

U.S. Census Bureau News

U.S. Department of Commerce • Washington, D.C. 20233

FOR IMMEDIATE RELEASE
WEDNESDAY, JUNE 5, 2013, AT 10:00 A.M. EDT

Chris Savage or Adriana Stoica
Manufacturing and Construction Division
(301) 763-4832

M3-2 (13)-04
CB13-103

Full Report on Manufacturers' Shipments, Inventories and Orders April 2013

Summary

New orders for manufactured goods in April, up two of the last three months, increased \$4.9 billion or 1.0 percent to \$474.0 billion, the U.S. Census Bureau reported today. This followed a 4.7 percent March decrease. Excluding transportation, new orders decreased 0.1 percent.

Shipments, down two consecutive months, decreased \$3.5 billion or 0.7 percent to \$478.7 billion. This followed a 1.5 percent March decrease.

Unfilled orders, up two of the last three months, increased \$2.6 billion or 0.3 percent to \$995.9 billion. This followed a 0.6 percent March decrease. The unfilled orders-to-shipments ratio was 6.26, up from 6.21 in March.

Inventories, up five consecutive months, increased \$1.1 billion or 0.2 percent to \$627.9 billion. This was at the highest level since the series was first published on a NAICS basis in 1992, and followed a slight March increase. The inventories-to-shipments ratio was 1.31, up from 1.30 in March.

New Orders

New orders for manufactured durable goods in April, up two of the last three months, increased \$7.4 billion or 3.5 percent to \$222.7 billion, revised from the previously published 3.3 percent increase. This followed a 5.9 percent March decrease.

Transportation equipment, also up two of the last three months, led the increase, up \$5.2 billion or 8.4 percent to \$67.4 billion.

New orders for manufactured nondurable goods decreased \$2.6 billion or 1.0 percent to \$251.3 billion.

Shipments

Shipments of manufactured durable goods in April, down following two consecutive monthly increases, decreased \$1.0 billion or 0.4 percent to \$227.4 billion, revised from the previously published 0.6 percent decrease. This followed a 0.9 percent March increase.

Computers and electronic products, down three of the

last four months, led the decrease, down \$0.8 billion or 3.0 percent to \$27.6 billion.

Shipments of manufactured nondurable goods, down two consecutive months, decreased \$2.6 billion or 1.0 percent to \$251.3 billion. This followed a 3.5 percent March decrease. Petroleum and coal products, also down two consecutive months, drove the decrease, down \$3.3 billion or 4.6 percent to \$68.7 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in April, up two of the last three months, increased \$2.6 billion or 0.3 percent to \$995.9 billion, unchanged from the previously published increase. This followed a 0.6 percent March decrease.

Computers and electronic products, up following two consecutive monthly decreases, led the increase, up \$0.9 billion or 0.7 percent to \$131.7 billion.

Inventories

Inventories of manufactured durable goods in April, up three of the last four months, increased \$1.3 billion or 0.3 percent to \$377.8 billion, revised from the previously published 0.4 percent increase. This was at the highest level since the series was first published on a NAICS basis, and followed a 0.1 percent March decrease.

Transportation equipment, up thirty-two of the last thirty-three months, drove the increase, up \$1.7 billion or 1.4 percent to \$116.4 billion.

Inventories of manufactured nondurable goods, down two of the last three months, decreased \$0.2 billion or 0.1 percent to \$250.1 billion. This followed a 0.2 percent March increase. Petroleum and coal products, down six of the last seven months, drove the decrease, down \$1.1 billion or 2.3 percent to \$46.6 billion.

By stage of fabrication, April materials and supplies decreased 0.4 percent in durable goods and 0.9 percent in nondurable goods. Work in process increased 0.9 percent in durable goods and 1.4 percent in nondurable goods. Finished goods increased 0.4 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 25, 2013, at 8:30 a.m. EDT and the full report on July 2, 2013, at 10:00 a.m. EDT. See back page for survey description. To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets.

