent March increase.

Transportation equipment, also up four of the last five months, had the largest increase, \$1.9 billion or 3.1

percent to \$63.8 billion.

Shipments of manufactured nondurable goods, down two consecutive months, decreased \$2.9 billion or 1.1 percent to \$250.8 billion. This followed a 0.7 percent March decrease. Petroleum and coal products, also down two consecutive months, drove the decrease, down \$3.2 billion or 4.4 percent to \$69.8 billion. This was the largest decline in petroleum and coal products since a 7.9 percent decrease in July of 2009.

Unfilled Orders

Unfilled orders for manufactured durable goods in April, down following twenty-seven consecutive monthly increases, decreased \$0.8 billion or 0.1 percent to \$985.4 billion, unchanged from the previously published decrease. This followed a slight March increase.

Transportation equipment, down two consecutive months, had the largest decrease, \$1.6 billion or 0.3 percent to \$566.5 billion.

Inventories

Inventories of manufactured durable goods in April, up twenty-seven of the last twenty-eight months, increased \$1.2 billion or 0.3 percent to \$364.2 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 0.4 percent March increase.

Machinery, up twenty-five of the last twenty-six months, had the largest increase, \$1.1 billion or 1.6 percent to \$65.2 billion.

Inventories of manufactured nondurable goods, down two consecutive months, decreased \$1.2 billion or 0.5 percent to \$243.1 billion. This followed a 0.3 percent March decrease. Petroleum and coal products, also down two consecutive months, led the decrease, down \$0.9 billion or 1.6 percent to \$55.0 billion.

