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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.

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 June is scheduled for release on July 25, 2013, at 8:30 a.m. EDT and the full report on August 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 do	e shown in millions of dollars and are based on data from the Manufacturers' Seasonally Adjusted						Not Seasonally Adjusted							
		Monthly	, , , , , , , , , , , , , , , , , , ,	_	cent Cha	nge		Mon	nthly	,		Year to date		
Industry	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	Apr May	Mar Apr.	Feb Mar.	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	May 2012	2013 ^p	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			429,254	417,183	428,316	428,490	2,060,533	2,056,661	0.2	
Excluding defense	471,457 161,855	467,142 158,586	469,592 160,052	0.9 2.1	-0.5 -0.9		489,447 166,758	472,216 156,900	488,663 172,011	482,608 164,137	2,334,979 786,974	2,308,458 781,481	1.1 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		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		-0.6	9,075	8,444	7,840	8,681	39,364	38,239	2.9	
Primary metals Iron and steel mills	24,466 9,933	24,698 10,292	24,561 10,306	-0.9 -3.5		-1.2 -1.7	25,988 10,827	25,981 11,065	25,898 10,978	27,135 13,200	127,329 54,034	131,048 62,949	-2.8 -14.2	
Aluminum and nonferrous metals	12,869	12,696	12,545	1.4		-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		1,793	1,793	1,840	1,885	8,751	9,109	-3.9	
Fabricated metal products	28,904	29,090	28,451	-0.6		-1.8	30,156	29,560	28,976	29,736	142,694	141,845	0.6	
Machinery Farm machinery	34,675 2,063	34,255 2,016	35,078 2,131	1.2 2.3		0.7 -8.1	35,528 2,180	34,798 2,864	37,737 2,752	33,516 2,159	170,654 12,557	162,388 13,605	5.1 -7.7	
Construction machinery	5,060	5,076	5,291	-0.3		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			2,057	2,015	2,263	2,341	10,467	11,096	-5.7	
Industrial machinery	3,599 660	3,471 661	3,618 651	3.7 -0.2		-4.3 0.8	3,649 653	3,143 590	4,307 728	3,213 684	17,305 3,115	15,247 3,268	13.5 -4.7	
Photographic equipmentVentilation, heating, air-conditioning,	000	001	031	-0.2	1.5	0.0	000	390	720	004	3,113	3,200	-4.7	
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		0.8	3,106	2,942	3,001	2,822	14,274	12,883	10.8	
Turbines, generators, and other	4 124	2 000	4 574	6.5	15.1	10.0	4 267	4,001	4.750	4.004	20.097	20.454	-1.8	
power transmission equipment Material handling equipment	4,134 2,768	3,880 2,807	4,571 2,714	6.5 -1.4	-15.1 3.4	19.0 -0.3	4,267 2,886	2,703	4,752 2,935	4,084 2,710	20,087 13,622	20,454 12,799	6.4	
Computers and electronic products ²	27,494	27,569	28,438	-0.3		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			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		444	480	448	681	2,120	2,472	-14.2	
Audio and video equipment	282	275	249	2.5		-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	1,210	1,200	1,200	0.2		0.4	1,201	1,122	1,401	1,071	0,200	0,000	0.0	
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,	0.044	0.040	0.470		7.4	0.7	0.004	F 000	7.000	0.007	00.004	04.574	40.0	
and control instruments Electrical equipment, appliances,	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	
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			782	819	826	965	3,989	4,838	-17.5	
Household appliances	1,649	1,612	1,615	2.3		-1.0	1,791	1,699	1,758	1,692	8,108	7,631	6.3	
Electrical equipment	3,360 1,013	3,346 1,019	3,344 985	0.4 -0.6		-0.8 0.9	3,486 958	3,213 961	3,668 925	3,555 906	16,419 4,479	16,787 4,385	-2.2 2.1	
Transportation equipment	69,281	66,704	67,410	3.9			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		-0.6	13,452	12,870	13,276	11,936	62,434	54,964	13.6	
Heavy duty trucks Motor vehicle bodies, parts,	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	
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		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		9.2	4,633	4,063	6,016	4,711	22,338	22,831	-2.2	
Ships and boats	2,467 5,542	2,402 5,550	2,402 5,471	2.7 -0.1			2,610 5,692	2,465 5,473	2,649 5,600	2,556 5,486	11,992 27,244	12,047	-0.5 2.8	
Furniture and related products Miscellaneous durable goods	13,420	13,368	13,454	0.4	1.4 -0.6	-0.7	13,534	13,127	14,262	13,437	66,460	26,496 65,861	0.9	
												1,271,820		
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		-0.2	
Food products	62,210	62,313	61,929	-0.2			61,672	60,493	62,453	60,342	304,642	295,532	3.1	
Grain and oilseed milling Dairy products	8,055 8,741	8,198 8,672	8,470 8,457	-1.7 0.8			7,496 8,762	7,820 8,402	8,273 8,498	7,809 8,369	40,302 41,683	38,828 41,630	3.8 0.1	
Meat, poultry, and seafood products	17,953	17,942	17,641	0.0	1.7	-0.8	18,200	17,658	17,687	18,324	87,782	87,479	0.1	
Beverage and tobacco products	12,383	12,047	11,849	2.8		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	9,654	8,687	8,558	9,566	41,961	41,862	0.2	
Tobacco	3,738 2,604	3,429 2,604	3,204 2,563	9.0 0.0			3,738 2,761	3,429 2,662	3,204 2,699	3,797	16,072 13,048	16,326	-1.6 -0.5	
Textile mills Textile products	2,004	2,020	2,017	0.0		-1.5 -0.8	2,761	2,002	2,099	2,681 2,023	10,167	13,118 9,671	5.1	
Apparel	1,120	1,123	1,079	-0.3		-2.4	1,008	1,027	1,028	967	5,158	5,049	2.2	
Leather and allied products	479	477	471	0.4			483	471	497	488	2,389	2,360	1.2	
Pulp paper and paperheard mills	14,228	14,268	14,238	-0.3			14,436	14,121	14,345	14,724	70,294	72,136	-2.6	
Pulp, paper, and paperboard mills Paperboard containers	6,640 4,346	6,673 4,314	6,710 4,247	-0.5 0.7	-0.6 1.6		6,632 4,466	6,542 4,358	6,772 4,293	6,789 4,357	32,985 21,188	33,642 21,276	-2.0 -0.4	
Printing	6,680	6,692	6,586	-0.2			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			71,429	67,337	70,164	72,684	343,065	346,602	-1.0	
Chemical products Pesticides, fertilizers, and other	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	
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	
Plantis, coatings, and adhesives	3,126	3,025	3,004	3.3		-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	