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. 2013 ²	Mar. 2013 ²	Feb. 2013	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2013 ²	Mar. 2013 ²	Feb. 2013	Apr. 2012	2013 ²	2012	Percent 2013/2012
All manufacturing industries.....	478,662	482,210	489,470	-0.7	-1.5	1.3	483,249	502,847	454,620	475,870	1,891,628	1,871,764	1.1
Excluding transportation.....	411,825	414,800	424,011	-0.7	-2.2	1.3	417,284	428,316	391,368	415,070	1,631,380	1,628,171	0.2
Excluding defense.....	466,770	469,592	477,511	-0.6	-1.7	1.3	472,269	488,663	443,199	465,189	1,845,585	1,825,850	1.1
With unfilled orders.....	159,221	160,052	158,611	-0.5	0.9	0.4	157,499	172,011	148,466	153,283	620,815	617,344	0.6
Durable goods industries.....	227,385	228,342	226,278	-0.4	0.9	0.7	228,036	242,586	211,765	219,212	886,948	864,997	2.5
Wood products.....	7,090	7,108	7,099	-0.3	0.1	1.1	7,537	7,078	6,332	6,515	27,040	23,635	14.4
Nonmetallic mineral products.....	8,165	8,098	8,146	0.8	-0.6	0.6	8,341	7,840	6,937	8,000	30,186	29,558	2.1
Primary metals.....	24,787	24,561	24,857	0.9	-1.2	-1.0	25,999	25,898	24,309	26,063	101,359	103,913	-2.5
Iron and steel mills.....	10,437	10,306	10,484	1.3	-1.7	-2.5	11,116	10,978	10,247	12,330	43,258	49,749	-13.0
Aluminum and nonferrous metals.....	12,639	12,545	12,643	0.7	-0.8	0.0	13,114	13,080	12,394	11,912	51,167	46,940	9.0
Ferrous metal foundries.....	1,711	1,710	1,730	0.1	-1.2	0.5	1,769	1,840	1,668	1,821	6,934	7,224	-4.0
Fabricated metal products.....	29,067	28,451	28,970	2.2	-1.8	0.5	29,476	28,976	26,792	28,371	112,454	112,109	0.3
Machinery.....	34,639	35,078	34,821	-1.3	0.7	2.4	35,184	37,737	32,410	32,956	135,512	128,872	5.2
Farm machinery.....	2,021	2,131	2,320	-5.2	-8.1	1.8	2,867	2,752	2,636	3,272	10,380	11,446	-9.3
Construction machinery.....	5,357	5,291	5,246	1.2	0.9	3.8	5,028	5,172	4,475	3,762	19,107	14,107	35.4
Mining, oil field, and gas field machinery.....	2,189	2,163	2,188	1.2	-1.1	-0.5	2,043	2,263	2,082	2,143	8,438	8,755	-3.6
Industrial machinery.....	3,564	3,618	3,781	-1.5	-4.3	2.8	3,258	4,307	3,295	3,091	13,771	12,034	14.4
Photographic equipment.....	659	651	646	1.2	0.8	-2.1	587	728	586	571	2,459	2,584	-4.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,758	3,604	3,629	4.3	-0.7	1.2	3,772	3,587	2,974	3,457	13,199	12,608	4.7
Metalworking machinery.....	3,074	2,998	2,973	2.5	0.8	2.9	2,988	3,001	2,577	2,533	11,214	10,061	11.5
Turbines, generators, and other power transmission equipment.....	3,891	4,571	3,840	-14.9	19.0	9.2	4,006	4,752	3,763	3,799	15,825	16,370	-3.3
Material handling equipment.....	2,778	2,714	2,723	2.4	-0.3	-0.4	2,652	2,935	2,607	2,442	10,685	10,089	5.9
Computers and electronic products ²	27,597	28,438	27,534	-3.0	3.3	-1.1	26,691	29,775	23,980	28,338	105,657	109,561	-3.6
Computers.....	503	610	560	-17.5	8.9	-7.7	465	674	434	741	2,055	2,644	-22.3
Computer storage devices.....	977	1,046	941	-6.6	11.2	-1.3	582	1,542	599	545	3,366	3,093	8.8
Other peripheral equipment.....	844	826	718	2.2	15.0	1.0	644	1,035	545	596	2,680	2,970	-9.8
Nondefense communications equipment.....	3,444	3,518	3,513	-2.1	0.1	-1.4	3,014	4,112	3,075	2,869	13,009	12,132	7.2
Defense communications equipment.....	493	418	401	17.9	4.2	0.3	480	448	387	417	1,676	1,791	-6.4
Audio and video equipment.....	252	249	261	1.2	-4.6	4.4	187	244	217	202	858	837	2.5
Electronic components.....	3,479	3,339	3,356	4.2	-0.5	-3.9	3,293	3,525	3,065	3,287	13,121	13,819	-5.1
Nondefense search and navigation equipment.....	1,234	1,260	1,346	-2.1	-6.4	2.0	1,119	1,431	1,272	1,182	4,971	5,224	-4.8
Defense search and navigation equipment.....	2,797	2,914	3,018	-4.0	-3.4	1.3	2,546	3,088	2,987	2,824	11,172	11,708	-4.6
Electromedical, measuring, and control instruments.....	6,038	6,479	6,306	-6.8	2.7	4.4	5,689	7,306	5,712	6,899	23,923	27,574	-13.2
Electrical equipment, appliances, and components.....	10,289	10,273	10,383	0.2	-1.1	1.1	10,234	10,889	9,592	10,112	40,005	40,322	-0.8
Electric lighting equipment.....	814	813	823	0.1	-1.2	0.1	795	826	784	948	3,183	3,873	-17.8
Household appliances.....	1,608	1,615	1,632	-0.4	-1.0	0.3	1,699	1,758	1,486	1,593	6,317	5,939	6.4
Electrical equipment.....	3,352	3,344	3,372	0.2	-0.8	1.2	3,220	3,668	3,114	3,226	12,940	13,232	-2.2
Batteries.....	1,009	985	976	2.4	0.9	2.3	949	925	817	888	3,509	3,479	0.9
Transportation equipment.....	66,837	67,410	65,459	-0.9	3.0	1.4	65,965	74,531	63,252	60,800	260,248	243,593	6.8
Automobiles.....	10,584	10,855	10,760	-2.5	0.9	5.4	10,595	11,387	10,591	8,659	42,362	33,176	27.7
Light trucks and utility vehicles.....	12,686	12,230	12,299	3.7	-0.6	5.9	12,870	13,276	12,381	11,525	48,982	43,028	13.8
Heavy duty trucks.....	2,336	2,207	2,127	5.8	3.8	-0.8	2,406	2,258	2,000	2,455	8,658	10,180	-15.0
Motor vehicle bodies, parts, and trailers.....	19,547	18,870	18,698	3.6	0.9	2.3	20,257	20,091	18,633	18,334	76,271	73,824	3.3
Nondefense aircraft and parts.....	9,710	10,783	9,468	-10.0	13.9	-11.7	8,519	13,170	8,408	8,963	37,853	37,501	0.9
Defense aircraft and parts.....	4,698	5,102	4,671	-7.9	9.2	7.4	4,133	6,016	4,253	3,884	17,775	18,120	-1.9
Ships and boats.....	2,366	2,402	2,347	-1.5	2.3	1.2	2,422	2,649	2,314	2,393	9,339	9,491	-1.6
Furniture and related products.....	5,558	5,471	5,457	1.6	0.3	0.3	5,487	5,600	5,316	5,236	21,566	21,010	2.6
Miscellaneous durable goods.....	13,356	13,454	13,552	-0.7	-0.7	0.1	13,122	14,262	12,845	12,821	52,921	52,424	0.9
Nondurable goods industries.....	251,277	253,868	263,192	-1.0	-3.5	1.9	255,213	260,261	242,855	256,658	1,004,680	1,006,767	-0.2
Food products.....	62,281	61,929	62,346	0.6	-0.7	0.4	60,372	62,453	59,500	57,889	242,849	235,190	3.3
Grain and oilseed milling.....	8,261	8,470	8,577	-2.5	-1.2	-0.1	7,809	8,273	8,085	7,551	32,795	31,019	5.7
Dairy products.....	8,583	8,457	8,529	1.5	-0.8	0.8	8,358	8,498	7,758	8,117	32,877	33,261	-1.2
Meat, poultry, and seafood products.....	17,929	17,641	17,760	1.6	-0.7	0.2	17,630	17,687	17,234	17,266	69,554	69,155	0.6
Beverage and tobacco products.....	12,071	11,849	11,506	1.9	3.0	0.8	12,145	11,762	10,497	11,967	44,670	44,825	-0.3
Beverages.....	8,642	8,645	8,669	0.0	-0.3	1.4	8,716	8,558	7,660	8,625	32,336	32,296	0.1
Tobacco.....	3,429	3,204	2,837	7.0	12.9	-0.9	3,429	3,204	2,837	3,342	12,334	12,529	-1.6
Textile mills.....	2,606	2,563	2,601	1.7	-1.5	2.4	2,667	2,699	2,549	2,622	10,292	10,437	-1.4
Textile products.....	2,021	2,017	2,033	0.2	-0.8	1.7	2,115	2,136	1,988	1,995	8,034	7,648	5.0
Apparel.....	1,117	1,079	1,106	3.5	-2.4	-0.6	1,022	1,028	1,075	973	4,145	4,082	1.5
Leather and allied products.....	476	471	481	1.1	-2.1	-5.9	468	497	498	475	1,903	1,872	1.7
Paper products.....	14,267	14,238	14,293	0.2	-0.4	0.0	14,122	14,345	13,321	14,267	55,859	57,412	-2.7
Pulp, paper, and paperboard mills.....	6,676	6,710	6,745	-0.5	-0.5	0.0	6,545	6,772	6,294	6,587	26,356	26,853	-1.9
Paperboard containers.....	4,306	4,247	4,257	1.4	-0.2	0.2	4,358	4,293	3,925	4,296	16,722	16,919	-1.2
Printing.....	6,680	6,586	6,696	1.4	-1.6	-1.3	6,773	6,704	6,025	6,724	25,951	26,113	-0.6
Petroleum and coal products.....	68,733	72,031	79,731	-4.6	-9.7	6.4	70,520	73,316	70,016	74,867	284,112	287,202	-1.1
Petroleum refineries.....	65,521	68,667	76,079	-4.6	-9.7	7.3	67,363	70,164	67,009	71,272	271,662	273,918	-0.8
Chemical products.....	62,851	63,055	63,856	-0.3	-1.3	-0.4	66,133	66,716	60,112	66,553	254,333	261,146	-2.6
Pesticides, fertilizers, and other agricultural chemicals.....	2,575	2,509	2,914	2.6	-13.9	-3.4	3,722	3,395	2,778	4,747	12,499	14,904	-16.1
Pharmaceuticals and medicines.....	15,488	15,279	15,065	1.4	1.4	-1.6	15,632	15,700	13,973	15,514	60,119	63,009	-4.6
Paints, coatings, and adhesives.....	3,006	3,004	3,053	0.1	-1.6	1.0	3,273	3,121	2,822	3,267	11,950	12,125	-1.4
Plastics and rubber products.....	18,174	18,050	18,543	0.7	-2.7	-0.1	18,876	18,605	17,274	18,326	72,532	70,840	2.4