By stage of fabrication, April materials and supplies increased 0.1 percent in durable goods and 1.2 percent in nondurable goods. Work in process increased 0.4 percent in durable goods and decreased 4.1 percent in nondurable goods. Finished goods increased 0.5 percent in durable goods and decreased 0.2 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 27, 2012, at 8:30 a.m. EDT and the full report on July 3, 2012, 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. 2012 ^p	Mar. 2012 ^r	Feb. 2012	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2012 ^p	Mar. 2012 ^r	Feb. 2012	Apr. 2011	2012 ^p	2011	Percent 2012/ 2011
All manufacturing industries.....	473,221	474,690	474,382	-0.3	0.1	0.4	475,626	503,185	455,298	455,439	1,870,390	1,750,151	6.9
Excluding transportation.....	409,381	412,792	413,907	-0.8	-0.3	0.9	413,919	433,413	394,348	401,032	1,623,968	1,526,274	6.4
Excluding defense.....	463,122	463,683	464,198	-0.1	-0.1	0.6	466,131	490,709	445,199	444,525	1,829,379	1,704,646	7.3
With unfilled orders.....	155,576	156,846	154,992	-0.8	1.2	-1.0	152,651	171,405	150,461	142,021	615,015	562,614	9.3
Durable goods industries.....	222,464	221,050	219,081	0.6	0.9	-0.5	220,877	238,715	212,766	203,120	871,276	798,338	9.1
Wood products.....	6,049	6,003	5,897	0.8	1.8	-3.9	6,365	5,979	5,425	6,032	22,972	21,612	6.3
Nonmetallic mineral products.....	8,064	7,985	8,003	1.0	-0.2	0.2	8,098	7,966	6,989	7,698	29,901	28,517	4.9
Primary metals.....	28,497	28,387	28,935	0.4	-1.9	0.7	29,467	30,605	29,062	24,674	117,149	93,687	25.0
Iron and steel mills.....	11,380	11,440	11,756	-0.5	-2.7	-0.1	11,947	12,691	11,841	11,964	48,096	46,058	4.4
Aluminum and nonferrous metals.....	15,223	15,075	15,306	1.0	-1.5	1.1	15,639	15,905	15,366	11,142	61,597	41,561	48.2
Ferrous metal foundries.....	1,894	1,872	1,873	1.2	-0.1	2.2	1,881	2,009	1,855	1,568	7,456	6,068	22.9
Fabricated metal products.....	27,552	27,535	27,581	0.1	-0.2	-1.2	27,357	28,507	26,243	25,863	107,814	100,058	7.8
Machinery.....	31,746	32,592	31,108	-2.6	4.8	2.9	32,104	36,253	30,007	29,001	125,206	112,236	11.6
Farm machinery.....	2,495	2,656	2,501	-6.1	6.2	0.6	3,268	3,318	2,687	3,132	11,433	10,001	14.3
Construction machinery.....	4,345	4,094	3,998	6.1	2.4	-0.3	4,246	4,236	3,786	3,360	15,891	12,831	23.8
Mining, oil field, and gas field machinery.....	2,092	2,081	2,026	0.5	2.7	6.4	1,951	2,211	2,014	1,820	7,970	7,331	8.7
Industrial machinery.....	3,215	3,052	2,969	5.3	2.8	6.6	3,090	3,811	2,661	2,572	11,842	11,050	7.2
Photographic equipment.....	655	666	671	-1.7	-0.7	1.7	583	766	630	599	2,510	2,614	-4.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,155	3,201	3,013	-1.4	6.2	4.7	3,041	3,282	2,523	2,824	11,129	10,728	3.7
Metalworking machinery.....	2,396	2,352	2,351	1.9	0.0	2.8	2,208	2,515	2,159	1,832	8,913	7,325	21.7
Turbines, generators, and other power transmission equipment.....	3,360	4,464	3,535	-24.7	26.3	9.0	3,404	4,660	3,558	3,152	14,753	13,027	13.2
Material handling equipment.....	2,797	2,771	2,721	0.9	1.8	1.9	2,654	3,064	2,690	2,353	10,798	9,264	16.6
Computers and electronic products ²	27,761	27,528	28,239	0.8	-2.5	0.9	27,608	28,508	26,052	27,956	108,077	109,272	-1.1
Computers.....	1,224	1,252	1,403	-2.2	-10.8	-2.9	1,091	1,250	1,123	1,367	4,709	5,255	-10.4
Computer storage devices.....	722	731	728	-1.2	0.4	4.6	455	1,123	512	438	2,584	2,282	13.2
Other peripheral equipment.....	905	894	940	1.2	-4.9	1.1	663	1,117	726	637	3,094	2,841	8.9
Nondefense communications equipment.....	2,645	2,684	2,757	-1.5	-2.6	1.3	2,257	3,106	2,456	2,490	9,963	10,678	-6.7
Defense communications equipment.....	372	391	374	-4.9	4.5	-2.1	347	427	375	482	1,490	1,942	-23.3
Audio and video equipment.....	234	255	222	-8.2	14.9	1.4	169	258	189	167	802	833	-3.7
Electronic components.....	3,569	3,597	3,594	-0.8	0.1	1.2	3,307	3,928	3,459	3,369	13,866	14,132	-1.9
Nondefense search and navigation equipment.....	1,284	1,339	1,288	-4.1	4.0	-0.1	1,161	1,559	1,264	1,097	5,085	4,874	4.3
Defense search and navigation equipment.....	2,864	2,839	2,924	0.9	-2.9	-1.8	2,736	3,093	2,999	2,850	11,361	11,694	-2.8
Electromedical, measuring, and control instruments.....	6,983	7,013	6,928	-0.4	1.2	1.6	6,616	7,866	6,463	6,584	27,042	26,543	1.9
Electrical equipment, appliances, and components.....	9,943	10,016	9,881	-0.7	1.4	-0.8	9,769	10,831	9,339	9,488	38,807	37,290	4.1
Electric lighting equipment.....	903	917	884	-1.5	3.7	-5.6	875	953	869	914	3,558	3,661	-2.8
Household appliances.....	1,596	1,560	1,540	2.3	1.3	0.3	1,662	1,784	1,418	1,584	6,101	5,851	4.3
Electrical equipment.....	3,104	3,130	3,056	-0.8	2.4	-0.5	2,934	3,513	2,909	2,743	12,068	11,394	5.9
Batteries.....	973	975	965	-0.2	1.0	-1.5	899	937	840	882	3,508	3,348	4.8
Transportation equipment.....	63,840	61,898	60,475	3.1	2.4	-2.8	61,707	69,772	60,950	54,407	246,422	223,877	10.1
Automobiles.....	9,106	8,441	8,210	7.9	2.8	4.4	8,686	8,946	8,316	6,473	33,279	27,041	23.1
Light trucks and utility vehicles.....	14,081	12,239	12,061	15.1	1.5	0.8	13,677	13,983	12,665	10,567	51,062	46,095	10.8
Heavy duty trucks.....	2,514	2,557	2,594	-1.7	-1.4	1.3	2,455	2,757	2,582	2,057	10,176	7,584	34.2
Motor vehicle bodies, parts, and trailers.....	18,322	18,385	17,977	-0.3	2.3	-2.9	18,683	20,260	18,825	17,692	75,115	71,202	5.5
Nondefense aircraft and parts.....	9,387	8,929	9,178	5.1	-2.7	-6.7	8,307	10,813	8,505	6,611	34,781	27,687	25.6
Defense aircraft and parts.....	4,164	5,063	4,208	-17.8	20.3	-17.3	3,758	5,910	3,957	4,287	17,482	17,991	-2.8
Ships and boats.....	2,150	2,228	2,117	-3.5	5.2	-4.3	2,215	2,473	2,178	2,231	8,809	8,927	-1.3
Furniture and related products.....	5,347	5,349	5,216	0.0	2.5	-1.4	5,209	5,535	5,256	5,093	20,980	20,199	3.9
Miscellaneous durable goods.....	13,665	13,757	13,746	-0.7	0.1	0.8	13,193	14,759	13,443	12,908	53,948	51,590	4.6
Nondurable goods industries.....	250,757	253,640	255,301	-1.1	-0.7	1.1	254,749	264,470	242,532	252,319	999,114	951,813	5.0
Food products.....	60,292	59,858	59,079	0.7	1.3	-2.8	58,258	60,962	58,509	57,458	236,278	226,483	4.3
Grain and oilseed milling.....	8,205	8,015	7,971	2.4	0.6	-0.9	7,724	8,042	7,967	7,538	31,726	30,618	3.6
Dairy products.....	8,380	8,395	8,365	-0.2	0.4	-2.6	8,088	8,527	7,949	8,626	32,837	32,933	-0.3
Meat, poultry, and seafood products.....	16,660	16,640	16,105	0.1	3.3	-4.8	16,381	16,781	16,194	16,331	65,498	63,424	3.3
Beverage and tobacco products.....	12,387	12,149	12,099	2.0	0.4	4.0	12,305	12,275	11,382	11,564	46,418	43,531	6.6
Beverages.....	8,977	8,798	8,893	2.0	-1.1	1.5	8,895	8,924	8,176	8,336	33,579	31,082	8.0
Tobacco.....	3,410	3,351	3,206	1.8	4.5	11.6	3,410	3,351	3,206	3,228	12,839	12,449	3.1
Textile mills.....	2,476	2,488	2,457	-0.5	1.3	-0.3	2,530	2,644	2,477	2,601	9,964	10,177	-2.1
Textile products.....	1,947	1,955	1,923	-0.4	1.7	-0.9	2,024	2,071	1,932	1,959	7,763	7,347	5.7
Apparel.....	1,255	1,245	1,257	0.8	-1.0	-2.5	1,141	1,210	1,253	1,095	4,761	4,419	7.7
Leather and allied products.....	465	460	440	1.1	4.5	-2.9	452	482	472	442	1,783	1,758	1.4
Paper products.....	14,010	13,948	13,938	0.4	0.1	-0.2	13,681	14,171	13,535	13,980	55,039	56,142	-2.0
Pulp, paper, and paperboard mills.....	6,563	6,574	6,606	-0.2	-0.5	0.4	6,362	6,651	6,395	6,506	25,929	26,298	-1.4
Paperboard containers.....	4,122	4,071	4,053	1.3	0.4	-0.6	4,087	4,181	3,902	4,208	16,105	16,697	-3.5
Printing.....	6,673	6,658	6,545	0.2	1.7	-0.9	6,672	6,934	6,163	6,910	25,936	26,962	-3.8
Petroleum and coal products.....	69,750	72,950	75,101	-4.4	-2.9	4.9	74,084	75,947	67,352	73,649	284,004	259,314	9.5
Petroleum refineries.....	65,295	68,287	70,760	-4.4	-3.5	5.0	69,897	71,721	63,771	70,060	268,829	246,669	9.0
Chemical products.....	63,744	64,205	64,662	-0.7	-0.7	0.9	65,625	69,108	62,486	65,735	257,279	251,090	2.5
Pesticides, fertilizers, and other agricultural chemicals.....	3,361	3,213	3,081	4.6	4.3	-4.9	4,706	4,668	2,985	3,766	15,022	13,031	15.3
Pharmaceuticals and medicines.....	14,462	14,499	14,815	-0.3	-2.1	1.1	14,150	14,863	14,391	14,936	57,188	59,071	-3.2
Paints, coatings, and adhesives.....	2,898	2,899	2,894	0.0	0.2	-1.2	3,082	3,075	2,732	2,745	11,438	10,133	12.9
Plastics and rubber products.....	17,758	17,724	17,800	0.2	-0.4	1.0	17,977	18,666	16,971	16,926	69,889	64,590	8.2

