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## Full Report on Manufacturers' Shipments, Inventories and Orders May 2013

### Summary

New orders for manufactured goods in May, up three of the last four months, increased \$9.9 billion or 2.1 percent to \$485.0 billion, the U.S. Census Bureau reported today. This followed a 1.3 percent April increase. Excluding transportation, new orders increased 0.6 percent.

Shipments, up following two consecutive monthly decreases, increased \$4.6 billion or 1.0 percent to \$483.6 billion. This followed a 0.7 percent April decrease.

Unfilled orders, up three of the last four months, increased \$8.2 billion or 0.8 percent to \$1,004.8 billion. This followed a 0.3 percent April increase. The unfilled orders-to-shipments ratio was 6.21, down from 6.28 in April.

Inventories, up six consecutive months, increased \$0.3 billion to \$627.8 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 April increase. The inventories-to-shipments ratio was 1.30, down from 1.31 in April.

### New Orders

New orders for manufactured durable goods in May, up three of the last four months, increased \$8.2 billion or 3.7 percent to \$231.2 billion, revised from the previously published 3.6 percent increase. This followed a 3.6 percent April increase.

Transportation equipment, also up three of the last four months, led the increase, up \$7.3 billion or 10.9 percent to \$74.5 billion.

New orders for manufactured nondurable goods increased \$1.8 billion or 0.7 percent to \$253.8 billion.

### Shipments

Shipments of manufactured durable goods in May, up three of the last four months, increased \$2.8 billion or 1.3 percent to \$229.8 billion, revised from the previously published 1.2 percent increase. This followed a 0.6 percent April decrease.

Transportation equipment, also up three of the last four

months, led the increase, up \$2.6 billion or 3.9 percent to \$69.3 billion.

Shipments of manufactured nondurable goods, up following two consecutive monthly decreases, increased \$1.8 billion or 0.7 percent to \$253.8 billion. This followed a 0.7 percent April decrease. Petroleum and coal products, also up following two consecutive monthly decreases, led the increase, up \$0.9 billion or 1.3 percent to \$70.0 billion.

### Unfilled Orders

Unfilled orders for manufactured durable goods in May, up three of the last four months, increased \$8.2 billion or 0.8 percent to \$1,004.8 billion, unchanged from the previously published increase. This followed a 0.3 percent April increase.

Transportation equipment, also up three of the last four months, led the increase, up \$5.3 billion or 0.9 percent to \$616.8 billion.

### Inventories

Inventories of manufactured durable goods in May, up four of the last five months, increased \$0.4 billion or 0.1 percent to \$377.7 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 0.2 percent April increase.

Computers and electronic products, up two consecutive months, drove the increase, up \$0.4 billion or 0.9 percent to \$46.5 billion.

Inventories of manufactured nondurable goods, down three of the last four months, decreased \$0.1 billion to \$250.1 billion. This followed a 0.1 percent April decrease. Chemical products, down following six consecutive monthly increases, drove the decrease, down \$0.5 billion or 0.6 percent to \$83.1 billion.

By stage of fabrication, May materials and supplies increased 0.6 percent in durable goods and 0.4 percent in nondurable goods. Work in process decreased 0.1 percent in durable goods and 1.2 percent in nondurable goods. Finished goods decreased 0.1 percent in durable goods and increased 0.2 percent in nondurable goods.