² Preliminary¹ 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. 2013 ^p	Mar. 2013 ^f	Feb. 2013	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2013 ^p	Mar. 2013 ^f	Feb. 2013	Apr. 2012	2013 ^p	2012	Percent 2013/2012
All manufacturing industries ²	473,991	469,135	492,026	1.0	-4.7	3.9	473,545	492,064	467,352	465,603	1,881,484	1,877,257	0.2
Excluding transportation ²	406,554	406,901	418,773	-0.1	-2.8	1.1	412,636	424,636	393,387	409,782	1,625,934	1,623,086	0.2
Excluding defense ²	463,774	461,658	480,715	0.5	-4.0	3.5	466,192	481,459	455,876	457,258	1,843,164	1,828,952	0.8
With unfilled orders ²	161,798	154,464	167,982	4.7	-8.0	8.0	156,212	167,322	166,627	151,533	638,422	649,545	-1.7
Durable goods industries ²	222,714	215,267	228,834	3.5	-5.9	6.4	218,332	231,803	224,497	208,945	876,804	870,490	0.7
Primary metals.....	25,029	24,731	26,175	1.2	-5.5	10.6	26,229	25,985	26,467	26,288	104,013	105,072	-1.0
Iron and steel mills.....	10,729	10,561	11,710	1.6	-9.8	26.3	11,211	11,084	12,077	12,333	45,107	50,457	-10.6
Aluminum and nonferrous metals.....	12,634	12,497	12,772	1.1	-2.2	0.7	13,309	13,116	12,688	12,091	51,940	47,061	10.4
Ferrous metal foundries.....	1,666	1,673	1,693	-0.4	-1.2	-1.3	1,709	1,785	1,702	1,864	6,966	7,554	-7.8
Fabricated metal products.....	29,863	29,364	29,604	1.7	-0.8	-4.6	30,585	32,669	29,913	29,765	123,587	119,109	3.8
Machinery.....	34,519	33,982	34,494	1.6	-1.5	-4.2	35,904	36,501	33,077	33,216	139,673	134,669	3.7
Construction machinery.....	4,926	4,826	5,060	2.1	-4.6	-15.7	4,811	4,611	4,544	3,695	19,922	15,203	31.0
Mining, oil field, and gas field machinery.....	2,006	2,033	2,697	-1.3	-24.6	17.6	1,718	2,010	2,747	1,709	8,849	8,184	8.1
Industrial machinery.....	3,743	3,563	3,509	5.1	1.5	-2.1	3,821	4,288	2,977	3,302	14,189	12,889	10.1
Photographic equipment.....	723	684	682	5.7	0.3	7.4	789	647	702	746	2,805	2,973	-5.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,596	3,384	3,652	6.3	-7.3	1.3	3,653	3,463	3,207	3,740	13,211	13,510	-2.2
Metalworking machinery.....	3,158	2,873	2,815	9.9	2.1	-0.4	3,092	2,783	2,565	2,494	11,212	10,551	6.3
Turbines, generators, and other power transmission equipment.....	4,138	4,337	3,647	-4.6	18.9	-18.5	4,173	4,456	3,502	3,818	16,436	17,749	-7.4
Material handling equipment.....	2,866	2,818	2,694	1.7	4.6	-9.4	2,874	3,160	2,704	2,686	11,611	11,009	5.5
Computers and electronic products ²	21,220	20,595	20,716	3.0	-0.6	-0.9	19,645	23,357	19,466	21,048	80,617	88,632	-9.0
Computers.....	529	582	804	-9.1	-27.6	34.9	491	646	678	700	2,286	2,642	-13.5
Nondefense communications equipment.....	3,880	3,889	3,512	-0.2	10.7	-16.9	3,648	4,300	3,376	3,466	14,858	14,185	4.7
Defense communications equipment.....	437	172	461	154.1	-62.7	38.4	364	359	434	320	1,495	1,772	-15.6
Electronic components.....	3,646	3,433	3,434	6.2	0.0	-2.8	3,537	3,465	3,298	3,323	13,716	14,078	-2.6
Nondefense search and navigation equipment.....	1,598	1,570	1,517	1.8	3.5	-1.4	1,794	1,579	1,536	1,997	6,390	6,960	-8.2
Defense search and navigation equipment.....	2,360	2,358	2,585	0.1	-8.8	2.4	1,916	2,916	2,772	2,865	9,625	12,809	-24.9
Electromedical, measuring, and control instruments.....	6,409	6,178	6,184	3.7	-0.1	4.3	6,227	6,995	5,753	6,775	24,268	28,225	-14.0
Electrical equipment, appliances, and components.....	10,437	10,351	10,372	0.8	-0.2	2.1	10,229	10,879	9,960	9,969	40,922	41,264	-0.8
Electric lighting equipment.....	791	822	835	-3.8	-1.6	-2.9	783	866	766	994	3,247	3,870	-16.1
Household appliances.....	1,621	1,666	1,588	-2.7	4.9	2.7	1,678	1,750	1,474	1,573	6,333	5,912	7.1
Electrical equipment.....	3,364	3,292	3,359	2.2	-2.0	-0.2	3,354	3,554	3,202	3,385	13,389	13,920	-3.8
Transportation equipment.....	67,437	62,234	73,253	8.4	-15.0	23.7	60,909	67,428	73,965	55,821	255,550	254,171	0.5
Motor vehicle bodies, parts, and trailers.....	19,551	18,817	18,876	3.9	-0.3	3.3	20,095	19,875	19,236	18,175	76,546	73,712	3.8
Nondefense aircraft and parts.....	12,198	10,431	18,400	16.9	-43.3	112.8	7,149	10,648	19,526	6,103	42,969	48,488	-11.4
Defense aircraft and parts.....	4,408	2,875	3,108	53.3	-7.5	-10.2	2,951	3,614	2,532	3,136	12,811	20,419	-37.3
Ships and boats.....	1,455	1,272	1,016	14.4	25.2	21.1	1,427	1,414	1,561	1,607	6,047	7,848	-22.9
Furniture and related products.....	5,582	5,385	5,430	3.7	-0.8	0.7	5,815	5,839	5,542	5,442	22,304	22,005	1.4
Nondurable goods industries.....	251,277	253,868	263,192	-1.0	-3.5	1.9	255,213	260,261	242,855	256,658	1,004,680	1,006,767	-0.2