^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 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. 2012 ^P	Mar. 2012 ^r	Feb. 2012	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2012 ^P	Mar. 2012 ^r	Feb. 2012	Apr. 2011	2012 ^P	2011	Percent 2012/2011
All manufacturing industries ²	465,975	468,921	478,879	-0.6	-2.1	1.5	463,137	502,316	466,795	448,748	1,874,929	1,758,648	6.6
Excluding transportation ²	403,722	408,012	410,844	-1.1	-0.7	1.4	407,012	432,390	397,409	395,879	1,619,157	1,524,617	6.2
Excluding defense ²	457,284	458,114	468,034	-0.2	-2.1	1.2	456,141	487,196	455,436	437,833	1,831,964	1,704,297	7.5
With unfilled orders ²	154,783	157,098	166,059	-1.5	-5.4	2.5	148,513	174,822	167,984	143,446	645,772	597,951	8.0
Durable goods industries ²	215,218	215,281	223,578	0.0	-3.7	2.0	208,388	237,846	224,263	196,429	875,815	806,835	8.5
Primary metals	28,609	28,352	28,179	0.9	0.6	0.3	29,294	30,335	29,205	23,157	118,035	95,607	23.5
Iron and steel mills	11,501	11,437	11,103	0.6	3.0	0.1	11,774	12,502	11,957	10,072	48,767	46,216	5.5
Aluminum and nonferrous metals	15,213	15,055	15,115	1.0	-0.4	0.1	15,640	15,867	15,260	11,456	61,564	42,922	43.4
Ferrous metal foundries	1,895	1,860	1,961	1.9	-5.2	3.8	1,880	1,966	1,988	1,629	7,704	6,469	19.1
Fabricated metal products	27,829	28,415	28,213	-2.1	0.7	0.5	27,924	31,233	28,182	26,652	113,760	105,471	7.9
Machinery	30,966	31,876	33,572	-2.9	-5.1	5.8	32,184	35,170	33,796	33,395	132,021	126,602	4.3
Construction machinery	4,089	3,718	4,312	10.0	-13.8	-8.0	4,146	3,612	4,722	4,330	17,688	16,744	5.6
Mining, oil field, and gas field machinery	1,357	1,085	2,666	25.1	-59.3	33.2	1,288	789	2,826	2,598	7,097	9,900	-28.3
Industrial machinery	3,249	3,382	3,086	-3.9	9.6	13.3	3,332	4,123	2,786	3,354	12,762	12,023	6.1
Photographic equipment	753	675	711	11.6	-5.1	4.3	733	726	705	577	2,843	2,637	7.8
Ventilation, heating, air-conditioning, and refrigeration equipment	3,207	3,358	3,453	-4.5	-2.8	25.2	3,403	3,690	3,120	3,354	12,447	12,341	0.9
Metalworking machinery	2,346	2,407	2,462	-2.5	-2.2	3.6	2,154	2,560	2,441	1,958	9,473	8,415	12.6
Turbines, generators, and other power transmission equipment	3,397	4,653	4,177	-27.0	11.4	2.6	3,387	4,807	4,169	3,467	16,295	14,072	15.8
Material handling equipment	2,940	2,936	2,798	0.1	4.9	1.7	2,859	3,281	2,874	2,760	11,552	10,169	13.6
Computers and electronic products ²	22,414	22,597	22,786	-0.8	-0.8	4.2	20,132	25,764	22,453	18,990	87,695	83,418	5.1
Computers	1,220	1,296	1,373	-5.9	-5.6	-2.2	1,087	1,294	1,093	1,334	4,678	5,169	-9.5
Nondefense communications equipment	2,860	3,461	3,313	-17.4	4.5	13.6	2,483	3,643	3,455	2,187	11,949	9,798	22.0
Defense communications equipment	329	378	318	-13.0	18.9	10.4	234	654	298	316	1,467	1,833	-20.0
Electronic components	3,555	3,610	3,640	-1.5	-0.8	4.2	3,343	3,848	3,666	3,651	14,143	14,399	-1.8
Nondefense search and navigation equipment	1,912	1,751	1,528	9.2	14.6	5.4	1,951	1,834	1,637	1,315	6,792	5,133	32.3
Defense search and navigation equipment	3,045	2,922	3,117	4.2	-6.3	6.8	2,789	3,497	3,622	2,281	12,468	11,669	6.8
Electromedical, measuring, and control instruments	7,126	6,787	7,096	5.0	-4.4	0.9	6,503	8,001	6,795	6,305	27,855	28,103	-0.9
Electrical equipment, appliances, and components	10,011	10,065	9,806	-0.5	2.6	-2.1	9,605	10,797	9,726	9,231	39,749	38,720	2.7
Electric lighting equipment	917	925	853	-0.9	8.4	-6.7	919	963	836	915	3,564	3,706	-3.8
Household appliances	1,622	1,604	1,487	1.1	7.9	2.6	1,656	1,749	1,451	1,463	6,189	5,985	3.4
Electrical equipment	3,183	3,074	3,036	3.5	1.3	-7.5	3,111	3,402	3,000	2,949	12,642	12,299	2.8
Transportation equipment	62,253	60,909	68,035	2.2	-10.5	2.6	56,125	69,926	69,386	52,869	255,772	234,031	9.3
Motor vehicle bodies, parts, and trailers	18,339	18,440	18,081	-0.5	2.0	-1.6	18,586	20,053	19,068	17,586	75,039	71,260	5.3
Nondefense aircraft and parts	9,545	8,908	16,672	7.2	-46.6	2.7	5,398	10,404	16,602	5,253	45,796	32,288	41.8
Defense aircraft and parts	3,864	5,855	4,900	-34.0	19.5	15.4	3,118	7,611	4,660	4,006	19,697	20,558	-4.2
Ships and boats	1,140	923	1,702	23.5	-45.8	8.9	1,097	1,249	2,286	3,041	6,890	13,357	-48.4
Furniture and related products	5,288	5,372	5,350	-1.6	0.4	1.6	5,398	5,967	5,667	5,504	21,987	21,304	3.2
Nondurable goods industries	250,757	253,640	255,301	-1.1	-0.7	1.1	254,749	264,470	242,532	252,319	999,114	951,813	5.0