Preliminary 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

	Seasonally Adjusted							Not Seasonally Adjusted						
		Monthly Percent Change Monthly						١	ear to date					
Industry	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	Apr May	Mar Apr.	Feb Mar.	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	May 2012	2013 ^p	2012	Percent 2013/ 2012	
All manufacturing industries ²	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 ²	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 ²	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 ²	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 ²	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		26,337	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		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			35,703	36,501	33,798	175,141	168,467	4.0	
Construction machinery Mining, oil field, and	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	
gas field machinery	1,896	2,037	2,033	-6.9	0.2	-24.6		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 Ventilation, heating, air-conditioning,	608	865	684	-29.7	26.5	0.3	586	981	647	778	3,583	3,751	-4.5	
and refrigeration equipment Metalworking machinery	3,754 3,048	3,628 3,226	3,384 2,873	3.5 -5.5	7.2 12.3	-7.3 2.1	4,308 3,042	3,670 3,162	3,463 2,783	4,206 2,728	17,536 14,324	17,716 13,279	-1.0 7.9	
Turbines, generators, and other														
power transmission equipment	4,251	4,152	4,337	2.4	-4.3	18.9		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 ²	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 Nondefense communications	593	545	582	8.8	-6.4	-27.6	525	491	646	845	2,811	3,487	-19.4	
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 Nondefense search and navigation	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	
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		772	866	993	4,048	4,863	-16.8	
Household appliances	1,659	1,629	1,666	1.8	-2.2	4.9	, -	1,678	1,750	1,778	8,160	7,690	6.1	
Electrical equipment	3,423	3,399	3,292	0.7	3.3		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,	10 100	10 500	10 047	2.0	4.1	-0.3	20 504	20.046	10.075	10 204	07.004	02.040		
and trailers	19,188	19,589	18,817 10.431	-2.0			20,594	20,046	19,875	19,304 9.029	97,091 60.146	93,016	4.4	
Nondefense aircraft and parts	18,613 4,257	12,346	-, -	50.8 3.7	18.4 42.8	-43.3 -7.5	17,162 2,872	7,164	10,648	- ,	,	57,517	4.6 -34.2	
Defense aircraft and parts		4,106	2,875					2,874	3,614	3,311	15,606	23,730		
Ships and boats Furniture and related products	2,435 5,508	1,615 5,589	1,272 5,385	50.8 -1.4	27.0 3.8	25.2 -0.8	2,282 5,822	1,565 5,822	1,414 5,839	1,498 5,615	8,467 28,133	9,346 27,620	-9.4 1.9	
·	, i								-		· ·			
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	

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

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/.