^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. 13/12
	Monthly			Percent Change			Monthly				
	Apr. 2013 ^p	Mar. 2013 ^r	Feb. 2013	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2013 ^p	Mar. 2013 ^r	Feb. 2013	Apr. 2012	
All manufacturing industries ²	995,949	993,372	998,960	0.3	-0.6	0.9	1,008,471	1,009,758	1,014,447	987,175	2.2
Excluding transportation ²	384,318	382,341	382,753	0.5	-0.1	0.4	393,640	389,871	387,457	398,792	-1.3
Excluding defense ²	795,965	791,713	792,160	0.5	-0.1	1.3	805,840	803,500	804,610	785,629	2.6
Durable goods industries ²	995,949	993,372	998,960	0.3	-0.6	0.9	1,008,471	1,009,758	1,014,447	987,175	2.2
Primary metals.....	33,092	32,850	32,680	0.7	0.5	4.2	34,781	34,551	34,464	39,116	-11.1
Iron and steel mills.....	16,550	16,258	16,003	1.8	1.6	8.3	17,548	17,453	17,347	19,802	-11.4
Aluminum and nonferrous metals.....	12,496	12,501	12,549	0.0	-0.4	1.0	13,088	12,893	12,857	14,742	-11.2
Ferrous metal foundries.....	4,046	4,091	4,128	-1.1	-0.9	-0.9	4,145	4,205	4,260	4,572	-9.3
Fabricated metal products.....	86,339	85,543	84,630	0.9	1.1	0.8	90,085	88,976	85,283	80,603	11.8
Machinery.....	104,282	104,402	105,498	-0.1	-1.0	-0.3	105,951	105,231	106,467	120,243	-11.9
Construction machinery.....	10,091	10,522	10,987	-4.1	-4.2	-1.7	10,756	10,973	11,534	17,703	-39.2
Mining, oil field, and gas field machinery.....	12,902	13,085	13,215	-1.4	-1.0	4.0	12,731	13,056	13,309	12,634	0.8
Industrial machinery.....	7,404	7,225	7,280	2.5	-0.8	-3.6	7,747	7,184	7,203	9,470	-18.2
Photographic equipment.....	3,651	3,587	3,554	1.8	0.9	1.0	3,654	3,452	3,533	3,287	11.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,153	5,315	5,535	-3.0	-4.0	0.4	5,223	5,342	5,466	6,250	-16.4
Metalworking machinery.....	5,748	5,664	5,789	1.5	-2.2	-2.7	5,879	5,775	5,993	6,779	-13.3
Turbines, generators, and other power transmission equipment.....	26,080	25,833	26,067	1.0	-0.9	-0.7	26,157	25,990	26,286	28,565	-8.4
Material handling equipment.....	10,591	10,503	10,399	0.8	1.0	-0.3	10,906	10,684	10,459	10,792	1.1
Computers and electronic products ²	131,692	130,821	131,177	0.7	-0.3	0.0	133,373	132,002	132,326	129,194	3.2
Computers.....	3,458	3,432	3,460	0.8	-0.8	7.6	3,458	3,432	3,460	2,741	26.2
Nondefense communications equipment.....	27,486	27,050	26,679	1.6	1.4	0.0	27,805	27,171	26,983	23,814	16.8
Defense communications equipment.....	4,197	4,253	4,499	-1.3	-5.5	1.4	4,293	4,409	4,498	4,759	-9.8
Electronic components.....	13,056	12,889	12,795	1.3	0.7	0.6	13,120	12,876	12,936	12,523	4.8
Nondefense search and navigation equipment.....	15,477	15,113	14,803	2.4	2.1	1.2	15,639	14,964	14,816	11,869	31.8
Defense search and navigation equipment.....	43,086	43,523	44,079	-1.0	-1.3	-1.0	43,624	44,254	44,426	47,206	-7.6
Electromedical, measuring, and control instruments.....	24,932	24,561	24,862	1.5	-1.2	-0.5	25,434	24,896	25,207	26,282	-3.2
Electrical equipment, appliances, and components.....	21,692	21,544	21,466	0.7	0.4	-0.1	21,891	21,896	21,906	21,975	-0.4
Electric lighting equipment.....	1,276	1,299	1,290	-1.8	0.7	0.9	1,246	1,258	1,218	1,125	10.8
Household appliances.....	680	667	616	1.9	8.3	-6.7	687	708	716	653	5.2
Electrical equipment.....	11,119	11,107	11,159	0.1	-0.5	-0.1	11,271	11,137	11,251	10,978	2.7
Transportation equipment.....	611,631	611,031	616,207	0.1	-0.8	1.3	614,831	619,887	626,990	588,383	4.5
Motor vehicle bodies, parts, and trailers.....	16,651	16,647	16,700	0.0	-0.3	1.1	17,060	17,222	17,438	17,765	-4.0
Nondefense aircraft and parts.....	435,229	432,741	433,093	0.6	-0.1	2.1	436,472	437,842	440,364	408,295	6.9
Defense aircraft and parts.....	66,582	66,872	69,099	-0.4	-3.2	-2.2	67,395	68,577	70,979	67,821	-0.6
Ships and boats.....	20,613	21,524	22,654	-4.2	-5.0	-5.5	21,197	22,192	23,427	21,302	-0.5
Furniture and related products.....	6,119	6,095	6,181	0.4	-1.4	-0.4	6,457	6,129	5,890	6,664	-3.1

^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.