**Table 1. Value of Manufacturers' Shipments for Industry Groups<sup>1</sup>****[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		
	May 2013 <sup>p</sup>	Apr. 2013 <sup>f</sup>	Mar. 2013	Apr. - May	Mar. - Apr.	Feb. - Mar.	May 2013 <sup>p</sup>	Apr. 2013 <sup>f</sup>	Mar. 2013	May 2012	2013 <sup>p</sup>	2012	Percent 2013/ 2012
All manufacturing industries.....	483,579	478,947	482,210	1.0	-0.7	-1.5	501,494	483,124	502,847	494,942	2,392,997	2,366,706	1.1
Excluding transportation.....	414,298	412,243	414,800	0.5	-0.6	-2.2	429,254	417,183	428,316	428,490	2,060,533	2,056,661	0.2
Excluding defense.....	471,457	467,142	469,592	0.9	-0.5	-1.7	489,447	472,216	488,661	482,608	2,334,979	2,308,458	1.1
With unfilled orders.....	161,855	158,586	160,052	2.1	-0.9	0.9	166,758	156,900	172,011	164,137	786,974	781,481	0.7
Durable goods industries.....	229,760	226,915	228,342	1.3	-0.6	0.9	236,599	227,842	242,586	229,889	1,123,353	1,094,886	2.6
Wood products.....	7,229	7,218	7,108	0.2	1.5	0.1	7,962	7,702	7,078	6,902	35,167	30,537	15.2
Nonmetallic mineral products.....	8,336	8,268	8,098	0.8	2.1	-0.6	9,075	8,444	7,840	8,681	39,364	38,239	2.9
Primary metals.....	24,466	24,698	24,561	-0.9	0.6	-1.2	25,988	25,981	25,898	27,135	127,329	131,048	-2.8
Iron and steel mills.....	9,933	10,292	10,306	-3.5	-0.1	-1.7	10,827	11,065	10,978	13,200	54,034	62,949	-14.2
Aluminum and nonferrous metals.....	12,869	12,696	12,545	1.4	1.2	-0.8	13,368	13,123	13,080	12,050	64,544	58,990	9.4
Ferrous metal foundries.....	1,664	1,710	1,710	-2.7	0.0	-1.2	1,793	1,793	1,840	1,885	8,751	9,109	-3.9
Fabricated metal products.....	28,904	29,090	28,451	-0.6	2.2	-1.8	30,156	29,560	28,976	29,736	142,694	141,845	0.6
Machinery.....	34,675	34,255	35,078	1.2	-2.3	0.7	35,528	34,798	37,737	33,516	170,654	162,388	5.1
Farm machinery.....	2,063	2,016	2,131	2.3	-5.4	-8.1	2,180	2,864	2,752	2,159	12,557	13,605	-7.7
Construction machinery.....	5,060	5,076	5,291	-0.3	-4.1	0.9	4,689	4,789	5,172	3,840	23,557	17,947	31.3
Mining, oil field, and gas field machinery.....	2,114	2,150	2,163	-1.7	-0.6	-1.1	2,057	2,015	2,263	2,341	10,467	11,096	-5.7
Industrial machinery.....	3,599	3,471	3,618	3.7	-4.1	-4.3	3,649	3,143	4,307	3,213	17,305	15,247	13.5
Photographic equipment.....	660	661	651	-0.2	1.5	0.8	653	590	728	684	3,115	3,268	-4.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,703	3,770	3,604	-1.8	4.6	-0.7	4,122	3,780	3,587	3,953	17,329	16,561	4.6
Metalworking machinery.....	3,062	3,037	2,998	0.8	1.3	0.8	3,106	2,942	3,001	2,822	14,274	12,883	10.8
Turbines, generators, and other power transmission equipment.....	4,134	3,880	4,571	6.5	-15.1	19.0	4,267	4,001	4,752	4,084	20,087	20,454	-1.8
Material handling equipment.....	2,768	2,807	2,714	-1.4	3.4	-0.3	2,886	2,703	2,935	2,710	13,622	12,799	6.4
Computers and electronic products <sup>2</sup> .....	27,494	27,569	28,438	-0.3	-3.1	3.3	25,669	26,705	29,775	27,816	131,340	137,377	-4.4
Computers.....	568	519	610	9.4	-14.9	8.9	500	465	674	838	2,555	3,482	-26.6
Computer storage devices.....	977	974	1,046	0.3	-6.9	11.2	698	582	1,542	718	4,064	3,811	6.6
Other peripheral equipment.....	812	843	826	-3.7	2.1	15.0	734	644	1,035	707	3,414	3,677	-7.2
Nondefense communications equipment.....	3,653	3,469	3,518	5.3	-1.4	0.1	3,507	3,009	4,112	3,147	16,511	15,279	8.1
Defense communications equipment....	450	491	418	-8.4	17.5	4.2	444	480	448	681	2,120	2,472	-14.2
Audio and video equipment.....	282	275	249	2.5	10.4	-4.6	255	208	244	222	1,134	1,059	7.1
Electronic components.....	3,441	3,495	3,339	-1.5	4.7	-0.5	3,517	3,305	3,525	3,702	16,650	17,521	-5.0
Nondefense search and navigation equipment.....	1,279	1,239	1,260	3.2	-1.7	-6.4	1,291	1,122	1,431	1,371	6,265	6,595	-5.0
Defense search and navigation equipment.....	2,770	2,791	2,914	-0.8	-4.2	-3.4	2,740	2,547	3,088	3,012	13,913	14,720	-5.5
Electromedical, measuring, and control instruments.....	6,214	6,016	6,479	3.3	-7.1	2.7	6,084	5,666	7,306	6,997	29,984	34,571	-13.3
Electrical equipment, appliances, and components.....	10,413	10,195	10,273	2.1	-0.8	-1.1	10,755	10,111	10,889	10,728	50,637	51,050	-0.8
Electric lighting equipment.....	806	825	813	-2.3	1.5	-1.2	782	819	826	965	3,989	4,838	-17.5
Household appliances.....	1,649	1,612	1,615	2.3	-0.2	-1.0	1,791	1,699	1,758	1,692	8,108	7,631	6.3
Electrical equipment.....	3,360	3,346	3,344	0.4	0.1	-0.8	3,486	3,213	3,668	3,555	16,419	16,787	-2.2
Batteries.....	1,013	1,019	985	-0.6	3.5	0.9	958	961	925	906	4,479	4,385	2.1
Transportation equipment.....	69,281	66,704	67,410	3.9	-1.0	3.0	72,240	65,941	74,531	66,452	332,464	310,045	7.2
Automobiles.....	10,280	10,522	10,855	-2.3	-3.1	0.9	10,975	10,666	11,387	9,594	53,408	42,770	24.9
Light trucks and utility vehicles.....	12,714	12,686	12,230	0.2	3.7	-0.6	13,452	12,870	13,276	11,936	62,434	54,964	13.6
Heavy duty trucks.....	2,310	2,330	2,207	-0.9	5.6	3.8	2,454	2,406	2,258	2,742	11,112	12,922	-14.0
Motor vehicle bodies, parts, and trailers.....	19,101	19,620	18,870	-2.6	4.0	0.9	20,735	20,291	20,091	19,724	97,040	93,548	3.7
Nondefense aircraft and parts.....	12,632	9,709	10,783	30.1	-10.0	13.9	12,263	8,534	13,170	10,237	50,131	47,738	5.0
Defense aircraft and parts.....	4,757	4,618	5,102	3.0	-9.5	9.2	4,633	4,063	6,016	4,711	22,338	22,831	-2.2
Ships and boats.....	2,467	2,402	2,402	2.7	0.0	2.3	2,610	2,465	2,649	2,556	11,992	12,047	-0.5
Furniture and related products.....	5,542	5,550	5,471	-0.1	1.4	0.3	5,692	5,473	5,600	5,486	27,244	26,496	2.8
Miscellaneous durable goods.....	13,420	13,368	13,454	0.4	-0.6	-0.7	13,534	13,127	14,262	13,437	66,460	65,861	0.9
Nondurable goods industries.....	253,819	252,032	253,868	0.7	-0.7	-3.5	264,895	255,282	260,261	265,053	1,269,644	1,271,820	-0.2
Food products.....	62,210	62,313	61,929	-0.2	0.6	-0.7	61,672	60,493	62,453	60,342	304,642	295,532	3.1
Grain and oilseed milling.....	8,055	8,198	8,470	-1.7	-3.2	-1.2	7,496	7,820	8,273	7,809	40,302	38,828	3.8
Dairy products.....	8,741	8,672	8,457	0.8	2.5	-0.8	8,762	8,402	8,498	8,369	41,683	41,630	0.1
Meat, poultry, and seafood products....	17,953	17,942	17,641	0.1	1.7	-0.7	18,200	17,658	17,687	18,324	87,782	87,479	0.3
Beverage and tobacco products.....	12,383	12,047	11,849	2.8	1.7	3.0	13,392	12,116	11,762	13,363	58,033	58,188	-0.3
Beverages.....	8,645	8,618	8,645	0.3	-0.3	-0.3	9,654	8,687	8,558	9,566	41,961	41,862	0.2
Tobacco.....	3,738	3,429	3,204	9.0	7.0	12.9	3,738	3,429	3,204	3,797	16,072	16,326	-1.6
Textile mills.....	2,604	2,604	2,563	0.0	1.6	-1.5	2,761	2,662	2,699	2,681	13,048	13,118	-0.5
Textile products.....	2,028	2,020	2,017	0.4	0.1	-0.8	2,135	2,113	2,136	2,023	10,167	9,671	5.1
Apparel.....	1,120	1,123	1,079	-0.3	4.1	-2.4	1,008	1,027	1,028	967	5,158	5,049	2.2
Leather and allied products.....	479	477	471	0.4	1.3	-2.1	483	471	497	488	2,389	2,360	1.2
Paper products.....	14,228	14,268	14,238	-0.3	0.2	-0.4	14,436	14,121	14,345	14,724	70,294	72,136	-2.6
Pulp, paper, and paperboard mills.....	6,640	6,673	6,710	-0.5	-0.6	-0.5	6,632	6,542	6,772	6,789	32,985	33,642	-2.0
Paperboard containers.....	4,346	4,314	4,247	0.7	1.6	-0.2	4,466	4,358	4,293	4,357	21,188	21,276	-0.4
Printing.....	6,680	6,692	6,586	-0.2	1.6	-1.6	7,010	6,807	6,704	7,327	32,995	33,440	-1.3
Petroleum and coal products.....	70,033	69,131	72,031	1.3	-4.0	-9.7	74,988	70,524	73,316	76,730	359,104	363,932	-1.3
Petroleum refineries.....	66,757	65,888	68,667	1.3	-4.0	-9.7	71,429	67,337	70,164	72,684	343,065	346,602	-1.0
Chemical products.....	63,712	63,070	63,055	1.0	0.0	-1.3	67,428	65,948	66,716	67,465	321,576	328,611	-2.1
Pesticides, fertilizers, and other agricultural chemicals.....	2,863	2,659	2,509	7.7	6.0	-13.9	3,865	3,722	3,395	3,714	16,364	18,618	-12.1
Pharmaceuticals and medicines.....	15,617	15,503	15,279	0.7	1.5	1.4	16,169	15,569	15,700	16,213	76,225	79,222	-3.8
Paints, coatings, and adhesives.....	3,126	3,025	3,004	3.3	0.7	-1.6	3,563	3,275	3,121	3,402	15,515	15,527	-0.1
Plastics and rubber products.....	18,342	18,287	18,050	0.3	1.3	-2.7	19,582	19,000	18,605	18,943	92,238	89,783	2.7