^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 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. 12/11
	Apr. 2012 ^p	Mar. 2012 ^r	Feb. 2012	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2012 ^p	Mar. 2012 ^r	Feb. 2012	Apr. 2011	
All manufacturing industries ²	985,393	986,186	985,934	-0.1	0.0	1.1	996,680	1,000,818	997,401	911,611	9.3
Excluding transportation ²	418,902	418,108	416,867	0.2	0.3	0.8	426,664	425,220	421,957	387,188	10.2
Excluding defense ²	797,449	796,834	796,382	0.1	0.1	1.3	805,211	806,850	806,077	717,812	12.2
Durable goods industries ²	985,393	986,186	985,934	-0.1	0.0	1.1	996,680	1,000,818	997,401	911,611	9.3
Primary metals.....	35,510	35,398	35,433	0.3	-0.1	-2.1	36,888	37,061	37,331	35,070	5.2
Iron and steel mills.....	20,108	19,987	19,990	0.6	0.0	-3.2	21,090	21,263	21,452	20,712	1.8
Aluminum and nonferrous metals.....	11,874	11,884	11,904	-0.1	-0.2	-1.6	12,193	12,192	12,230	11,325	7.7
Ferrous metal foundries.....	3,528	3,527	3,539	0.0	-0.3	2.5	3,605	3,606	3,649	3,033	18.9
Fabricated metal products.....	81,245	80,968	80,088	0.3	1.1	0.8	83,317	82,750	80,024	76,813	8.5
Machinery.....	139,179	139,959	140,675	-0.6	-0.5	1.8	141,277	141,197	142,280	117,292	20.4
Construction machinery.....	27,578	27,834	28,210	-0.9	-1.3	1.1	28,616	28,716	29,340	24,334	17.6
Mining, oil field, and gas field machinery.....	19,565	20,300	21,296	-3.6	-4.7	3.1	19,318	19,981	21,403	16,170	19.5
Industrial machinery.....	9,081	9,047	8,717	0.4	3.8	1.4	9,316	9,074	8,762	9,567	-2.6
Photographic equipment.....	2,778	2,680	2,671	3.7	0.3	1.5	2,795	2,645	2,685	2,551	9.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	9,368	9,316	9,159	0.6	1.7	5.0	9,708	9,346	8,938	8,622	12.6
Metalworking machinery.....	7,697	7,747	7,692	-0.6	0.7	1.5	7,868	7,922	7,877	6,591	19.4
Turbines, generators, and other power transmission equipment.....	28,992	28,955	28,766	0.1	0.7	2.3	29,039	29,056	28,909	19,726	47.2
Material handling equipment.....	8,290	8,147	7,982	1.8	2.1	1.0	8,487	8,282	8,065	7,723	9.9
Computers and electronic products ²	134,301	133,195	132,105	0.8	0.8	0.9	135,948	135,073	133,531	131,898	3.1
Computers.....	1,125	1,129	1,085	-0.4	4.1	-2.7	1,125	1,129	1,085	1,178	-4.5
Nondefense communications equipment.....	27,175	26,960	26,183	0.8	3.0	2.2	27,373	27,147	26,610	24,572	11.4
Defense communications equipment.....	5,438	5,481	5,494	-0.8	-0.2	-1.0	5,551	5,664	5,437	6,841	-18.9
Electronic components.....	13,287	13,301	13,288	-0.1	0.1	0.3	13,345	13,309	13,389	13,174	1.3
Nondefense search and navigation equipment.....	11,643	11,015	10,603	5.7	3.9	2.3	11,784	10,994	10,719	9,369	25.8
Defense search and navigation equipment.....	46,193	46,012	45,929	0.4	0.2	0.4	46,955	46,902	46,498	47,027	-0.2
Electromedical, measuring, and control instruments.....	29,440	29,297	29,523	0.5	-0.8	0.6	29,815	29,928	29,793	29,737	0.3
Electrical equipment, appliances, and components.....	21,485	21,417	21,368	0.3	0.2	-0.3	21,670	21,834	21,868	18,559	16.8
Electric lighting equipment.....	1,067	1,053	1,045	1.3	0.8	-2.9	1,041	997	987	1,024	1.7
Household appliances.....	714	688	644	3.8	6.8	-7.6	737	743	778	671	9.8
Electrical equipment.....	9,994	9,915	9,971	0.8	-0.6	-0.2	10,080	9,903	10,014	9,095	10.8
Transportation equipment.....	566,491	568,078	569,067	-0.3	-0.2	1.3	570,016	575,598	575,444	524,423	8.7
Motor vehicle bodies, parts, and trailers.....	16,771	16,754	16,699	0.1	0.3	0.6	17,042	17,139	17,346	16,601	2.7
Nondefense aircraft and parts.....	395,978	395,820	395,841	0.0	0.0	1.9	396,772	399,681	400,090	346,155	14.6
Defense aircraft and parts.....	60,236	60,536	59,744	-0.5	1.3	1.2	61,571	62,211	60,510	58,704	4.9
Ships and boats.....	19,241	20,251	21,556	-5.0	-6.1	-1.9	19,869	20,987	22,211	26,303	-24.5
Furniture and related products.....	6,297	6,356	6,333	-0.9	0.4	2.2	6,679	6,490	6,058	6,716	-0.6