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.

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

Estimates are shown in millions of do			Seasonally A				Not Seasonally Adjusted					
		Monthly	,	•	rcent Chan	ae			nthly		Percent	
Industry	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	Apr May	Mar Apr.	Feb Mar.	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	May 2012	Change May 13/12	
All manufacturing industries ²	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 ²	387,968	385,072	382,341	0.8	0.7	-0.1	395,631	393,895	389,871	397,299	-0.4	
Excluding defense ²	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 ²	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		106,136	105,231	120,525	-11.8	
Construction machinery Mining, oil field, and	10,186	10,166	10,522	0.2	-3.4	-4.2	10,671	10,727	10,973	17,295	-38.3	
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 equipmentVentilation, heating, air-conditioning,	3,739	3,791	3,587	-1.4	5.7	0.9	3,776	3,843	3,452	3,381	11.7	
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 ²	133,286	131,961	130,821	1.0	0.9	-0.3	134,127	133,375	132,002	129,131	3.9	
Computers Nondefense communications	3,483	3,458	3,432	0.7	0.8	-0.8	3,483	3,458	3,432	2,748	26.7	
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 Nondefense search and navigation	12,974	12,977	12,889	0.0	0.7	0.7	13,006	13,067	12,876	12,576	3.4	
equipment Defense search and navigation	15,786	15,515	15,113	1.7	2.7	2.1	15,940	15,682	14,964	12,270	29.9	
equipment	42,859	43,095	43,523	-0.5	-1.0	-1.3	43,004	43,629	44,254	46,849	-8.2	
and control instruments Electrical equipment, appliances,	25,288	25,030	24,561	1.0	1.9	-1.2	25,656	25,435	24,896	26,133	-1.8	
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	0.0	0.3	-0.8	616,777	614,998	619,887	583,897	5.6	
Motor vehicle bodies, parts,	010,010	011,000	011,001	0.0	0.1	0.0	010,777	014,000	010,001	000,007	0.0	
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	
	.,	-7	-,				.,	-, -	.,	., ,-		