<sup>a</sup> Preliminary<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

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

**Table 2. Value of Manufacturers' New Orders for Industry Groups<sup>1</sup>****[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		
	May 2013 <sup>p</sup>	Apr. 2013 <sup>f</sup>	Mar. 2013	Apr. - May	Mar. - Apr.	Feb. - Mar.	May 2013 <sup>p</sup>	Apr. 2013 <sup>f</sup>	Mar. 2013	May 2012	2013 <sup>p</sup>	2012	Percent 2013/ 2012
All manufacturing industries <sup>2</sup> .....	484,983	475,035	469,135	2.1	1.3	-4.7	499,382	473,837	492,064	482,813	2,381,158	2,360,070	0.9
Excluding transportation <sup>2</sup> .....	410,442	407,806	406,901	0.6	0.2	-2.8	425,363	412,785	424,636	420,847	2,051,446	2,043,933	0.4
Excluding defense <sup>2</sup> .....	474,440	465,156	461,658	2.0	0.8	-4.0	491,683	466,334	481,459	473,831	2,334,989	2,302,783	1.4
With unfilled orders <sup>2</sup> .....	170,011	161,842	154,464	5.0	4.8	-8.0	170,273	156,035	167,322	158,158	808,518	807,703	0.1
Durable goods industries <sup>2</sup> .....	231,164	223,003	215,267	3.7	3.6	-5.9	234,487	218,555	231,803	217,760	1,111,514	1,088,250	2.1
Primary metals.....	25,518	25,307	24,731	0.8	2.3	-5.5	26,159	26,337	25,985	24,414	130,280	129,486	0.6
Iron and steel mills.....	10,727	10,852	10,561	-1.2	2.8	-9.8	10,974	11,337	11,084	11,018	56,207	61,475	-8.6
Aluminum and nonferrous metals.....	13,155	12,794	12,497	2.8	2.4	-2.2	13,446	13,272	13,116	11,486	65,349	58,547	11.6
Ferrous metal foundries.....	1,636	1,661	1,673	-1.5	-0.7	-1.2	1,739	1,728	1,785	1,910	8,724	9,464	-7.8
Fabricated metal products.....	29,383	29,712	29,364	-1.1	1.2	-0.8	30,424	30,608	32,669	30,208	154,034	149,317	3.2
Machinery.....	34,622	34,396	33,982	0.7	1.2	-1.5	35,669	35,703	36,501	33,798	175,141	168,467	4.0
Construction machinery.....	5,080	4,720	4,826	7.6	-2.2	-4.6	4,633	4,543	4,611	3,432	24,287	18,635	30.3
Mining, oil field, and gas field machinery.....	1,896	2,037	2,033	-6.9	0.2	-24.6	2,236	1,779	2,010	2,740	11,146	10,924	2.0
Industrial machinery.....	3,521	3,645	3,563	-3.4	2.3	1.5	3,445	3,707	4,288	3,102	17,520	15,991	9.6
Photographic equipment.....	608	865	684	-29.7	26.5	0.3	586	981	647	778	3,583	3,751	-4.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,754	3,628	3,384	3.5	7.2	-7.3	4,308	3,670	3,463	4,206	17,536	17,716	-1.0
Metalworking machinery.....	3,048	3,226	2,873	-5.5	12.3	2.1	3,042	3,162	2,783	2,728	14,324	13,279	7.9
Turbines, generators, and other power transmission equipment.....	4,251	4,152	4,337	2.4	-4.3	18.9	4,256	4,203	4,456	4,076	20,722	21,825	-5.1
Material handling equipment.....	3,054	2,936	2,818	4.0	4.2	4.6	3,189	2,915	3,160	2,739	14,841	13,748	8.0
Computers and electronic products <sup>2</sup> .....	22,067	21,541	20,595	2.4	4.6	-0.6	20,794	19,656	23,357	21,603	101,422	110,235	-8.0
Computers.....	593	545	582	8.8	-6.4	-27.6	525	491	646	845	2,811	3,487	-19.4
Nondefense communications equipment.....	4,700	4,112	3,889	14.3	5.7	10.7	4,565	3,649	4,300	3,323	19,424	17,508	10.9
Defense communications equipment.....	413	431	172	-4.2	150.6	-62.7	320	364	359	487	1,815	2,259	-19.7
Electronic components.....	3,438	3,583	3,433	-4.0	4.4	0.0	3,456	3,496	3,465	3,755	17,131	17,833	-3.9
Nondefense search and navigation equipment.....	1,550	1,641	1,570	-5.5	4.5	3.5	1,549	1,840	1,579	1,772	7,985	8,732	-8.6
Defense search and navigation equipment.....	2,534	2,363	2,358	7.2	0.2	-8.8	2,115	1,922	2,916	2,655	11,746	15,464	-24.0
Electromedical, measuring, and control instruments.....	6,472	6,485	6,178	-0.2	5.0	-0.1	6,305	6,205	6,995	6,848	30,551	35,073	-12.9
Electrical equipment, appliances, and components.....	10,531	10,358	10,351	1.7	0.1	-0.2	11,020	10,087	10,879	11,132	51,800	52,396	-1.1
Electric lighting equipment.....	810	778	822	4.1	-5.4	-1.6	812	772	866	993	4,048	4,863	-16.8
Household appliances.....	1,659	1,629	1,666	1.8	-2.2	4.9	1,827	1,678	1,750	1,778	8,160	7,690	6.1
Electrical equipment.....	3,423	3,399	3,292	0.7	3.3	-2.0	3,617	3,373	3,554	3,694	17,025	17,614	-3.3
Transportation equipment.....	74,541	67,229	62,234	10.9	8.0	-15.0	74,019	61,052	67,428	61,966	329,712	316,137	4.3
Motor vehicle bodies, parts, and trailers.....	19,188	19,589	18,817	-2.0	4.1	-0.3	20,594	20,046	19,875	19,304	97,091	93,016	4.4
Nondefense aircraft and parts.....	18,613	12,346	10,431	50.8	18.4	-43.3	17,162	7,164	10,648	9,029	60,146	57,517	4.6
Defense aircraft and parts.....	4,257	4,106	2,875	3.7	42.8	-7.5	2,872	2,874	3,614	3,311	15,606	23,730	-34.2
Ships and boats.....	2,435	1,615	1,272	50.8	27.0	25.2	2,282	1,565	1,414	1,498	8,467	9,346	-9.4
Furniture and related products.....	5,508	5,589	5,385	-1.4	3.8	-0.8	5,822	5,822	5,839	5,615	28,133	27,620	1.9
Nondurable goods industries.....	253,819	252,032	253,868	0.7	-0.7	-3.5	264,895	255,282	260,261	265,053	1,269,644	1,271,820	-0.2