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

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

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. 12/11
	Apr. 2012 ^p	Mar. 2012 ^r	Feb. 2012	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2012 ^p	Mar. 2012 ^r	Feb. 2012	Apr. 2011	
All manufacturing industries.....	607,242	607,190	606,668	0.0	0.1	0.3	611,089	606,737	607,374	582,827	4.8
Excluding transportation.....	500,665	500,532	500,410	0.0	0.0	0.3	503,654	500,312	501,218	484,913	3.9
Excluding defense.....	581,719	581,950	580,946	0.0	0.2	0.3	585,438	581,380	581,563	556,460	5.2
With unfilled orders.....	295,067	294,235	293,703	0.3	0.2	0.6	297,399	292,856	294,027	277,049	7.3
Durable goods industries.....	364,158	362,921	361,622	0.3	0.4	0.3	366,504	361,474	362,899	343,184	6.8
Wood products.....	8,792	8,733	8,779	0.7	-0.5	-0.4	8,671	8,855	9,079	8,513	1.9
Nonmetallic mineral products.....	11,636	11,603	11,524	0.3	0.7	0.5	11,905	11,859	11,711	11,121	7.0
Primary metals.....	34,632	35,060	35,511	-1.2	-1.3	0.9	35,194	34,763	35,049	34,102	3.2
Iron and steel mills.....	20,604	20,987	21,425	-1.8	-2.0	0.9	21,023	20,690	20,967	20,180	4.2
Aluminum and nonferrous metals.....	11,920	11,985	12,020	-0.5	-0.3	1.2	12,023	11,954	11,961	11,965	0.5
Ferrous metal foundries.....	2,108	2,088	2,066	1.0	1.1	-0.7	2,148	2,119	2,121	1,957	9.8
Fabricated metal products.....	45,851	45,717	45,591	0.3	0.3	0.4	46,016	45,555	45,646	43,931	4.7
Machinery.....	65,211	64,156	63,958	1.6	0.3	0.9	65,848	64,337	65,022	57,728	14.1
Farm machinery.....	3,711	3,611	3,649	2.8	-1.0	2.4	3,807	3,876	4,038	3,248	17.2
Construction machinery.....	5,735	5,743	5,512	-0.1	4.2	0.5	5,826	5,843	5,610	4,572	27.4
Mining, oil field, and gas field machinery.....	7,534	7,366	7,304	2.3	0.8	1.8	7,625	7,363	7,303	6,268	21.6
Industrial machinery.....	7,326	7,291	7,274	0.5	0.2	-2.0	7,318	7,272	7,285	6,797	7.7
Photographic equipment.....	1,419	1,409	1,396	0.7	0.9	-0.9	1,373	1,343	1,393	1,358	1.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,967	3,956	3,998	0.3	-1.1	1.2	4,177	4,007	4,018	4,459	-6.3
Metalworking machinery.....	5,433	5,408	5,266	0.5	2.7	1.1	5,447	5,362	5,158	4,392	24.0
Turbines, generators, and other power transmission equipment.....	10,667	10,187	10,506	4.7	-3.0	2.7	10,799	9,942	10,759	9,182	17.6
Material handling equipment.....	4,169	4,076	4,014	2.3	1.5	1.4	4,152	4,028	4,010	3,514	18.2
Computers and electronic products ²	46,389	46,119	45,385	0.6	1.6	-0.2	46,306	45,294	45,558	45,603	1.5
Computers.....	1,273	1,304	1,251	-2.4	4.2	-3.5	1,195	1,260	1,246	1,195	0.0
Computer storage devices.....	1,081	1,097	1,077	-1.5	1.9	-1.0	1,086	1,034	1,068	1,065	2.0
Other peripheral equipment.....	1,788	1,741	1,691	2.7	3.0	-2.3	1,818	1,669	1,713	1,631	11.5
Nondefense communications equipment.....	6,720	6,781	6,803	-0.9	-0.3	0.4	6,659	6,642	6,928	6,580	1.2
Defense communications equipment.....	1,809	1,803	1,789	0.3	0.8	1.6	1,809	1,803	1,789	2,277	-20.6
Audio and video equipment.....	604	592	588	2.0	0.7	-2.6	557	511	543	557	0.0
Electronic components.....	7,259	7,359	7,144	-1.4	3.0	0.8	7,342	7,227	7,183	7,170	2.4
Nondefense search and navigation equipment.....	3,421	3,376	3,384	1.3	-0.2	3.5	3,465	3,369	3,386	3,226	7.4
Defense search and navigation equipment.....	2,801	2,779	2,713	0.8	2.4	-1.8	2,874	2,803	2,738	2,951	-2.6
Electromedical, measuring and control instruments.....	11,696	11,629	11,674	0.6	-0.4	0.6	11,746	11,418	11,766	11,723	0.2
Electrical equipment, appliances, and components.....	15,437	15,365	15,409	0.5	-0.3	-0.5	15,615	15,335	15,555	15,130	3.2
Electric lighting equipment.....	1,714	1,702	1,701	0.7	0.1	-8.1	1,749	1,687	1,701	1,642	6.5
Household appliances.....	1,720	1,725	1,716	-0.3	0.5	0.8	1,715	1,695	1,735	1,841	-6.8
Electrical equipment.....	4,727	4,680	4,628	1.0	1.1	-0.3	4,742	4,621	4,694	4,619	2.7
Batteries.....	1,052	1,045	1,053	0.7	-0.8	0.3	1,073	1,054	1,054	1,065	0.8
Transportation equipment.....	106,577	106,658	106,258	-0.1	0.4	0.4	107,435	106,425	106,156	97,914	9.7
Automobiles.....	2,589	2,796	2,619	-7.4	6.8	-0.9	2,623	2,679	2,663	2,368	10.8
Light trucks and utility vehicles.....	2,534	2,422	2,500	4.6	-3.1	-7.9	2,574	2,398	2,474	2,269	13.4
Heavy duty trucks.....	1,873	1,962	1,991	-4.5	-1.5	0.6	1,811	1,921	1,961	2,106	-14.0
Motor vehicle bodies, parts, and trailers.....	17,238	17,450	17,410	-1.2	0.2	-0.7	17,415	17,492	17,530	16,504	5.5
Nondefense aircraft and parts.....	56,675	56,540	55,924	0.2	1.1	1.1	57,268	56,487	55,607	49,278	16.2
Defense aircraft and parts.....	13,028	12,838	13,333	1.5	-3.7	1.6	12,994	12,745	13,282	12,860	1.0
Ships and boats.....	2,900	2,798	2,799	3.6	0.0	-2.9	2,944	2,888	2,877	2,827	4.1
Furniture and related products.....	6,019	5,949	5,950	1.2	0.0	-0.7	5,960	5,812	5,881	6,019	-1.0
Miscellaneous durable goods.....	23,614	23,561	23,257	0.2	1.3	-1.5	23,554	23,239	23,242	23,123	1.9
Nondurable goods industries.....	243,084	244,269	245,046	-0.5	-0.3	0.3	244,585	245,263	244,475	239,643	2.1
Food products.....	45,297	45,252	45,100	0.1	0.3	0.4	44,132	44,197	44,981	42,710	3.3
Grain and oilseed milling.....	5,269	5,262	5,183	0.1	1.5	1.7	5,148	5,249	5,386	5,292	-2.7
Dairy products.....	5,922	5,967	5,995	-0.8	-0.5	0.2	6,072	5,924	5,908	5,733	5.9
Meat, poultry, and seafood products.....	7,563	7,629	7,651	-0.9	-0.3	0.6	7,490	7,546	7,611	7,444	0.6
Beverage and tobacco products.....	18,251	18,167	17,925	0.5	1.4	-0.3	18,423	18,467	18,301	17,608	4.6
Beverages.....	14,558	14,480	14,231	0.5	1.7	-0.2	14,726	14,680	14,417	13,848	6.3
Tobacco.....	3,693	3,687	3,694	0.2	-0.2	-0.8	3,697	3,787	3,884	3,760	-1.7
Textile mills.....	3,468	3,488	3,497	-0.6	-0.3	-0.1	3,474	3,458	3,487	3,412	1.8
Textile products.....	3,213	3,225	3,222	-0.4	0.1	0.1	3,229	3,201	3,213	3,171	1.8
Apparel.....	2,261	2,252	2,259	0.4	-0.3	0.2	2,163	2,155	2,219	1,887	14.6
Leather and allied products.....	804	802	803	0.2	-0.1	0.2	794	783	808	781	1.7
Paper products.....	14,258	14,255	14,227	0.0	0.2	0.0	14,323	14,327	14,318	14,336	-0.1
Pulp, paper, and paperboard mills.....	6,272	6,264	6,283	0.1	-0.3	-0.3	6,309	6,320	6,369	6,317	-0.1
Paperboard containers.....	4,065	4,073	4,045	-0.2	0.7	0.9	4,096	4,110	4,094	4,049	1.2
Printing.....	5,343	5,343	5,383	0.0	-0.7	0.1	5,382	5,371	5,393	5,666	-5.0
Petroleum and coal products.....	55,036	55,925	57,163	-1.6	-2.2	1.7	56,886	57,293	55,638	55,473	2.5
Petroleum refineries.....	50,968	51,833	52,972	-1.7	-2.2	1.9	52,852	53,300	51,477	52,004	1.6
Chemical products.....	73,378	73,806	73,946	-0.6	-0.2	-0.6	73,742	74,072	74,442	73,747	0.0
Pesticides, fertilizers, and other agricultural chemicals.....	3,724	3,886	4,119	-4.2	-5.7	-2.1	3,815	4,374	4,819	4,180	-8.7
Pharmaceuticals and medicines.....	23,959	24,165	24,428	-0.9	-1.1	-0.6	24,014	24,037	24,426	25,333	-5.2
Paints, coatings, and adhesives.....	2,909	2,859	2,935	1.7	-2.6	-0.2	2,983	2,938	3,053	3,111	-4.1
Plastics and rubber products.....	21,775	21,754	21,521	0.1	1.1	0.6	22,037	21,939	21,675	20,852	5.7