^P Preliminary 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 do	llars and ar		data from t Seasonally A		acturers' S	hipments	, Inventories		ers Survey.] easonally Adj	usted	
		Monthly	, , , ,		rcent Chan	ge			nthly		Percent
Industry	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	Apr May	Mar Apr.	Feb Mar.	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	May 2012	Change May 13/12
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 1.9
Excluding defense With unfilled orders	599,873 308,747	599,640 308,347	599,255 307,473	0.0 0.1	0.1 0.3	0.1 -0.1	604,170 311,804	604,212 310,645	599,836 305,894	593,150 301,889	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
_								•	•		14.7
Wood products Nonmetallic mineral products	9,856 11,466	9,723 11,401	9,674 11,367	1.4 0.6	0.5 0.3	3.0 -0.2	9,704 11,656	9,618 11,695	9,845 11,649	8,457 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 12,544	20,195 12,506	20,537 12,717	-1.7 0.3	-1.7 -1.7	-1.9 -2.6	20,191 12,599	20,497 12,563	20,638 12,707	22,205 12,442	-9.1 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 0.3	-0.1	0.7 0.0	47,736	47,603	47,304	47,490	0.5 0.6
Machinery Farm machinery	66,483 3,881	66,292 3,914	66,125 3,920	-0.8	0.3 -0.2	3.0	67,282 3,964	66,886 4,053	66,115 4,204	66,879 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	-0.3	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	-0.7	4,428	4,447	4,346	4,367	1.4
Computers and electronic products ²	46,534	46,111	45,900	0.9	0.5	-0.2	46,861	46,017	45,024	46,553	0.7
Computers Computer storage devices	913 1,933	916 1,791	809 1,765	-0.3 7.9	13.2 1.5	-0.9 -6.0	939 2,029	882 1,749	766 1,633	947 1,784	-0.8 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	0.005	0.470	0.000	0.0	2.0	0.0	0.405	0.040	0.070	0.450	0.0
equipment Defense communications equipment	6,225 1,249	6,178 1,298	6,383 1,277	0.8 -3.8	-3.2 1.6	0.2 1.7	6,195 1,249	6,048 1,298	6,270 1,277	6,156 1,377	0.6 -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 Electromedical, measuring	3,119	2,999	2,964	4.0	1.2	-3.6	3,262	3,072	2,985	3,087	5.7
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,	40.040	40.040	40.000	0.0		0.0	40.000	40.007	40.055	40.504	4.7
and components Electric lighting equipment	16,613 1,945	16,649 1,953	16,890 1,974	-0.2 -0.4	-1.4 -1.1	0.0 0.2	16,882 2,009	16,897 1,997	16,855 1,955	16,594 1,902	1.7 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 1,149	4,885 1,169	4,900 1,137	0.1 -1.7	-0.3 2.8	-1.2 -1.0	4,976 1,189	4,930 1,224	4,844 1,153	5,088 1,151	-2.2 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 Heavy duty trucks	2,279 2,092	2,333 2,185	2,303 2,283	-2.3 -4.3	1.3 -4.3	-7.2 -4.4	2,305 2,043	2,323 2,104	2,149 2,226	2,621 2,038	-12.1 0.2
Motor vehicle bodies, parts,											
and trailers	18,087 62,485	17,953 62,422	17,829 61,225	0.7 0.1	0.7	-0.7	18,100 63,427	17,945 63,294	17,698	17,997 54,689	0.6 16.0
Nondefense aircraft and parts Defense aircraft and parts	13,922	13,705	13,789	1.6	2.0 -0.6	1.1 -1.6		13,679	60,785 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 Miscellaneous durable goods	6,026 22,746	6,030 22,827	6,034 22,911	-0.1 -0.4	-0.1 -0.4	-0.8 -0.4	6,102 22,794	5,953 22,754	5,844 22,598	6,029 22,991	1.2 -0.9
Nondurable goods industries	250,087		250,304	0.0	-0.1	0.2	251,174	252,559	252,899	248,987	0.9
-		250,161							•		
Food productsGrain and oilseed milling	47,794 5,634	47,766 5,683	47,566 5,623	0.1 -0.9	0.4 1.1	0.1 -1.3	46,239 5,217	46,495 5,494	46,473 5,555	45,935 5,498	0.7 -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 20,093	8,891	8,609	2.3 6.3
Beverage and tobacco products Beverages	20,008 15,996	19,894 15,882	19,747 15,782	0.6 0.7	0.7 0.6	0.4 0.2	19,812 15,896	16,051	20,031 15,962	18,636 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 Textile products	3,321 3,049	3,319 3,045	3,289 3,051	0.1 0.1	0.9 -0.2	0.2 0.3	3,342 3,094	3,337 3,073	3,266 3,049	3,322 3,011	0.6 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 productsPulp, paper, and paperboard mills	14,479 6,168	14,502 6,196	14,495 6,198	-0.2 -0.5	0.0 0.0	0.3 0.5	14,531 6,221	14,592 6,244	14,564 6,247	14,700 6,504	-1.1 -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 50,180	5,483 51.541	-0.6
Petroleum and coal products Petroleum refineries	47,208 43,265	46,980 43,130	47,695 43,920	0.5 0.3	-1.5 -1.8	-1.5 -1.8	48,751 44,782	48,998 45,200	50,180 46,550	51,541 47,685	-5.4 -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
Plants, 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

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

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 are not adjusted for price change 2 Estimates are not adjusted for price change 3 Estimates are not adjusted for price change 3 Estimates are not shown separate 3 Estimates 3 Estimat