<sup>p</sup> Preliminary<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

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

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

**Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups<sup>1</sup>**

[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 May 13/12
	May 2013 <sup>b</sup>	Apr. 2013 <sup>c</sup>	Mar. 2013	Apr. - May	Mar. - Apr.	Feb. - Mar.	May 2013 <sup>b</sup>	Apr. 2013 <sup>c</sup>	Mar. 2013	May 2012	
All manufacturing industries <sup>2</sup> .....	1,004,784	996,628	993,372	0.8	0.3	-0.6	1,012,408	1,008,893	1,009,758	981,196	3.2
Excluding transportation <sup>2</sup> .....	387,968	385,072	382,341	0.8	0.7	-0.1	395,631	393,895	389,871	397,299	-0.4
Excluding defense <sup>2</sup> .....	806,630	796,895	791,713	1.2	0.7	-0.1	813,903	806,040	803,500	783,002	3.9
Durable goods industries <sup>2</sup> .....	1,004,784	996,628	993,372	0.8	0.3	-0.6	1,012,408	1,008,893	1,009,758	981,196	3.2
Primary metals.....	34,511	33,459	32,850	3.1	1.9	0.5	35,078	34,907	34,551	36,395	-3.6
Iron and steel mills.....	17,612	16,818	16,258	4.7	3.4	1.6	17,872	17,725	17,453	17,620	1.4
Aluminum and nonferrous metals.....	12,885	12,599	12,501	2.3	0.8	-0.4	13,120	13,042	12,893	14,178	-7.5
Ferrous metal foundries.....	4,014	4,042	4,091	-0.7	-1.2	-0.9	4,086	4,140	4,205	4,597	-11.1
Fabricated metal products.....	86,644	86,165	85,543	0.6	0.7	1.1	90,292	90,024	88,976	81,075	11.4
Machinery.....	104,490	104,543	104,402	-0.1	0.1	-1.0	106,277	106,136	105,231	120,525	-11.8
Construction machinery.....	10,186	10,166	10,522	0.2	-3.4	-4.2	10,671	10,727	10,973	17,295	-38.3
Mining, oil field, and gas field machinery.....	12,754	12,972	13,085	-1.7	-0.9	-1.0	12,999	12,820	13,056	13,033	-0.3
Industrial machinery.....	7,321	7,399	7,225	-1.1	2.4	-0.8	7,544	7,748	7,184	9,359	-19.4
Photographic equipment.....	3,739	3,791	3,587	-1.4	5.7	0.9	3,776	3,843	3,452	3,381	11.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,224	5,173	5,315	1.0	-2.7	-4.0	5,418	5,232	5,342	6,503	-16.7
Metalworking machinery.....	5,839	5,853	5,664	-0.2	3.3	-2.2	5,931	5,995	5,775	6,685	-11.3
Turbines, generators, and other power transmission equipment.....	26,222	26,105	25,833	0.4	1.1	-0.9	26,181	26,192	25,990	28,557	-8.3
Material handling equipment.....	10,918	10,632	10,503	2.7	1.2	1.0	11,199	10,896	10,684	10,821	3.5
Computers and electronic products <sup>2</sup> .....	133,286	131,961	130,821	1.0	0.9	-0.3	134,127	133,375	132,002	129,131	3.9
Computers.....	3,483	3,458	3,432	0.7	0.8	-0.8	3,483	3,458	3,432	2,748	26.7
Nondefense communications equipment.....	28,740	27,693	27,050	3.8	2.4	1.4	28,869	27,811	27,171	23,990	20.3
Defense communications equipment.....	4,156	4,193	4,253	-0.9	-1.4	-5.5	4,169	4,293	4,409	4,565	-8.7
Electronic components.....	12,974	12,977	12,889	0.0	0.7	0.7	13,006	13,067	12,876	12,576	3.4
Nondefense search and navigation equipment.....	15,786	15,515	15,113	1.7	2.7	2.1	15,940	15,682	14,964	12,270	29.9
Defense search and navigation equipment.....	42,859	43,095	43,523	-0.5	-1.0	-1.3	43,004	43,629	44,254	46,849	-8.2
Electromedical, measuring, and control instruments.....	25,288	25,030	24,561	1.0	1.9	-1.2	25,656	25,435	24,896	26,133	-1.8
Electrical equipment, appliances, and components.....	21,825	21,707	21,544	0.5	0.8	0.4	22,137	21,872	21,896	22,379	-1.1
Electric lighting equipment.....	1,256	1,252	1,299	0.3	-3.6	0.7	1,241	1,211	1,258	1,153	7.6
Household appliances.....	694	684	667	1.5	2.5	8.3	723	687	708	739	-2.2
Electrical equipment.....	11,223	11,160	11,107	0.6	0.5	-0.5	11,428	11,297	11,137	11,117	2.8
Transportation equipment.....	616,816	611,556	611,031	0.9	0.1	-0.8	616,777	614,998	619,887	583,897	5.6
Motor vehicle bodies, parts, and trailers.....	16,703	16,616	16,647	0.5	-0.2	-0.3	16,836	16,977	17,222	17,345	-2.9
Nondefense aircraft and parts.....	441,359	435,378	432,741	1.4	0.6	-0.1	441,371	436,472	437,842	407,087	8.4
Defense aircraft and parts.....	65,860	66,360	66,872	-0.8	-0.8	-3.2	65,627	67,388	68,577	66,421	-1.2
Ships and boats.....	20,705	20,737	21,524	-0.2	-3.7	-5.0	20,964	21,292	22,192	20,244	3.6
Furniture and related products.....	6,100	6,134	6,095	-0.6	0.6	-1.4	6,608	6,478	6,129	6,793	-2.7

<sup>b</sup> Preliminary<sup>c</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data.