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. 13/12
	Apr. 2013 ^p	Mar. 2013 ^f	Feb. 2013	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2013 ^p	Mar. 2013 ^f	Feb. 2013	Apr. 2012	
All manufacturing industries.....	627,930	626,838	626,538	0.2	0.0	0.2	632,454	627,569	629,592	618,872	2.2
Excluding transportation.....	511,506	512,074	511,933	-0.1	0.0	-0.1	515,543	513,794	514,661	514,035	0.3
Excluding defense.....	600,011	599,255	598,783	0.1	0.1	0.1	604,412	599,836	601,734	592,686	2.0
With unfilled orders.....	308,641	307,473	307,796	0.4	-0.1	0.6	310,785	305,894	308,953	299,141	3.9
Durable goods industries.....	377,807	376,534	376,787	0.3	-0.1	0.4	379,887	374,670	378,561	367,121	3.5
Wood products.....	9,834	9,674	9,390	1.7	3.0	0.9	9,752	9,845	9,702	8,501	14.7
Nonmetallic mineral products.....	11,342	11,367	11,389	-0.2	-0.2	-0.4	11,656	11,649	11,625	11,745	-0.8
Primary metals.....	34,934	35,560	36,308	-1.8	-2.1	-0.4	35,380	35,661	36,295	36,982	-4.3
Iron and steel mills.....	20,128	20,537	20,936	-2.0	-1.9	-1.4	20,457	20,638	20,889	22,277	-8.2
Aluminum and nonferrous metals.....	12,513	12,717	13,060	-1.6	-2.6	1.1	12,584	12,707	13,056	12,346	1.9
Ferrous metal foundries.....	2,293	2,306	2,312	-0.6	-0.3	1.0	2,339	2,316	2,350	2,359	-0.8
Fabricated metal products.....	47,257	47,309	47,003	0.1	0.7	-0.1	47,585	47,304	47,057	47,252	0.7
Machinery.....	66,203	66,125	66,101	0.1	0.0	-0.3	66,770	66,115	66,925	66,177	0.9
Farm machinery.....	3,935	3,920	3,805	0.4	3.0	-2.0	4,050	4,204	4,144	3,937	2.9
Construction machinery.....	5,725	5,742	5,640	-0.3	1.8	-1.6	5,768	5,829	5,670	6,018	-4.2
Mining, oil field, and gas field machinery.....	7,259	7,326	7,363	-0.9	-0.5	0.0	7,350	7,346	7,345	7,060	4.1
Industrial machinery.....	6,152	6,147	6,161	0.1	-0.2	0.5	6,179	6,136	6,177	6,300	-1.9
Photographic equipment.....	1,598	1,623	1,707	-1.5	-4.9	2.0	1,562	1,548	1,706	1,582	-1.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,889	4,858	4,844	0.6	0.3	1.8	5,141	4,932	4,908	4,561	12.7
Metalworking machinery.....	5,446	5,412	5,431	0.6	-0.3	-0.9	5,437	5,348	5,396	5,245	3.7
Turbines, generators, and other power transmission equipment.....	10,249	10,232	10,306	0.2	-0.7	-1.8	10,289	9,874	10,426	10,922	-5.8
Material handling equipment.....	4,460	4,457	4,476	0.1	-0.4	1.2	4,425	4,346	4,424	4,280	3.4
Computers and electronic products ²	45,998	45,900	46,007	0.2	-0.2	-0.1	45,951	45,024	46,007	46,508	-1.2
Computers.....	917	809	816	13.3	-0.9	-1.6	882	766	825	911	-3.2
Computer storage devices.....	1,763	1,765	1,878	-0.1	-0.2	2.2	1,749	1,633	1,919	1,702	2.8
Other peripheral equipment.....	1,658	1,587	1,675	4.5	-6.3	-0.7	1,684	1,525	1,698	1,922	-12.4
Nondefense communications equipment.....	6,159	6,383	6,369	-3.5	0.2	0.5	6,048	6,270	6,453	6,061	-0.2
Defense communications equipment.....	1,298	1,277	1,256	1.6	1.7	0.7	1,298	1,277	1,256	1,643	-21.0
Audio and video equipment.....	691	698	692	-1.0	0.9	2.7	634	605	636	525	20.8
Electronic components.....	7,666	7,610	7,554	0.7	0.7	-1.3	7,826	7,509	7,614	7,655	2.2
Nondefense search and navigation equipment.....	3,542	3,534	3,590	0.2	-1.6	-0.7	3,568	3,533	3,611	3,514	1.5
Defense search and navigation equipment.....	2,984	2,964	3,076	0.7	-3.6	1.6	3,072	2,985	3,120	2,998	2.5
Electromedical, measuring and control instruments.....	12,133	12,041	12,009	0.8	0.3	0.8	12,171	11,788	12,110	12,036	1.1
Electrical equipment, appliances, and components.....	16,946	16,890	16,888	0.3	0.0	0.1	17,192	16,855	17,034	16,509	4.1
Electric lighting equipment.....	1,967	1,974	1,970	-0.4	0.2	0.2	2,005	1,955	1,965	1,864	7.6
Household appliances.....	1,846	1,834	1,826	0.7	0.4	-0.4	1,866	1,820	1,866	1,841	1.4
Electrical equipment.....	4,884	4,900	4,900	-0.3	-1.2	0.6	4,933	4,844	5,045	5,059	-2.5
Batteries.....	1,141	1,137	1,149	0.4	-1.0	0.8	1,179	1,153	1,160	1,147	2.8
Transportation equipment.....	116,424	114,764	114,605	1.4	0.1	1.6	116,911	113,775	114,931	104,837	11.5
Automobiles.....	2,761	2,763	2,753	-0.1	0.4	-3.1	2,722	2,566	2,743	2,535	7.4
Light trucks and utility vehicles.....	2,353	2,303	2,481	2.2	-7.2	-2.6	2,323	2,149	2,438	2,489	-6.7
Heavy duty trucks.....	2,204	2,283	2,388	-3.5	-4.4	-0.3	2,104	2,226	2,420	1,913	10.0
Motor vehicle bodies, parts, and trailers.....	17,899	17,829	17,952	0.4	-0.7	0.3	17,944	17,698	18,169	17,972	-0.2
Nondefense aircraft and parts.....	62,674	61,225	60,583	2.4	1.1	2.2	63,306	60,785	60,608	53,328	18.7
Defense aircraft and parts.....	13,715	13,789	14,015	-0.5	-1.6	5.1	13,678	13,751	13,977	12,597	8.6
Ships and boats.....	2,397	2,388	2,380	0.4	0.3	-1.7	2,407	2,445	2,410	2,369	1.6
Furniture and related products.....	6,031	6,034	6,084	0.0	-0.8	0.5	5,954	5,844	6,000	5,839	2.0
Miscellaneous durable goods.....	22,838	22,911	23,012	-0.3	-0.4	0.3	22,736	22,598	22,985	22,771	-0.2
Nondurable goods industries.....	250,123	250,304	249,751	-0.1	0.2	0.0	252,567	252,899	251,031	251,751	0.3
Food products.....	47,821	47,566	47,529	0.5	0.1	-0.8	46,476	46,473	47,383	46,376	0.2
Grain and oilseed milling.....	5,727	5,623	5,699	1.8	-1.3	-4.8	5,494	5,555	5,884	5,944	-7.6
Dairy products.....	6,284	6,317	6,211	-0.5	1.7	1.2	6,453	6,322	6,131	6,253	3.2
Meat, poultry, and seafood products.....	8,928	8,997	8,944	-0.8	0.6	-1.8	8,764	8,891	8,869	8,565	2.3
Beverage and tobacco products.....	19,892	19,747	19,668	0.7	0.4	0.5	20,087	20,031	20,136	18,979	5.8
Beverages.....	15,875	15,782	15,751	0.6	0.2	0.5	16,045	15,962	15,981	15,100	6.3
Tobacco.....	4,017	3,965	3,917	1.3	1.2	0.7	4,042	4,069	4,155	3,879	4.2
Textile mills.....	3,314	3,289	3,284	0.8	0.2	0.3	3,323	3,266	3,287	3,353	-0.9
Textile products.....	3,050	3,051	3,043	0.0	0.3	0.2	3,079	3,049	3,036	3,005	2.5
Apparel.....	2,161	2,107	2,076	2.6	1.5	1.7	2,056	2,002	2,048	1,789	14.9
Leather and allied products.....	1,085	1,079	1,052	0.6	2.6	-0.5	1,051	1,041	1,042	946	11.1
Paper products.....	14,525	14,495	14,450	0.2	0.3	-0.3	14,594	14,564	14,549	14,734	-1.0
Pulp, paper, and paperboard mills.....	6,214	6,198	6,170	0.3	0.5	0.4	6,245	6,247	6,236	6,477	-3.6
Paperboard containers.....	4,109	4,095	4,080	0.3	0.4	-1.0	4,137	4,130	4,136	4,079	1.4
Printing.....	5,552	5,521	5,495	0.6	0.5	-0.6	5,568	5,489	5,482	5,613	-0.8
Petroleum and coal products.....	46,584	47,695	48,435	-2.3	-1.5	-1.8	48,975	50,180	48,356	53,460	-8.4
Petroleum refineries.....	42,724	43,920	44,715	-2.7	-1.8	-1.8	45,164	46,550	44,714	49,710	-9.1
Chemical products.....	83,807	83,340	82,373	0.6	1.2	1.3	84,604	83,956	83,251	81,106	4.3
Pesticides, fertilizers, and other agricultural chemicals.....	4,422	4,156	3,901	6.4	6.5	-0.2	4,391	4,494	4,496	3,560	23.3
Pharmaceuticals and medicines.....	32,992	32,886	32,284	0.3	1.9	1.2	33,236	33,002	32,490	30,907	7.5
Paints, coatings, and adhesives.....	3,343	3,276	3,198	2.0	2.4	0.0	3,457	3,361	3,293	3,259	6.1
Plastics and rubber products.....	22,332	22,414	22,346	-0.4	0.3	0.2	22,754	22,848	22,461	22,390	1.6

^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 change.