^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 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						
	Monthly			Percent Change			Monthly				Year to date		Percent Change ⁶ 2012/ 2011
	Apr. 2012 ^p	Mar. 2012 ^r	Feb. 2012	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2012 ^p	Mar. 2012 ^r	Feb. 2012	Apr. 2011	2012 ^p	2011	
SHIPMENTS													
All manufacturing industries	473,221	474,690	474,382	-0.3	0.1	0.4	475,626	503,185	455,298	455,439	1,870,390	1,750,151	6.9
Construction materials and supplies.....	41,234	41,323	40,741	-0.2	1.4	-1.1	41,311	41,492	36,863	38,443	155,221	143,650	8.1
Information technology.....	21,761	22,010	22,182	-1.1	-0.8	0.4	19,932	24,704	20,500	20,435	84,075	83,950	0.1
Computers and related products	2,851	2,877	3,071	-0.9	-6.3	0.0	2,209	3,490	2,361	2,442	10,387	10,378	0.1
Motor vehicle and parts.....	44,023	41,622	40,842	5.8	1.9	-0.1	43,501	45,946	42,388	36,789	169,632	151,922	11.7
Capital goods.....	77,217	78,410	76,855	-1.5	2.0	-0.5	74,264	87,536	73,429	70,488	301,872	280,785	7.5
Nondefense capital goods ³	69,475	69,901	69,034	-0.6	1.3	0.3	66,857	77,978	65,457	61,580	269,966	243,647	10.8
Excluding aircraft.....	63,303	64,293	63,132	-1.5	1.8	1.4	61,367	71,110	60,008	57,713	247,924	228,099	8.7
Defense capital goods ⁴	7,742	8,509	7,821	-9.0	8.8	-7.6	7,407	9,558	7,972	8,908	31,906	37,138	-14.1
Consumer goods.....	203,853	203,690	205,057	0.1	-0.7	1.3	204,889	212,864	196,911	198,600	805,022	757,913	6.2
Consumer durable goods.....	36,191	33,740	33,163	7.3	1.7	1.5	35,409	37,589	33,977	29,732	136,502	123,149	10.8
Consumer nondurable goods.....	167,662	169,950	171,894	-1.3	-1.1	1.3	169,480	175,275	162,934	168,868	668,520	634,764	5.3
NEW ORDERS													
All manufacturing industries ⁵	465,975	468,921	478,879	-0.6	-2.1	1.5	463,137	502,316	466,795	448,748	1,874,929	1,758,648	6.6
Construction materials and supplies.....	41,018	41,280	41,187	-0.6	0.2	0.1	41,767	42,494	38,005	39,497	158,170	148,695	6.4
Information technology.....	22,928	23,149	23,322	-1.0	-0.7	3.9	20,542	26,388	23,091	18,938	90,241	85,038	6.1
Computers and related products	2,847	2,921	3,041	-2.5	-3.9	0.4	2,205	3,534	2,331	2,409	10,356	10,292	0.6
Motor vehicle and parts.....	44,040	41,677	40,946	5.7	1.8	0.4	43,404	45,739	42,631	36,683	169,556	151,980	11.6
Capital goods.....	76,378	78,481	87,903	-2.7	-10.7	3.1	70,018	90,089	88,309	71,879	327,723	307,306	6.6
Nondefense capital goods ³	69,746	70,030	79,777	-0.4	-12.2	1.9	64,735	78,093	79,521	62,856	294,296	261,802	12.4
Excluding aircraft.....	63,580	64,967	66,512	-2.1	-2.3	2.9	62,146	72,129	66,331	60,787	261,747	243,108	7.7
Defense capital goods ⁴	6,632	8,451	8,126	-21.5	4.0	16.2	5,283	11,996	8,788	9,023	33,427	45,504	-26.5
Consumer goods.....	203,905	203,613	205,040	0.1	-0.7	1.4	204,903	212,840	197,216	198,600	805,448	758,468	6.2
Consumer durable goods.....	36,243	33,663	33,146	7.7	1.6	1.7	35,423	37,565	34,282	29,732	136,928	123,704	10.7
Consumer nondurable goods.....	167,662	169,950	171,894	-1.3	-1.1	1.3	169,480	175,275	162,934	168,868	668,520	634,764	5.3
UNFILLED ORDERS													
All manufacturing industries ⁵	985,393	986,186	985,934	-0.1	0.0	1.1	996,680	1,000,818	997,401	911,611	(X)	(X)	9.3
Construction materials and supplies.....	55,431	55,647	55,690	-0.4	-0.1	0.8	56,746	56,290	55,288	55,888	(X)	(X)	1.5
Information technology.....	133,502	132,335	131,196	0.9	0.9	0.9	135,210	134,600	132,916	129,044	(X)	(X)	4.8
Computers and related products	1,125	1,129	1,085	-0.4	4.1	-2.7	1,125	1,129	1,085	1,178	(X)	(X)	-4.5
Motor vehicle and parts.....	16,771	16,754	16,699	0.1	0.3	0.6	17,042	17,139	17,346	16,601	(X)	(X)	2.7
Capital goods.....	748,361	749,200	749,129	-0.1	0.0	1.5	755,297	759,543	756,990	680,736	(X)	(X)	11.0
Nondefense capital goods ³	584,356	584,085	583,956	0.0	0.0	1.9	588,445	590,567	590,452	510,840	(X)	(X)	15.2
Excluding aircraft.....	243,479	243,202	242,528	0.1	0.3	1.4	247,230	246,451	245,432	216,119	(X)	(X)	14.4
Defense capital goods ⁴	164,005	165,115	165,173	-0.7	0.0	0.2	166,852	168,976	166,538	169,896	(X)	(X)	-1.8
Consumer goods.....	3,882	3,830	3,907	1.4	-2.0	-0.4	4,173	4,159	4,183	4,192	(X)	(X)	-0.5
Consumer durable goods.....	3,882	3,830	3,907	1.4	-2.0	-0.4	4,173	4,159	4,183	4,192	(X)	(X)	-0.5
TOTAL INVENTORIES													
All manufacturing industries	607,242	607,190	606,668	0.0	0.1	0.3	611,089	606,737	607,374	582,827	(X)	(X)	4.8
Construction materials and supplies.....	58,651	58,510	58,555	0.2	-0.1	0.0	59,147	58,737	59,078	57,604	(X)	(X)	2.7
Information technology.....	39,178	39,052	39,005	0.3	0.1	0.3	39,259	38,441	39,260	38,902	(X)	(X)	0.9
Computers and related products	4,142	4,142	4,019	0.0	3.1	-2.3	4,099	3,963	4,027	3,891	(X)	(X)	5.3
Motor vehicle and parts.....	24,234	24,630	24,520	-1.6	0.4	-1.4	24,423	24,490	24,628	23,247	(X)	(X)	5.1
Capital goods.....	186,907	185,340	184,581	0.8	0.4	0.5	188,205	184,773	185,363	171,981	(X)	(X)	9.4
Nondefense capital goods ³	166,222	164,971	163,862	0.8	0.7	0.6	167,358	164,194	164,504	150,730	(X)	(X)	11.0
Excluding aircraft.....	118,828	117,774	117,231	0.9	0.5	0.3	119,380	116,947	118,269	109,674	(X)	(X)	8.8
Defense capital goods ⁴	20,685	20,369	20,719	1.6	-1.7	0.2	20,847	20,579	20,859	21,251	(X)	(X)	-1.9
Consumer goods.....	181,837	182,763	183,588	-0.5	-0.4	0.4	182,483	182,719	182,673	179,208	(X)	(X)	1.8
Consumer durable goods.....	24,942	24,910	24,664	0.1	1.0	-1.1	24,761	24,448	24,989	23,811	(X)	(X)	4.0
Consumer nondurable goods.....	156,895	157,853	158,924	-0.6	-0.7	0.6	157,722	158,271	157,684	155,397	(X)	(X)	1.5

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

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

² Topical series are regroupings of the separate industry categories.

³ Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; and 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. 12/11
	Apr. 2012 ^p	Mar. 2012 ^r	Feb. 2012	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2012 ^p	Mar. 2012 ^r	Feb. 2012	Apr. 2011	
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries.....	202,593	201,435	200,171	0.6	0.6	-0.1	203,489	201,520	200,384	191,722	6.1
Durable goods industries.....	119,486	119,313	118,546	0.1	0.6	0.2	119,485	118,468	118,555	111,444	7.2
Wood products.....	3,481	3,436	3,481	1.3	-1.3	-0.7	3,267	3,383	3,624	3,136	4.2
Nonmetallic mineral products.....	4,798	4,806	4,747	-0.2	1.2	0.8	4,819	4,833	4,761	4,393	9.7
Primary metals.....	13,077	13,455	13,715	-2.8	-1.9	1.6	13,028	13,229	13,439	12,861	1.3
Fabricated metal products.....	16,930	16,829	16,667	0.6	1.0	0.4	16,829	16,661	16,601	15,890	5.9
Machinery.....	25,080	24,896	24,822	0.7	0.3	1.3	25,182	24,771	24,841	22,011	14.4
Computers and electronic products.....	17,477	17,356	16,888	0.7	2.8	0.0	17,518	17,129	16,810	16,571	5.7
Electrical equipment, appliances, and components.....	6,792	6,759	6,802	0.5	-0.6	0.1	6,879	6,807	6,855	6,467	6.4
Transportation equipment.....	21,041	21,018	20,694	0.1	1.6	-1.9	21,162	20,965	20,872	19,804	6.9
Furniture and related products.....	2,893	2,852	2,849	1.4	0.1	-2.5	2,883	2,826	2,842	2,870	0.5
Miscellaneous products.....	7,917	7,906	7,881	0.1	0.3	0.4	7,918	7,864	7,910	7,441	6.4
Nondurable goods industries.....	83,107	82,122	81,625	1.2	0.6	-0.4	84,004	83,052	81,829	80,278	4.6
Food products.....	14,559	14,622	14,606	-0.4	0.1	0.7	14,434	14,554	14,797	14,413	0.1
Beverage and tobacco products.....	4,823	4,808	4,703	0.3	2.2	0.3	4,885	4,946	4,881	4,591	6.4
Textiles.....	1,223	1,235	1,255	-1.0	-1.6	0.2	1,232	1,223	1,244	1,235	-0.2
Textile products.....	1,537	1,526	1,515	0.7	0.7	0.6	1,540	1,501	1,497	1,402	9.8
Apparel.....	710	705	699	0.7	0.9	1.2	705	697	699	569	23.9
Leather and allied products.....	262	261	264	0.4	-1.1	3.1	261	252	260	263	-0.8
Paper products.....	7,064	7,049	7,038	0.2	0.2	0.0	7,067	7,115	7,108	6,947	1.7
Printing.....	2,539	2,574	2,606	-1.4	-1.2	0.6	2,521	2,594	2,592	2,694	-6.4
Petroleum and coal products.....	18,225	17,523	17,481	4.0	0.2	-1.8	19,000	18,227	17,078	16,761	13.4
Chemical products.....	23,286	23,176	22,880	0.5	1.3	-0.5	23,363	23,271	23,019	22,722	2.8
Plastics and rubber products.....	8,879	8,643	8,578	2.7	0.8	-1.1	8,996	8,672	8,654	8,681	3.6
<u>WORK IN PROCESS</u>											
All manufacturing industries.....	186,032	187,449	188,049	-0.8	-0.3	0.7	187,507	187,407	188,213	179,266	4.6
Durable goods industries.....	140,838	140,301	140,128	0.4	0.1	0.7	141,915	139,470	140,120	132,109	7.4
Wood products.....	1,485	1,468	1,481	1.2	-0.9	0.9	1,504	1,491	1,494	1,452	3.6
Nonmetallic mineral products.....	1,338	1,310	1,305	2.1	0.4	0.5	1,394	1,355	1,336	1,296	7.6
Primary metals.....	11,307	11,348	11,485	-0.4	-1.2	1.3	11,606	11,180	11,344	11,192	3.7
Fabricated metal products.....	13,438	13,372	13,354	0.5	0.1	0.5	13,417	13,188	13,360	12,052	11.3
Machinery.....	16,842	16,455	16,440	2.4	0.1	-1.2	16,935	16,308	16,677	15,508	9.2
Computers and electronic products.....	16,688	16,716	16,524	-0.2	1.2	-0.9	16,653	16,455	16,537	17,502	-4.9
Electrical equipment, appliances, and components.....	3,558	3,555	3,571	0.1	-0.4	-1.5	3,627	3,527	3,597	3,507	3.4
Transportation equipment.....	71,864	71,792	71,767	0.1	0.0	1.6	72,451	71,727	71,571	65,503	10.6
Furniture and related products.....	1,033	1,022	1,002	1.1	2.0	1.7	1,030	1,012	1,000	980	5.1
Miscellaneous products.....	3,285	3,263	3,199	0.7	2.0	-1.2	3,298	3,227	3,204	3,117	5.8
Nondurable goods industries.....	45,194	47,148	47,921	-4.1	-1.6	0.8	45,592	47,937	48,093	47,157	-3.3
Food products.....	3,999	3,922	3,831	2.0	2.4	-1.7	3,621	3,742	3,904	3,428	5.6
Beverage and tobacco products.....	5,916	5,887	5,848	0.5	0.7	-0.3	5,884	5,995	6,091	5,751	2.3
Textiles.....	782	785	786	-0.4	-0.1	-0.3	780	773	773	778	0.3
Textile products.....	419	430	434	-2.6	-0.9	-1.4	425	435	438	466	-8.8
Apparel.....	368	374	363	-1.6	3.0	0.0	368	359	352	340	8.2
Leather and allied products.....	122	120	120	1.7	0.0	-2.4	120	120	123	109	10.1
Paper products.....	1,296	1,311	1,329	-1.1	-1.4	-0.2	1,293	1,301	1,334	1,338	-3.4
Printing.....	1,188	1,198	1,218	-0.8	-1.6	-0.7	1,194	1,210	1,261	1,353	-11.8
Petroleum and coal products.....	13,580	15,213	15,939	-10.7	-4.6	4.3	14,379	16,112	15,735	15,993	-10.1
Chemical products.....	15,290	15,686	15,857	-2.5	-1.1	-1.0	15,260	15,625	15,834	15,522	-1.7
Plastics and rubber products.....	2,234	2,222	2,196	0.5	1.2	0.0	2,268	2,265	2,248	2,079	9.1
<u>FINISHED GOODS</u>											
All manufacturing industries.....	218,617	218,306	218,448	0.1	-0.1	0.3	220,093	217,810	218,777	211,839	3.9
Durable goods industries.....	103,834	103,307	102,948	0.5	0.3	-0.2	105,104	103,536	104,224	99,631	5.5
Wood products.....	3,826	3,829	3,817	-0.1	0.3	-0.7	3,900	3,981	3,961	3,925	-0.6
Nonmetallic mineral products.....	5,500	5,487	5,472	0.2	0.3	0.1	5,692	5,671	5,614	5,432	4.8
Primary metals.....	10,248	10,257	10,311	-0.1	-0.5	-0.3	10,560	10,354	10,266	10,049	5.1
Fabricated metal products.....	15,483	15,516	15,570	-0.2	-0.3	0.4	15,770	15,706	15,685	15,989	-1.4
Machinery.....	23,289	22,805	22,696	2.1	0.5	2.1	23,731	23,258	23,504	20,209	17.4
Computers and electronic products.....	12,224	12,047	11,973	1.5	0.6	0.4	12,135	11,710	12,211	11,530	5.2
Electrical equipment, appliances, and components.....	5,087	5,051	5,036	0.7	0.3	-0.5	5,109	5,001	5,103	5,156	-0.9
Transportation equipment.....	13,672	13,848	13,797	-1.3	0.4	-2.3	13,822	13,733	13,713	12,607	9.6
Furniture and related products.....	2,093	2,075	2,099	0.9	-1.1	0.7	2,047	2,037	2,039	2,169	-5.6
Miscellaneous products.....	12,412	12,392	12,177	0.2	1.8	-2.8	12,338	12,148	12,128	12,565	-1.8
Nondurable goods industries.....	114,783	114,999	115,500	-0.2	-0.4	0.6	114,989	114,274	114,553	112,208	2.5
Food products.....	26,739	26,708	26,663	0.1	0.2	0.5	26,077	25,901	26,280	24,869	4.9
Beverage and tobacco products.....	7,512	7,472	7,374	0.5	1.3	-0.8	7,654	7,526	7,329	7,266	5.3
Textiles.....	1,463	1,468	1,456	-0.3	0.8	-0.3	1,462	1,462	1,470	1,399	4.5
Textile products.....	1,257	1,269	1,273	-0.9	-0.3	-0.1	1,264	1,265	1,278	1,303	-3.0
Apparel.....	1,183	1,173	1,197	0.9	-2.0	-0.3	1,090	1,099	1,168	978	11.5
Leather and allied products.....	420	421	419	-0.2	0.5	-0.7	413	411	425	409	1.0
Paper products.....	5,898	5,895	5,860	0.1	0.6	0.2	5,963	5,911	5,876	6,051	-1.5
Printing.....	1,616	1,571	1,559	2.9	0.8	0.1	1,667	1,567	1,540	1,619	3.0
Petroleum and coal products.....	23,231	23,189	23,743	0.2	-2.3	2.7	23,507	22,954	22,825	22,719	3.5
Chemical products.....	34,802	34,944	35,209	-0.4	-0.8	-0.5	35,119	35,176	35,589	35,503	-1.1
Plastics and rubber products.....	10,662	10,889	10,747	-2.1	1.3	2.2	10,773	11,002	10,773	10,092	6.7