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

**Table 4. Value of Manufacturers' Inventories for Industry Groups<sup>1</sup>****[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 May 13/12
	May 2013 <sup>p</sup>	Apr. 2013 <sup>r</sup>	Mar. 2013	Apr. - May	Mar. - Apr.	Feb. - Mar.	May 2013 <sup>p</sup>	Apr. 2013 <sup>r</sup>	Mar. 2013	May 2012	
All manufacturing industries.....	627,817	627,523	626,838	0.0	0.1	0.0	632,196	632,256	627,569	619,415	2.1
Excluding transportation.....	511,779	511,447	512,074	0.1	-0.1	0.0	515,306	515,394	513,794	512,610	0.5
Excluding defense.....	599,873	599,640	599,255	0.0	0.1	0.1	604,170	604,212	599,836	593,150	1.9
With unfilled orders.....	308,747	308,347	307,473	0.1	0.3	-0.1	311,804	310,645	305,894	301,889	3.3
Durable goods industries.....	377,730	377,362	376,534	0.1	0.2	-0.1	381,022	379,697	374,670	370,428	2.9
Wood products.....	9,856	9,723	9,674	1.4	0.5	3.0	9,704	9,618	9,845	8,457	14.7
Nonmetallic mineral products.....	11,466	11,401	11,367	0.6	0.3	-0.2	11,656	11,695	11,649	11,628	0.2
Primary metals.....	34,701	35,002	35,560	-0.9	-1.6	-2.1	35,115	35,412	35,661	37,002	-5.1
Iron and steel mills.....	19,861	20,195	20,537	-1.7	-1.7	-1.9	20,191	20,497	20,638	22,205	-9.1
Aluminum and nonferrous metals.....	12,544	12,506	12,717	0.3	-1.7	-2.6	12,599	12,563	12,707	12,442	1.3
Ferrous metal foundries.....	2,296	2,301	2,306	-0.2	-0.2	-0.3	2,325	2,352	2,316	2,355	-1.3
Fabricated metal products.....	47,267	47,251	47,309	0.0	-0.1	0.7	47,736	47,603	47,304	47,490	0.5
Machinery.....	66,483	66,292	66,125	0.3	0.3	0.0	67,282	66,886	66,115	66,879	0.6
Farm machinery.....	3,881	3,914	3,920	-0.8	-0.2	3.0	3,964	4,053	4,204	3,934	0.8
Construction machinery.....	5,793	5,737	5,742	1.0	-0.1	1.8	5,821	5,769	5,829	6,082	-4.3
Mining, oil field, and gas field machinery.....	7,186	7,264	7,326	-1.1	-0.8	-0.5	7,365	7,380	7,346	7,149	3.0
Industrial machinery.....	6,203	6,155	6,147	0.8	0.1	-0.2	6,293	6,173	6,136	6,294	0.0
Photographic equipment.....	1,619	1,608	1,623	0.7	-0.9	-4.9	1,591	1,558	1,548	1,532	3.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,852	4,871	4,858	-0.4	0.3	0.3	5,170	5,142	4,932	4,775	8.3
Metalworking machinery.....	5,457	5,442	5,412	0.3	0.6	-0.3	5,465	5,432	5,348	5,303	3.1
Turbines, generators, and other power transmission equipment.....	10,536	10,306	10,232	2.2	0.7	-0.7	10,622	10,287	9,874	11,092	-4.2
Material handling equipment.....	4,419	4,453	4,457	-0.8	-0.1	-0.4	4,428	4,447	4,346	4,367	1.4
Computers and electronic products <sup>2</sup> .....	46,534	46,111	45,900	0.9	0.5	-0.2	46,861	46,017	45,024	46,553	0.7
Computers.....	913	916	809	-0.3	13.2	-0.9	939	882	766	947	-0.8
Computer storage devices.....	1,933	1,791	1,765	7.9	1.5	-6.0	2,029	1,749	1,633	1,784	13.7
Other peripheral equipment.....	1,721	1,666	1,587	3.3	5.0	-5.3	1,766	1,684	1,525	1,906	-7.3
Nondefense communications equipment.....	6,225	6,178	6,383	0.8	-3.2	0.2	6,195	6,048	6,270	6,156	0.6
Defense communications equipment.....	1,249	1,298	1,277	-3.8	1.6	1.7	1,249	1,298	1,277	1,377	-9.3
Audio and video equipment.....	655	668	698	-1.9	-4.3	0.9	605	616	605	532	13.7
Electronic components.....	7,794	7,738	7,610	0.7	1.7	0.7	7,815	7,888	7,509	7,508	4.1
Nondefense search and navigation equipment.....	3,527	3,541	3,534	-0.4	0.2	-1.6	3,544	3,566	3,533	3,519	0.7
Defense search and navigation equipment.....	3,119	2,999	2,964	4.0	1.2	-3.6	3,262	3,072	2,985	3,087	5.7
Electromedical, measuring and control instruments.....	12,269	12,163	12,041	0.9	1.0	0.3	12,378	12,195	11,788	12,114	2.2
Electrical equipment, appliances, and components.....	16,613	16,649	16,890	-0.2	-1.4	0.0	16,882	16,897	16,855	16,594	1.7
Electric lighting equipment.....	1,945	1,953	1,974	-0.4	-1.1	0.2	2,009	1,997	1,955	1,902	5.6
Household appliances.....	1,820	1,834	1,834	-0.8	0.0	0.4	1,815	1,866	1,820	1,800	0.8
Electrical equipment.....	4,890	4,885	4,900	0.1	-0.3	-1.2	4,976	4,930	4,844	5,088	-2.2
Batteries.....	1,149	1,169	1,137	-1.7	2.8	-1.0	1,189	1,224	1,153	1,151	3.3
Transportation equipment.....	116,038	116,076	114,764	0.0	1.1	0.1	116,890	116,862	113,775	106,805	9.4
Automobiles.....	2,659	2,734	2,763	-2.7	-1.0	0.4	2,636	2,709	2,566	2,584	2.0
Light trucks and utility vehicles.....	2,279	2,333	2,303	-2.3	1.3	-7.2	2,305	2,323	2,149	2,621	-12.1
Heavy duty trucks.....	2,092	2,185	2,283	-4.3	-4.3	-4.4	2,043	2,104	2,226	2,038	0.2
Motor vehicle bodies, parts, and trailers.....	18,087	17,953	17,829	0.7	0.7	-0.7	18,100	17,945	17,698	17,997	0.6
Nondefense aircraft and parts.....	62,485	62,422	61,225	0.1	2.0	1.1	63,427	63,294	60,785	54,689	16.0
Defense aircraft and parts.....	13,922	13,705	13,789	1.6	-0.6	-1.6	13,917	13,679	13,751	12,811	8.6
Ships and boats.....	2,370	2,391	2,388	-0.9	0.1	0.3	2,313	2,404	2,445	2,373	-2.5
Furniture and related products.....	6,026	6,030	6,034	-0.1	-0.1	-0.8	6,102	5,953	5,844	6,029	1.2
Miscellaneous durable goods.....	22,746	22,827	22,911	-0.4	-0.4	-0.4	22,794	22,754	22,598	22,991	-0.9
Nondurable goods industries.....	250,087	250,161	250,304	0.0	-0.1	0.2	251,174	252,559	252,899	248,987	0.9
Food products.....	47,794	47,766	47,566	0.1	0.4	0.1	46,239	46,495	46,473	45,935	0.7
Grain and oilseed milling.....	5,634	5,683	5,623	-0.9	1.1	-1.3	5,217	5,494	5,555	5,498	-5.1
Dairy products.....	6,257	6,269	6,317	-0.2	-0.8	1.7	6,483	6,441	6,322	6,329	2.4
Meat, poultry, and seafood products.....	8,962	8,943	8,997	0.2	-0.6	0.6	8,804	8,808	8,891	8,609	2.3
Beverage and tobacco products.....	20,008	19,894	19,747	0.6	0.7	0.4	19,812	20,093	20,031	18,636	6.3
Beverages.....	15,996	15,882	15,782	0.7	0.6	0.2	15,896	16,051	15,962	14,875	6.9
Tobacco.....	4,012	4,012	3,965	0.0	1.2	1.2	3,916	4,042	4,069	3,761	4.1
Textile mills.....	3,321	3,319	3,289	0.1	0.9	0.2	3,342	3,337	3,266	3,322	0.6
Textile products.....	3,049	3,045	3,051	0.1	-0.2	0.3	3,094	3,073	3,049	3,011	2.8
Apparel.....	2,126	2,120	2,107	0.3	0.6	1.5	2,079	2,028	2,002	1,843	12.8
Leather and allied products.....	1,069	1,076	1,079	-0.7	-0.3	2.6	1,059	1,051	1,041	986	7.4
Paper products.....	14,479	14,502	14,495	-0.2	0.0	0.3	14,531	14,592	14,564	14,700	-1.1
Pulp, paper, and paperboard mills.....	6,168	6,196	6,198	-0.5	0.0	0.5	6,221	6,244	6,247	6,504	-4.4
Paperboard containers.....	4,091	4,102	4,095	-0.3	0.2	0.4	4,092	4,137	4,130	4,035	1.4
Printing.....	5,548	5,551	5,521	-0.1	0.5	0.5	5,450	5,566	5,489	5,483	-0.6
Petroleum and coal products.....	47,208	46,980	47,695	0.5	-1.5	-1.5	48,751	48,998	50,180	51,541	-5.4
Petroleum refineries.....	43,265	43,130	43,920	0.3	-1.8	-1.8	44,782	45,200	46,550	47,685	-6.1
Chemical products.....	83,129	83,609	83,340	-0.6	0.3	1.2	84,060	84,598	83,956	80,981	3.8
Pesticides, fertilizers, and other agricultural chemicals.....	4,272	4,314	4,156	-1.0	3.8	6.5	4,028	4,391	4,494	3,372	19.5
Pharmaceuticals and medicines.....	32,796	32,942	32,886	-0.4	0.2	1.9	33,208	33,255	33,002	31,057	6.9
Paints, coatings, and adhesives.....	3,279	3,340	3,276	-1.8	2.0	2.4	3,354	3,458	3,361	3,235	3.7
Plastics and rubber products.....	22,356	22,299	22,414	0.3	-0.5	0.3	22,757	22,728	22,848	22,549	0.9

<sup>p</sup> Preliminary<sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> 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<sup>1,2</sup>**