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

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 2013/ 2012
	Monthly			Percent Change			Monthly			Year to date			
	Apr. 2013 ^p	Mar. 2013 ^f	Feb. 2013	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2013 ^p	Mar. 2013 ^f	Feb. 2013	Apr. 2012	2013 ^p	2012	
SHIPMENTS													
All manufacturing industries.....	478,662	482,210	489,470	-0.7	-1.5	1.3	483,249	502,847	454,620	475,870	1,891,628	1,871,764	1.1
Construction materials and supplies.....	42,598	42,133	43,068	1.1	-2.2	0.0	43,714	41,791	38,028	42,139	161,685	158,327	2.1
Information technology.....	21,035	21,779	21,589	-3.4	0.9	1.2	19,139	24,596	19,463	20,562	81,300	85,417	-4.8
Computers and related products.....	2,324	2,482	2,219	-6.4	11.9	-2.3	1,691	3,251	1,578	1,882	8,101	8,707	-7.0
Motor vehicle and parts.....	45,153	44,162	43,884	2.2	0.6	3.9	46,128	47,012	43,605	40,973	176,273	160,208	10.0
Capital goods.....	81,462	84,143	81,965	-3.2	2.7	0.3	78,523	93,016	75,626	77,396	317,450	313,877	1.1
Nondefense capital goods ³	71,885	74,005	72,202	-2.9	2.5	-0.4	69,541	81,642	66,088	68,796	279,913	277,036	1.0
Excluding aircraft.....	65,723	66,592	66,202	-1.3	0.6	1.6	64,167	72,536	60,895	62,647	255,535	252,262	1.3
Defense capital goods ⁴	9,577	10,138	9,763	-5.5	3.8	5.7	8,982	11,374	9,538	8,600	37,537	36,841	1.9
Consumer goods.....	206,640	208,821	216,364	-1.0	-3.5	3.1	207,220	214,238	201,281	204,864	822,286	805,722	2.1
Consumer durable goods.....	36,058	35,798	35,949	0.7	-0.4	3.5	36,625	38,632	35,707	33,078	142,901	127,754	11.9
Consumer nondurable goods.....	170,582	173,023	180,415	-1.4	-4.1	3.1	170,595	175,606	165,574	171,786	679,385	677,968	0.2
NEW ORDERS													
All manufacturing industries ⁵	473,991	469,135	492,026	1.0	-4.7	3.9	473,545	492,064	467,352	465,603	1,881,484	1,877,257	0.2
Construction materials and supplies.....	42,347	42,159	43,224	0.4	-2.5	1.1	43,732	42,635	38,935	42,617	163,290	160,757	1.6
Information technology.....	21,949	21,432	21,578	2.4	-0.7	0.6	20,362	24,323	20,571	21,600	84,150	91,610	-8.1
Computers and related products.....	2,350	2,454	2,463	-4.2	-0.4	9.0	1,717	3,223	1,822	1,841	8,332	8,705	-4.3
Motor vehicle and parts.....	45,157	44,109	44,062	2.4	0.1	4.3	45,966	46,796	44,208	40,814	176,548	160,096	10.3
Capital goods.....	83,686	79,517	90,363	5.2	-12.0	12.3	77,455	89,489	90,261	74,430	330,622	339,765	-2.7
Nondefense capital goods ³	76,210	73,795	80,973	3.3	-8.9	9.2	72,072	80,574	80,388	67,687	300,133	301,075	-0.3
Excluding aircraft.....	67,513	66,734	65,980	1.2	1.1	-4.8	67,659	73,919	64,035	64,410	270,968	265,981	1.9
Defense capital goods ⁴	7,476	5,722	9,390	30.7	-39.1	49.1	5,383	8,915	9,873	6,743	30,489	38,690	-21.2
Consumer goods.....	206,668	208,752	216,317	-1.0	-3.5	3.1	207,273	214,192	201,461	204,894	822,617	806,045	2.1
Consumer durable goods.....	36,086	35,729	35,902	1.0	-0.5	3.5	36,678	38,586	35,887	33,108	143,232	128,077	11.8
Consumer nondurable goods.....	170,582	173,023	180,415	-1.4	-4.1	3.1	170,595	175,606	165,574	171,786	679,385	677,968	0.2
UNFILLED ORDERS													
All manufacturing industries ⁵	995,949	993,372	998,960	0.3	-0.6	0.9	1,008,471	1,009,758	1,014,447	987,175	(X)	(X)	2.2
Construction materials and supplies.....	50,470	50,721	50,695	-0.5	0.1	0.3	51,273	51,255	50,411	51,776	(X)	(X)	-1.0
Information technology.....	130,904	129,990	130,337	0.7	-0.3	0.0	132,594	131,371	131,644	129,177	(X)	(X)	2.6
Computers and related products.....	3,458	3,432	3,460	0.8	-0.8	7.6	3,458	3,432	3,460	2,741	(X)	(X)	26.2
Motor vehicle and parts.....	16,651	16,647	16,700	0.0	-0.3	1.1	17,060	17,222	17,438	17,765	(X)	(X)	-4.0
Capital goods.....	745,835	743,611	748,237	0.3	-0.6	1.1	754,386	755,454	758,981	731,831	(X)	(X)	3.1
Nondefense capital goods ³	577,266	572,941	573,151	0.8	0.0	1.6	583,491	580,960	582,028	561,525	(X)	(X)	3.9
Excluding aircraft.....	217,851	216,061	215,919	0.8	0.1	-0.1	223,272	219,780	218,397	223,774	(X)	(X)	-0.2
Defense capital goods ⁴	168,569	170,670	175,086	-1.2	-2.5	-0.2	170,895	174,494	176,953	170,306	(X)	(X)	0.3
Consumer goods.....	4,152	4,124	4,193	0.7	-1.6	-1.1	4,404	4,351	4,397	4,324	(X)	(X)	1.9
Consumer durable goods.....	4,152	4,124	4,193	0.7	-1.6	-1.1	4,404	4,351	4,397	4,324	(X)	(X)	1.9
TOTAL INVENTORIES													
All manufacturing industries.....	627,930	626,838	626,538	0.2	0.0	0.2	632,454	627,569	629,592	618,872	(X)	(X)	2.2
Construction materials and supplies.....	61,487	61,327	60,743	0.3	1.0	0.1	62,176	61,737	61,313	59,971	(X)	(X)	3.7
Information technology.....	40,070	39,951	40,285	0.3	-0.8	0.5	40,099	39,228	40,560	39,730	(X)	(X)	0.9
Computers and related products.....	4,338	4,161	4,369	4.3	-4.8	0.4	4,315	3,924	4,442	4,535	(X)	(X)	-4.9
Motor vehicle and parts.....	25,217	25,178	25,574	0.2	-1.5	-0.4	25,093	24,639	25,770	24,909	(X)	(X)	0.7
Capital goods.....	193,870	192,261	192,319	0.8	0.0	0.8	194,946	190,999	193,230	183,374	(X)	(X)	6.3
Nondefense capital goods ³	171,433	170,138	169,914	0.8	0.1	0.5	172,349	168,688	170,684	162,403	(X)	(X)	6.1
Excluding aircraft.....	120,029	120,118	120,501	-0.1	-0.3	-0.3	120,281	118,945	121,350	119,159	(X)	(X)	0.9
Defense capital goods ⁴	22,437	22,123	22,405	1.4	-1.3	3.0	22,597	22,311	22,546	20,971	(X)	(X)	7.8
Consumer goods.....	186,937	187,489	187,584	-0.3	-0.1	-0.4	188,058	188,577	188,250	188,920	(X)	(X)	-0.5
Consumer durable goods.....	25,035	25,024	25,178	0.0	-0.6	-0.1	24,739	24,349	25,325	24,746	(X)	(X)	0.0
Consumer nondurable goods.....	161,902	162,465	162,406	-0.3	0.0	-0.5	163,319	164,228	162,925	164,174	(X)	(X)	-0.5

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 change.