^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 2012 ^p	Mar 2012 ^r	Feb 2012	Jan 2012	Apr 2012 ^p	Mar 2012 ^r	Feb 2012	Jan 2012
All manufacturing industries ²	1.28	1.28	1.28	1.28	(X)	(X)	(X)	(X)
Durable goods industries ²	1.64	1.64	1.65	1.64	6.33	6.29	6.36	6.23
Wood products.....	1.45	1.45	1.49	1.44	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.44	1.45	1.44	1.44	(X)	(X)	(X)	(X)
Primary metals.....	1.22	1.24	1.23	1.22	1.25	1.25	1.22	1.26
Fabricated metal products.....	1.66	1.66	1.65	1.63	3.06	3.05	3.01	2.95
Machinery.....	2.05	1.97	2.06	2.10	4.86	4.78	5.03	5.10
Computers and electronic products ²	1.67	1.68	1.61	1.62	7.09	6.97	6.86	6.83
Electrical equipment, appliances, and components.....	1.55	1.53	1.56	1.55	2.40	2.37	2.40	2.39
Transportation equipment.....	1.67	1.72	1.76	1.70	14.85	14.69	15.13	14.10
Furniture and related products.....	1.13	1.11	1.14	1.13	1.36	1.38	1.41	1.36
Miscellaneous products.....	1.73	1.71	1.69	1.73	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.97	0.96	0.96	0.97	(X)	(X)	(X)	(X)
Food products.....	0.75	0.76	0.76	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.47	1.50	1.48	1.55	(X)	(X)	(X)	(X)
Textiles.....	1.40	1.40	1.42	1.42	(X)	(X)	(X)	(X)
Textile products.....	1.65	1.65	1.68	1.66	(X)	(X)	(X)	(X)
Apparel.....	1.80	1.81	1.80	1.75	(X)	(X)	(X)	(X)
Leather and allied products.....	1.73	1.74	1.83	1.77	(X)	(X)	(X)	(X)
Paper products.....	1.02	1.02	1.02	1.02	(X)	(X)	(X)	(X)
Printing.....	0.80	0.80	0.82	0.81	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.79	0.77	0.76	0.78	(X)	(X)	(X)	(X)
Chemical products.....	1.15	1.15	1.14	1.16	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.23	1.23	1.21	1.21	(X)	(X)	(X)	(X)

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

¹ Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes³

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Apr ¹	Apr ²	Apr ¹	Apr ²	Apr ¹	Apr ²	Apr ¹	Apr ²
	2012	2011- Mar	2012	2011- Mar	2012	2011- Mar	2012	2011- Mar
All manufacturing industries.....	(X)	0.3	(X)	0.4	(X)	0.1	(X)	0.1
Durable goods industries.....	-0.1	0.2	-0.2	0.5	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6
Nonmetallic mineral products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.1	0.9	-0.8	1.7	-0.1	0.8	0.0	0.6
Fabricated metal products.....	0.3	0.4	-0.1	0.7	-0.1	0.2	0.1	0.3
Machinery.....	0.0	0.8	-0.1	1.9	-0.1	0.5	-0.1	0.1
Computers and electronic products.....	-0.1	0.4	-0.2	0.8	-0.1	0.2	0.1	0.1
Electrical equipment, appliances, and components.....	-0.1	0.5	-0.4	1.0	-0.1	0.4	0.1	0.4
Transportation equipment.....	0.0	0.4	0.1	0.9	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.4	(X)	0.8	(X)	0.7	(X)	0.3
Miscellaneous products.....	(X)	0.6	(X)	0.6	(X)	0.2	(X)	0.4
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.5
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.7
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.3
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.4
Chemical products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.4

X Not Applicable NA Not Available

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

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

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

Survey Description

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

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