[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 <sup>6</sup> 2013/ 2012
	May 2013 <sup>p</sup>	Apr. 2013 <sup>f</sup>	Mar. 2013	Apr. - May	Mar. - Apr.	Feb. - Mar.	May 2013 <sup>p</sup>	Apr. 2013 <sup>f</sup>	Mar. 2013	May 2012	2013 <sup>p</sup>	2012	
<b>SHIPMENTS</b>													
All manufacturing industries.....	483,579	478,947	482,210	1.0	-0.7	-1.5	501,494	483,124	502,847	494,942	2,392,997	2,366,706	1.1
Construction materials and supplies.....	42,845	42,904	42,133	-0.1	1.8	-2.2	46,150	44,094	41,791	44,836	208,215	203,163	2.5
Information technology.....	21,546	20,960	21,779	2.8	-3.8	0.9	20,916	18,987	24,596	22,258	102,064	107,675	-5.2
Computers and related products.....	2,357	2,336	2,482	0.9	-5.9	11.9	1,932	1,691	3,251	2,263	10,033	10,970	-8.5
Motor vehicle and parts.....	44,405	45,158	44,162	-1.7	2.3	0.6	47,616	46,233	47,012	43,996	223,994	204,204	9.7
Capital goods.....	85,513	80,950	84,143	5.6	-3.8	2.7	85,688	77,890	93,016	82,283	402,505	396,160	1.6
Nondefense capital goods <sup>3</sup> .....	75,798	71,394	74,005	6.2	-3.5	2.5	75,925	68,910	81,642	72,313	355,207	349,349	1.7
Excluding aircraft.....	66,398	65,164	66,592	1.9	-2.1	0.6	66,584	63,536	72,536	65,307	321,488	317,569	1.2
Defense capital goods <sup>4</sup> .....	9,715	9,556	10,138	1.7	-5.7	3.8	9,763	8,980	11,374	9,970	47,298	46,811	1.0
Consumer goods.....	208,018	207,018	208,821	0.5	-0.9	-3.5	215,909	207,312	214,238	213,051	1,038,287	1,018,773	1.9
Consumer durable goods.....	35,868	36,045	35,798	-0.5	0.7	-0.4	37,909	36,709	38,632	34,790	180,894	162,544	11.3
Consumer nondurable goods.....	172,150	170,973	173,023	0.7	-1.2	-4.1	178,000	170,603	175,606	178,261	857,393	856,229	0.1
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	484,983	475,035	469,135	2.1	1.3	-4.7	499,382	473,837	492,064	482,813	2,381,158	2,360,070	0.9
Construction materials and supplies.....	43,153	42,621	42,159	1.2	1.1	-2.5	47,035	44,003	42,635	45,583	210,596	206,340	2.1
Information technology.....	22,863	22,356	21,432	2.3	4.3	-0.7	21,730	20,444	24,323	22,387	105,962	113,997	-7.0
Computers and related products.....	2,382	2,362	2,454	0.8	-3.7	-0.4	1,957	1,717	3,223	2,270	10,289	10,975	-6.3
Motor vehicle and parts.....	44,492	45,127	44,109	-1.4	2.3	0.1	47,475	45,988	46,796	43,576	224,045	203,672	10.0
Capital goods.....	92,213	83,807	79,517	10.0	5.4	-12.0	89,310	77,328	89,489	78,546	419,805	418,311	0.4
Nondefense capital goods <sup>3</sup> .....	83,762	76,374	73,795	9.7	3.5	-8.9	82,823	71,718	80,574	71,472	382,602	372,547	2.7
Excluding aircraft.....	68,536	67,531	66,734	1.5	1.2	1.1	68,605	67,305	73,919	66,337	339,219	332,318	2.1
Defense capital goods <sup>4</sup> .....	8,451	7,433	5,722	13.7	29.9	-39.1	6,487	5,610	8,915	7,074	37,203	45,764	-18.7
Consumer goods.....	208,063	207,080	208,752	0.5	-0.8	-3.5	215,897	207,385	214,192	213,046	1,038,626	1,019,091	1.9
Consumer durable goods.....	35,913	36,107	35,729	-0.5	1.1	-0.5	37,897	36,782	38,586	34,785	181,233	162,862	11.3
Consumer nondurable goods.....	172,150	170,973	173,023	0.7	-1.2	-4.1	178,000	170,603	175,606	178,261	857,393	856,229	0.1
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	1,004,784	996,628	993,372	0.8	0.3	-0.6	1,012,408	1,008,893	1,009,758	981,196	(X)	(X)	3.2
Construction materials and supplies.....	50,746	50,438	50,721	0.6	-0.6	0.1	52,049	51,164	51,255	52,523	(X)	(X)	-0.9
Information technology.....	132,703	131,386	129,990	1.0	1.1	-0.3	133,642	132,828	131,371	129,306	(X)	(X)	3.4
Computers and related products.....	3,483	3,458	3,432	0.7	0.8	-0.8	3,483	3,458	3,432	2,748	(X)	(X)	26.7
Motor vehicle and parts.....	16,703	16,616	16,647	0.5	-0.2	-0.3	16,836	16,977	17,222	17,345	(X)	(X)	-2.9
Capital goods.....	753,168	746,468	743,611	0.9	0.4	-0.6	758,514	754,892	755,454	728,094	(X)	(X)	4.2
Nondefense capital goods <sup>3</sup> .....	585,885	577,921	572,941	1.4	0.9	0.0	590,666	583,768	580,960	560,684	(X)	(X)	5.3
Excluding aircraft.....	220,566	218,428	216,061	1.0	1.1	0.1	225,570	223,549	219,780	224,804	(X)	(X)	0.3
Defense capital goods <sup>4</sup> .....	167,283	168,547	170,670	-0.7	-1.2	-2.5	167,848	171,124	174,494	167,410	(X)	(X)	0.3
Consumer goods.....	4,231	4,186	4,124	1.1	1.5	-1.6	4,412	4,424	4,351	4,319	(X)	(X)	2.2
Consumer durable goods.....	4,231	4,186	4,124	1.1	1.5	-1.6	4,412	4,424	4,351	4,319	(X)	(X)	2.2
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	627,817	627,523	626,838	0.0	0.1	0.0	632,196	632,256	627,569	619,415	(X)	(X)	2.1
Construction materials and supplies.....	61,568	61,388	61,327	0.3	0.1	1.0	62,201	62,054	61,737	60,131	(X)	(X)	3.4
Information technology.....	40,260	39,856	39,951	1.0	-0.2	-0.8	40,679	39,770	39,228	39,848	(X)	(X)	2.1
Computers and related products.....	4,567	4,373	4,161	4.4	5.1	-4.8	4,734	4,315	3,924	4,637	(X)	(X)	2.1
Motor vehicle and parts.....	25,117	25,205	25,178	-0.3	0.1	-1.5	25,084	25,081	24,639	25,240	(X)	(X)	-0.6
Capital goods.....	193,849	193,456	192,261	0.2	0.6	0.0	195,925	194,736	190,999	185,790	(X)	(X)	5.5
Nondefense capital goods <sup>3</sup> .....	171,346	171,045	170,138	0.2	0.5	0.1	173,335	172,138	168,688	164,745	(X)	(X)	5.2
Excluding aircraft.....	120,114	119,841	120,118	0.2	-0.2	-0.3	121,195	120,070	118,945	120,468	(X)	(X)	0.6
Defense capital goods <sup>4</sup> .....	22,503	22,411	22,123	0.4	1.3	-1.3	22,590	22,598	22,311	21,045	(X)	(X)	7.3
Consumer goods.....	187,184	187,106	187,489	0.0	-0.2	-0.1	187,261	188,106	188,577	186,766	(X)	(X)	0.3
Consumer durable goods.....	24,828	24,963	25,024	-0.5	-0.2	-0.6	24,697	24,743	24,349	25,085	(X)	(X)	-1.5
Consumer nondurable goods.....	162,356	162,143	162,465	0.1	-0.2	0.0	162,564	163,363	164,228	161,681	(X)	(X)	0.5

X Not Applicable      <sup>p</sup> Preliminary      <sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> Topical series are regroupings of the separate industry categories.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> Estimates and percent changes exclude semiconductor industry data.