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 machine vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressor material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigational 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. 13/12
	Apr. 2013 ^p	Mar. 2013 ^f	Feb. 2013	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2013 ^p	Mar. 2013 ^f	Feb. 2013	Apr. 2012	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	202,084	203,218	204,128	-0.6	-0.4	-0.3	202,863	203,326	204,679	205,094	-1.1
Durable goods industries.....	123,264	123,711	124,537	-0.4	-0.7	0.4	123,138	122,866	124,818	122,390	0.6
Wood products.....	3,786	3,721	3,602	1.7	3.3	0.6	3,547	3,685	3,740	3,068	15.6
Nonmetallic mineral products.....	4,316	4,318	4,359	0.0	-0.9	0.7	4,361	4,343	4,378	4,494	-3.0
Primary metals.....	13,987	13,999	14,301	-0.1	-2.1	-1.3	13,892	13,797	14,244	14,277	-2.7
Fabricated metal products.....	16,729	17,059	17,224	-1.9	-1.0	-0.5	16,721	17,003	17,125	17,753	-5.8
Machinery.....	24,896	24,833	24,949	0.3	-0.5	0.3	24,901	24,604	24,931	24,818	0.3
Computers and electronic products.....	18,062	17,981	18,125	0.5	-0.8	-0.7	18,140	17,733	18,064	17,773	2.1
Electrical equipment, appliances, and components.....	7,235	7,193	7,319	0.6	-1.7	0.8	7,339	7,191	7,408	7,056	4.0
Transportation equipment.....	24,174	24,394	24,362	-0.9	0.1	2.7	24,193	24,385	24,644	22,691	6.6
Furniture and related products.....	2,798	2,799	2,856	0.0	-2.0	-1.4	2,787	2,763	2,837	2,858	-2.5
Miscellaneous products.....	7,281	7,414	7,440	-1.8	-0.3	1.0	7,257	7,362	7,447	7,602	-4.5
Nondurable goods industries.....	78,820	79,507	79,591	-0.9	-0.1	-1.4	79,725	80,460	79,861	82,704	-3.6
Food products.....	16,597	16,505	16,753	0.6	-1.5	-2.8	16,216	16,179	16,770	16,978	-4.5
Beverage and tobacco products.....	5,181	5,102	5,123	1.5	-0.4	1.0	5,320	5,217	5,336	5,241	1.5
Textiles.....	1,181	1,173	1,177	0.7	-0.3	0.4	1,190	1,168	1,175	1,177	1.1
Textile products.....	1,181	1,190	1,198	-0.8	-0.7	-1.2	1,192	1,184	1,180	1,201	-0.7
Apparel.....	717	698	681	2.7	2.5	0.6	711	687	675	586	21.3
Leather and allied products.....	329	334	325	-1.5	2.8	-4.7	321	320	316	300	7.0
Paper products.....	6,845	6,849	6,866	-0.1	-0.2	-0.7	6,848	6,871	6,908	7,062	-3.0
Printing.....	2,551	2,520	2,538	1.2	-0.7	-0.5	2,515	2,518	2,546	2,558	-1.7
Petroleum and coal products.....	11,950	12,718	12,228	-6.0	4.0	-5.3	12,753	13,739	12,147	14,635	-12.9
Chemical products.....	23,327	23,264	23,557	0.3	-1.2	-0.3	23,551	23,321	23,688	23,534	0.1
Plastics and rubber products.....	8,961	9,154	9,145	-2.1	0.1	1.3	9,108	9,256	9,120	9,432	-3.4
WORK IN PROCESS											
All manufacturing industries.....	201,731	199,683	198,454	1.0	0.6	1.3	203,698	199,741	199,663	191,695	6.3
Durable goods industries.....	150,471	149,132	148,198	0.9	0.6	1.0	151,804	148,082	148,565	141,890	7.0
Wood products.....	1,809	1,785	1,746	1.3	2.2	4.6	1,840	1,803	1,761	1,606	14.6
Nonmetallic mineral products.....	1,258	1,296	1,343	-2.9	-3.5	1.1	1,296	1,336	1,376	1,366	-5.1
Primary metals.....	10,384	10,667	10,996	-2.7	-3.0	-0.5	10,647	10,755	10,979	11,636	-8.5
Fabricated metal products.....	13,426	13,420	13,240	0.0	1.4	0.3	13,449	13,282	13,250	12,942	3.9
Machinery.....	18,781	18,874	18,898	-0.5	-0.1	-0.1	18,950	18,723	19,128	19,177	-1.2
Computers and electronic products.....	16,121	15,906	15,850	1.4	0.4	0.0	16,192	15,667	15,768	17,143	-5.5
Electrical equipment, appliances, and components.....	3,779	3,809	3,759	-0.8	1.3	0.3	3,847	3,802	3,765	3,655	5.3
Transportation equipment.....	80,470	78,962	77,919	1.9	1.3	1.9	81,140	78,353	78,097	69,987	15.9
Furniture and related products.....	1,006	969	958	3.8	1.1	2.4	1,002	957	952	944	6.1
Miscellaneous products.....	3,437	3,444	3,489	-0.2	-1.3	-1.7	3,441	3,404	3,489	3,434	0.2
Nondurable goods industries.....	51,260	50,551	50,256	1.4	0.6	2.0	51,894	51,659	51,098	49,805	4.2
Food products.....	4,845	4,751	4,681	2.0	1.5	2.1	4,448	4,593	4,842	3,996	11.3
Beverage and tobacco products.....	6,768	6,725	6,695	0.6	0.4	-0.5	6,755	6,878	7,011	6,185	9.2
Textiles.....	767	761	758	0.8	0.4	0.7	762	751	751	752	1.3
Textile products.....	431	422	419	2.1	0.7	-0.5	438	426	425	420	4.3
Apparel.....	327	316	322	3.5	-1.9	0.0	311	291	306	324	-8.0
Leather and allied products.....	104	103	104	1.0	-1.0	4.0	101	103	109	110	-4.2
Paper products.....	1,389	1,379	1,358	0.7	1.5	0.5	1,391	1,373	1,366	1,342	3.7
Printing.....	1,279	1,282	1,252	-0.2	2.4	-2.4	1,288	1,272	1,270	1,344	-4.2
Petroleum and coal products.....	13,306	13,084	13,491	1.7	-3.0	5.6	14,157	14,137	13,755	14,960	-5.4
Chemical products.....	19,471	19,182	18,656	1.5	2.8	1.3	19,623	19,258	18,726	17,802	10.2
Plastics and rubber products.....	2,573	2,546	2,520	1.1	1.0	0.0	2,620	2,577	2,537	2,570	1.9
FINISHED GOODS											
All manufacturing industries.....	224,115	223,937	223,956	0.1	0.0	-0.2	225,893	224,502	225,250	222,083	1.7
Durable goods industries.....	104,072	103,691	104,052	0.4	-0.3	-0.5	104,945	103,722	105,178	102,841	2.0
Wood products.....	4,239	4,168	4,042	1.7	3.1	-0.3	4,365	4,357	4,201	3,827	14.1
Nonmetallic mineral products.....	5,768	5,753	5,687	0.3	1.2	-1.6	5,999	5,970	5,871	5,885	1.9
Primary metals.....	10,563	10,894	11,011	-3.0	-1.1	0.9	10,841	11,109	11,072	11,069	-2.1
Fabricated metal products.....	17,102	16,830	16,539	1.6	1.8	-0.1	17,415	17,019	16,682	16,557	5.2
Machinery.....	22,526	22,418	22,254	0.5	0.7	-1.2	22,919	22,788	22,866	22,182	3.3
Computers and electronic products.....	11,815	12,013	12,032	-1.6	-0.2	0.5	11,619	11,624	12,175	11,592	0.2
Electrical equipment, appliances, and components.....	5,932	5,888	5,810	0.7	1.3	-0.9	6,006	5,862	5,861	5,798	3.6
Transportation equipment.....	11,780	11,408	12,324	3.3	-7.4	-2.4	11,578	11,037	12,190	12,159	-4.8
Furniture and related products.....	2,227	2,266	2,270	-1.7	-0.2	2.3	2,165	2,124	2,211	2,037	6.3
Miscellaneous products.....	12,120	12,053	12,083	0.6	-0.2	0.5	12,038	11,832	12,049	11,735	2.6
Nondurable goods industries.....	120,043	120,246	119,904	-0.2	0.3	0.1	120,948	120,780	120,072	119,242	1.4
Food products.....	26,379	26,310	26,095	0.3	0.8	-0.1	25,812	25,701	25,771	25,402	1.6
Beverage and tobacco products.....	7,943	7,920	7,850	0.3	0.9	1.1	8,012	7,936	7,789	7,553	6.1
Textiles.....	1,366	1,355	1,349	0.8	0.4	0.0	1,371	1,347	1,361	1,424	-3.7
Textile products.....	1,438	1,439	1,426	-0.1	0.9	1.6	1,449	1,439	1,431	1,384	4.7
Apparel.....	1,117	1,093	1,073	2.2	1.9	2.9	1,034	1,024	1,067	879	17.6
Leather and allied products.....	652	642	623	1.6	3.0	1.1	629	618	617	536	17.4
Paper products.....	6,291	6,267	6,226	0.4	0.7	0.1	6,355	6,320	6,275	6,330	0.4
Printing.....	1,722	1,719	1,705	0.2	0.8	0.8	1,765	1,699	1,666	1,711	3.2
Petroleum and coal products.....	21,328	21,893	22,716	-2.6	-3.6	-3.8	22,065	22,304	22,454	23,865	-7.5
Chemical products.....	41,009	40,894	40,160	0.3	1.8	2.3	41,430	41,377	40,837	39,770	4.2
Plastics and rubber products.....	10,798	10,714	10,681	0.8	0.3	-0.7	11,026	11,015	10,804	10,388	6.1