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

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

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group<sup>1</sup>

[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 May 13/12
	May 2013 <sup>p</sup>	Apr. 2013 <sup>f</sup>	Mar. 2013	Apr. - May	Mar. - Apr.	Feb. - Mar.	May 2013 <sup>p</sup>	Apr. 2013 <sup>f</sup>	Mar. 2013	May 2012	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	203,240	202,253	203,218	0.5	-0.5	-0.4	203,726	202,734	203,326	204,075	-0.2
Durable goods industries.....	124,171	123,488	123,711	0.6	-0.2	-0.7	124,136	123,201	122,866	122,581	1.3
Wood products.....	3,771	3,732	3,721	1.0	0.3	3.3	3,501	3,496	3,685	3,083	13.6
Nonmetallic mineral products.....	4,324	4,320	4,318	0.1	0.0	-0.9	4,346	4,356	4,343	4,440	-2.1
Primary metals.....	14,151	13,996	13,999	1.1	0.0	-2.1	13,997	13,838	13,797	14,032	-0.2
Fabricated metal products.....	17,072	17,081	17,059	-0.1	0.1	-0.1	17,063	17,088	17,003	17,685	-3.5
Machinery.....	24,995	24,975	24,833	0.1	0.6	-0.5	25,082	24,976	24,604	25,123	-0.2
Computers and electronic products.....	18,250	18,070	17,981	1.0	0.5	-0.8	18,384	18,113	17,733	17,706	3.8
Electrical equipment, appliances, and components.....	7,072	7,064	7,193	0.1	-1.8	-1.7	7,224	7,122	7,191	7,170	0.8
Transportation equipment.....	24,432	24,163	24,394	1.1	-0.9	0.1	24,378	24,153	24,385	22,744	7.2
Furniture and related products.....	2,811	2,797	2,799	0.5	-0.1	-2.0	2,825	2,790	2,763	2,908	-2.9
Miscellaneous products.....	7,293	7,290	7,414	0.0	-1.7	-0.3	7,336	7,269	7,362	7,690	-4.6
Nondurable goods industries.....	79,069	78,765	79,507	0.4	-0.9	-0.1	79,590	79,533	80,460	81,494	-2.3
Food products.....	16,397	16,531	16,505	-0.8	0.2	-1.5	15,924	16,192	16,179	16,885	-5.7
Beverage and tobacco products.....	5,265	5,205	5,102	1.2	2.0	-0.4	5,257	5,324	5,217	5,070	3.7
Textiles.....	1,196	1,187	1,173	0.8	1.2	-0.3	1,215	1,198	1,168	1,168	4.0
Textile products.....	1,187	1,178	1,190	0.8	-1.0	-0.7	1,210	1,187	1,184	1,210	0.0
Apparel.....	696	694	698	0.3	-0.6	2.5	696	688	687	599	16.2
Leather and allied products.....	319	327	334	-2.4	-2.1	2.8	318	321	320	311	2.3
Paper products.....	6,815	6,838	6,849	-0.3	-0.2	-0.2	6,764	6,847	6,871	7,003	-3.4
Printing.....	2,469	2,534	2,520	-2.6	0.6	-0.7	2,413	2,521	2,518	2,558	-5.7
Petroleum and coal products.....	12,468	12,118	12,718	2.9	-4.7	4.0	13,110	12,769	13,739	13,553	-3.3
Chemical products.....	23,300	23,196	23,264	0.4	-0.3	-1.2	23,574	23,390	23,321	23,574	0.0
Plastics and rubber products.....	8,957	8,957	9,154	0.0	-2.2	0.1	9,109	9,096	9,256	9,563	-4.7
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	200,525	201,358	199,683	-0.4	0.8	0.6	202,125	203,694	199,741	192,756	4.9
Durable goods industries.....	149,879	150,071	149,132	-0.1	0.6	0.6	151,621	151,727	148,082	143,074	6.0
Wood products.....	1,775	1,762	1,785	0.7	-1.3	2.2	1,791	1,788	1,803	1,590	12.6
Nonmetallic mineral products.....	1,269	1,275	1,296	-0.5	-1.6	-3.5	1,305	1,324	1,336	1,354	-3.6
Primary metals.....	10,198	10,417	10,667	-2.1	-2.3	-3.0	10,531	10,670	10,755	11,656	-9.7
Fabricated metal products.....	13,471	13,424	13,420	0.4	0.0	1.4	13,615	13,443	13,282	13,145	3.6
Machinery.....	18,748	18,698	18,874	0.3	-0.9	-0.1	19,128	18,920	18,723	19,268	-0.7
Computers and electronic products.....	16,192	16,110	15,906	0.5	1.3	0.4	16,222	16,185	15,667	16,697	-2.8
Electrical equipment, appliances, and components.....	3,749	3,751	3,809	-0.1	-1.5	1.3	3,827	3,823	3,802	3,684	3.9
Transportation equipment.....	80,104	80,196	78,962	-0.1	1.6	1.3	80,780	81,130	78,353	71,185	13.5
Furniture and related products.....	986	1,004	969	-1.8	3.6	1.1	991	1,001	957	971	2.1
Miscellaneous products.....	3,387	3,434	3,444	-1.4	-0.3	-1.3	3,431	3,443	3,404	3,524	-2.6
Nondurable goods industries.....	50,646	51,287	50,551	-1.2	1.5	0.6	50,504	51,967	51,659	49,682	1.7
Food products.....	4,733	4,820	4,751	-1.8	1.5	1.5	4,164	4,453	4,593	3,902	6.7
Beverage and tobacco products.....	6,785	6,764	6,725	0.3	0.6	0.4	6,562	6,755	6,878	5,972	9.9
Textiles.....	752	762	761	-1.3	0.1	0.4	753	759	751	744	1.2
Textile products.....	429	433	422	-0.9	2.6	0.7	434	441	426	422	2.8
Apparel.....	315	320	316	-1.6	1.3	-1.9	313	311	291	335	-6.6
Leather and allied products.....	106	104	103	1.9	1.0	-1.0	104	101	103	112	-7.1
Paper products.....	1,394	1,388	1,379	0.4	0.7	1.5	1,403	1,391	1,373	1,347	4.2
Printing.....	1,288	1,274	1,282	1.1	-0.6	2.4	1,197	1,280	1,272	1,224	-2.2
Petroleum and coal products.....	13,021	13,305	13,084	-2.1	1.7	-3.0	13,394	14,154	14,137	15,223	-12.0
Chemical products.....	19,171	19,538	19,182	-1.9	1.9	2.8	19,497	19,705	19,258	17,789	9.6
Plastics and rubber products.....	2,652	2,579	2,546	2.8	1.3	1.0	2,683	2,617	2,577	2,612	2.7
<b>FINISHED GOODS</b>											
All manufacturing industries.....	224,052	223,912	223,937	0.1	0.0	0.0	226,345	225,828	224,502	222,584	1.7
Durable goods industries.....	103,680	103,803	103,691	-0.1	0.1	-0.3	105,265	104,769	103,722	104,773	0.5
Wood products.....	4,310	4,229	4,168	1.9	1.5	3.1	4,412	4,334	4,357	3,784	16.6
Nonmetallic mineral products.....	5,873	5,806	5,753	1.2	0.9	1.2	6,005	6,015	5,970	5,834	2.9
Primary metals.....	10,352	10,589	10,894	-2.2	-2.8	-1.1	10,587	10,904	11,109	11,314	-6.4
Fabricated metal products.....	16,724	16,746	16,830	-0.1	-0.5	1.8	17,058	17,072	17,019	16,660	2.4
Machinery.....	22,740	22,619	22,418	0.5	0.9	0.7	23,072	22,990	22,788	22,488	2.6
Computers and electronic products.....	12,092	11,931	12,013	1.3	-0.7	-0.2	12,255	11,719	11,624	12,150	0.9
Electrical equipment, appliances, and components.....	5,792	5,834	5,888	-0.7	-0.9	1.3	5,831	5,952	5,862	5,740	1.6
Transportation equipment.....	11,502	11,717	11,408	-1.8	2.7	-7.4	11,732	11,579	11,037	12,876	-8.9
Furniture and related products.....	2,229	2,229	2,266	0.0	-1.6	-0.2	2,286	2,162	2,124	2,150	6.3
Miscellaneous products.....	12,066	12,103	12,053	-0.3	0.4	-0.2	12,027	12,042	11,832	11,777	2.1
Nondurable goods industries.....	120,372	120,109	120,246	0.2	-0.1	0.3	121,080	121,059	120,780	117,811	2.8
Food products.....	26,664	26,415	26,310	0.9	0.4	0.8	26,151	25,850	25,701	25,148	4.0
Beverage and tobacco products.....	7,958	7,925	7,920	0.4	0.1	0.9	7,993	8,014	7,936	7,594	5.3
Textiles.....	1,373	1,370	1,355	0.2	1.1	0.4	1,374	1,380	1,347	1,410	-2.6
Textile products.....	1,433	1,434	1,439	-0.1	-0.3	0.9	1,450	1,445	1,439	1,379	5.1
Apparel.....	1,115	1,106	1,093	0.8	1.2	1.9	1,070	1,029	1,024	909	17.7
Leather and allied products.....	644	645	642	-0.2	0.5	3.0	637	629	618	563	13.1
Paper products.....	6,270	6,276	6,267	-0.1	0.1	0.7	6,364	6,354	6,320	6,350	0.2
Printing.....	1,791	1,743	1,719	2.8	1.4	0.8	1,840	1,765	1,699	1,701	8.2
Petroleum and coal products.....	21,719	21,557	21,893	0.8	-1.5	-3.6	22,247	22,075	22,304	22,765	-2.3
Chemical products.....	40,658	40,875	40,894	-0.5	0.0	1.8	40,989	41,503	41,377	39,618	3.5
Plastics and rubber products.....	10,747	10,763	10,714	-0.1	0.5	0.3	10,965	11,015	11,015	10,374	5.7

<sup>p</sup> Preliminary<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

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

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

**Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group<sup>1</sup>**

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>2</sup>			
	May 2013 <sup>3</sup>	Apr 2013 <sup>1</sup>	Mar 2013	Feb 2013	May 2013 <sup>3</sup>	Apr 2013 <sup>1</sup>	Mar 2013	Feb 2013
All manufacturing industries <sup>3</sup> .....	1.30	1.31	1.30	1.28	(X)	(X)	(X)	(X)
Durable goods industries <sup>3</sup> .....	1.64	1.66	1.65	1.67	6.21	6.28	6.21	6.30
Wood products.....	1.36	1.35	1.36	1.32	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.38	1.38	1.40	1.40	(X)	(X)	(X)	(X)
Primary metals.....	1.42	1.42	1.45	1.46	1.41	1.35	1.34	1.31
Fabricated metal products.....	1.64	1.62	1.66	1.62	3.10	3.06	3.10	3.01
Machinery.....	1.92	1.94	1.89	1.90	3.27	3.30	3.23	3.32
Computers and electronic products <sup>3</sup> .....	1.69	1.67	1.61	1.67	7.25	7.32	7.06	7.09
Electrical equipment, appliances, and components.....	1.60	1.63	1.64	1.63	2.32	2.37	2.32	2.28
Transportation equipment.....	1.67	1.74	1.70	1.75	14.03	14.86	14.51	15.30
Furniture and related products.....	1.09	1.09	1.10	1.11	1.31	1.31	1.32	1.33
Miscellaneous products.....	1.69	1.71	1.70	1.70	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.99	0.99	0.99	0.95	(X)	(X)	(X)	(X)
Food products.....	0.77	0.77	0.77	0.76	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.62	1.65	1.67	1.71	(X)	(X)	(X)	(X)
Textiles.....	1.28	1.27	1.28	1.26	(X)	(X)	(X)	(X)
Textile products.....	1.50	1.51	1.51	1.50	(X)	(X)	(X)	(X)
Apparel.....	1.90	1.89	1.95	1.88	(X)	(X)	(X)	(X)
Leather and allied products.....	2.23	2.26	2.29	2.19	(X)	(X)	(X)	(X)
Paper products.....	1.02	1.02	1.02	1.01	(X)	(X)	(X)	(X)
Printing.....	0.83	0.83	0.84	0.82	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.67	0.68	0.66	0.61	(X)	(X)	(X)	(X)
Chemical products.....	1.30	1.33	1.32	1.29	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.22	1.22	1.24	1.21	(X)	(X)	(X)	(X)

X Not Applicable    <sup>1</sup> Preliminary    <sup>2</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>3</sup> 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.

<sup>3</sup> Unfilled orders to shipments ratio excludes semiconductor manufacturing.

**Table 8. Revisions to Previously Published Monthly Percent Changes<sup>1</sup>**

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	May <sup>2</sup> 2013	May <sup>3</sup> 2012-Apr 2013	May <sup>2</sup> 2013	May <sup>3</sup> 2012-Apr 2013	May <sup>2</sup> 2013	May <sup>3</sup> 2012-Apr 2013	May <sup>2</sup> 2013	May <sup>3</sup> 2012-Apr 2013
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
Durable goods industries.....	0.1	0.3	0.1	0.5	0.0	0.1	0.0	0.1
Wood products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.0	0.7	-0.1	2.0	0.0	1.1	-0.1	0.4
Fabricated metal products.....	-0.2	0.3	-0.2	0.9	0.1	0.3	0.1	0.2
Machinery.....	0.1	0.6	-0.5	1.0	-0.2	0.3	-0.1	0.2
Computers and electronic products.....	-0.1	0.9	-0.3	0.9	0.0	0.1	0.1	0.2
Electrical equipment, appliances, and components.....	-0.1	0.3	0.3	1.1	0.2	0.4	0.1	0.5
Transportation equipment.....	0.3	0.4	0.7	1.3	0.1	0.1	-0.2	0.2
Furniture and related products.....	(X)	0.4	(X)	0.5	(X)	0.4	(X)	0.3
Miscellaneous products.....	(X)	0.4	(X)	0.4	(X)	0.5	(X)	0.2
Nondurable goods industries.....	(X)	0.5	(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)	0.2
Textiles.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	1.1
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.6
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Petroleum and coal products.....	(X)	1.3	(X)	(NA)	(X)	(NA)	(X)	0.6
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

<sup>1</sup> 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.

<sup>2</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

<sup>3</sup> 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>.