^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 revisions.

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group¹

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ²			
	Apr 2013 ³	Mar 2013 ¹	Feb 2013	Jan 2013	Apr 2013 ³	Mar 2013 ¹	Feb 2013	Jan 2013
	All manufacturing industries ³	1.31	1.30	1.28	1.29	(X)	(X)	(X)
Durable goods industries ³	1.66	1.65	1.67	1.67	6.26	6.21	6.30	6.26
Wood products.....	1.39	1.36	1.32	1.33	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.39	1.40	1.40	1.41	(X)	(X)	(X)	(X)
Primary metals.....	1.41	1.45	1.46	1.45	1.34	1.34	1.31	1.25
Fabricated metal products.....	1.63	1.66	1.62	1.63	3.07	3.10	3.01	3.01
Machinery.....	1.91	1.89	1.90	1.95	3.25	3.23	3.32	3.42
Computers and electronic products ³	1.67	1.61	1.67	1.66	7.32	7.06	7.09	7.13
Electrical equipment, appliances, and components.....	1.65	1.64	1.63	1.64	2.34	2.32	2.28	2.31
Transportation equipment.....	1.74	1.70	1.75	1.75	14.83	14.51	15.30	15.00
Furniture and related products.....	1.09	1.10	1.11	1.11	1.31	1.32	1.33	1.34
Miscellaneous products.....	1.71	1.70	1.70	1.69	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.00	0.99	0.95	0.97	(X)	(X)	(X)	(X)
Food products.....	0.77	0.77	0.76	0.77	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.65	1.67	1.71	1.71	(X)	(X)	(X)	(X)
Textiles.....	1.27	1.28	1.26	1.29	(X)	(X)	(X)	(X)
Textile products.....	1.51	1.51	1.50	1.52	(X)	(X)	(X)	(X)
Apparel.....	1.93	1.95	1.88	1.83	(X)	(X)	(X)	(X)
Leather and allied products.....	2.28	2.29	2.19	2.07	(X)	(X)	(X)	(X)
Paper products.....	1.02	1.02	1.01	1.01	(X)	(X)	(X)	(X)
Printing.....	0.83	0.84	0.82	0.81	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.68	0.66	0.61	0.66	(X)	(X)	(X)	(X)
Chemical products.....	1.33	1.32	1.29	1.27	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.23	1.24	1.21	1.20	(X)	(X)	(X)	(X)

X Not Applicable ³ Preliminary ¹ Revised data due to late receipts and concurrent seasonal adjustment.

² 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.

³ Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes¹

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Apr ² 2013	Apr ³ 2012- Mar 2013	Apr ² 2013	Apr ³ 2012- Mar 2013	Apr ² 2013	Apr ³ 2012- Mar 2013	Apr ² 2013	Apr ³ 2012- Mar 2013
	All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)
Durable goods industries.....	0.2	0.3	0.2	0.5	0.0	0.1	-0.1	0.1
Wood products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.4
Nonmetallic mineral products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.5	0.6	0.7	2.0	0.3	1.0	-0.1	0.4
Fabricated metal products.....	0.3	0.3	0.5	0.9	0.1	0.3	0.1	0.2
Machinery.....	0.0	0.6	-0.3	1.0	0.0	0.3	-0.1	0.2
Computers and electronic products.....	-0.1	0.9	-0.6	0.9	-0.1	0.1	-0.1	0.2
Electrical equipment, appliances, and components.....	0.1	0.2	0.1	1.0	0.1	0.4	0.0	0.4
Transportation equipment.....	0.0	0.4	0.3	1.4	0.0	0.1	-0.1	0.1
Furniture and related products.....	(X)	0.4	(X)	0.5	(X)	0.4	(X)	0.4
Miscellaneous products.....	(X)	0.4	(X)	0.4	(X)	0.7	(X)	0.2
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)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	1.0
Leather and allied products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	1.3	(X)	(NA)	(X)	(NA)	(X)	0.7
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable NA Not Available

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

³ 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.

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>.

Benchmark Notice

Revised historical data for Manufacturers' Shipments, Inventories, and Orders were issued on May 17, 2013. These revisions reflect:

- benchmarking the shipments and inventories data to the 2011 Annual Survey of Manufactures (ASM) data, as well as revised ASM benchmarks for prior years;
- incorporating the unfilled orders to shipments ratios obtained from the 2010/2011 Manufacturers' Unfilled Orders Survey by applying these ratios to the respective ASM shipments data, as well as incorporating revised unfilled orders to shipments ratios for prior years;
- adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data;
- migrating the data processing environment from a server having a Linux Red Hat 4 operating system that supports SAS® 9.1.3 to a server having a Linux Red Hat 5 operating system that supports SAS® 9.2; and
- updating the seasonally adjusted data, based on the results of benchmarking and the recent annual review of the seasonal adjustment models.

An accompanying press release includes the revised 2013 January through March data. Please call Jessica Young on (301) 763-4832 with any questions.