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 d	oliais allu		sonally Adj		Wallul	acturer	Not Seasonally Adjusted						
		Monthly			cent Cha	nge		Mon	ithly	·	Year t	o date	Percent
Industry	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	Apr May	Mar Apr.	Feb Mar.	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	May 2012	2013 ^p	2012	Change ⁶ 2013/ 2012
SHIPMENTS													
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 Information technology Computers and related products Motor vehicle and parts	42,845 21,546 2,357 44,405	42,904 20,960 2,336 45,158	42,133 21,779 2,482 44,162	-0.1 2.8 0.9 -1.7	1.8 -3.8 -5.9 2.3	-2.2 0.9 11.9 0.6	46,150 20,916 1,932 47,616	44,094 18,987 1,691 46,233	41,791 24,596 3,251 47,012	44,836 22,258 2,263 43,996	208,215 102,064 10,033 223,994	203,163 107,675 10,970 204,204	2.5 -5.2 -8.5 9.7
Capital goods	85,513 75,798 66,398 9,715	80,950 71,394 65,164 9,556	84,143 74,005 66,592 10,138	5.6 6.2 1.9 1.7	-3.8 -3.5 -2.1 -5.7	2.7 2.5 0.6 3.8	85,688 75,925 66,584 9,763	77,890 68,910 63,536 8,980	93,016 81,642 72,536 11,374	82,283 72,313 65,307 9,970	402,505 355,207 321,488 47,298	396,160 349,349 317,569 46,811	1.6 1.7 1.2 1.0
Consumer goods	208,018 35,868 172,150	207,018 36,045 170,973	208,821 35,798 173,023	0.5 -0.5 0.7	-0.9 0.7 -1.2	-3.5 -0.4 -4.1	215,909 37,909 178,000	207,312 36,709 170,603	214,238 38,632 175,606	213,051 34,790 178,261	1,038,287 180,894 857,393	1,018,773 162,544 856,229	1.9 11.3 0.1
NEW ORDERS All manufacturing industries ⁵	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 Information technology	43,153 22,863 2,382 44,492	42,621 22,356 2,362 45,127	42,159 21,432 2,454 44,109	1.2 2.3 0.8 -1.4	1.1 4.3 -3.7 2.3	-2.5 -0.7 -0.4 0.1	47,035 21,730 1,957 47,475	44,003 20,444 1,717 45,988	42,635 24,323 3,223 46,796	45,583 22,387 2,270 43,576	210,596 105,962 10,289 224,045	206,340 113,997 10,975 203,672	2.1 -7.0 -6.3 10.0
Capital goods Nondefense capital goods ³ Excluding aircraft Defense capital goods ⁴	92,213 83,762 68,536 8,451	83,807 76,374 67,531 7,433	79,517 73,795 66,734 5,722	10.0 9.7 1.5 13.7	5.4 3.5 1.2 29.9	-12.0 -8.9 1.1 -39.1	89,310 82,823 68,605 6,487	77,328 71,718 67,305 5,610	89,489 80,574 73,919 8,915	78,546 71,472 66,337 7,074	419,805 382,602 339,219 37,203	418,311 372,547 332,318 45,764	0.4 2.7 2.1 -18.7
Consumer goods Consumer durable goods Consumer nondurable goods	208,063 35,913 172,150	207,080 36,107 170,973	208,752 35,729 173,023	0.5 -0.5 0.7	-0.8 1.1 -1.2	-3.5 -0.5 -4.1	215,897 37,897 178,000	207,385 36,782 170,603	214,192 38,586 175,606	213,046 34,785 178,261	1,038,626 181,233 857,393	1,019,091 162,862 856,229	1.9 11.3 0.1
UNFILLED ORDERS													
All manufacturing industries ⁵	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 Information technology Computers and related products Motor vehicle and parts	50,746 132,703 3,483 16,703	50,438 131,386 3,458 16,616	50,721 129,990 3,432 16,647	0.6 1.0 0.7 0.5	-0.6 1.1 0.8 -0.2	0.1 -0.3 -0.8 -0.3	52,049 133,642 3,483 16,836	51,164 132,828 3,458 16,977	51,255 131,371 3,432 17,222	52,523 129,306 2,748 17,345	(X) (X) (X) (X)	(X) (X) (X) (X)	-0.9 3.4 26.7 -2.9
Capital goods Nondefense capital goods ³ Excluding aircraft Defense capital goods ⁴	753,168 585,885 220,566 167,283	746,468 577,921 218,428 168,547	743,611 572,941 216,061 170,670	0.9 1.4 1.0 -0.7	0.4 0.9 1.1 -1.2	-0.6 0.0 0.1 -2.5	758,514 590,666 225,570 167,848	754,892 583,768 223,549 171,124	755,454 580,960 219,780 174,494	728,094 560,684 224,804 167,410	(X) (X) (X)	(X) (X) (X)	4.2 5.3 0.3 0.3
Consumer goods	4,231 4,231	4,186 4,186	4,124 4,124	1.1 1.1	1.5 1.5	-1.6 -1.6	4,412 4,412	4,424 4,424	4,351 4,351	4,319 4,319	(X) (X)	(X) (X)	2.2 2.2
TOTAL INVENTORIES			,								, ,	, ,	
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 Information technology	61,568 40,260 4,567 25,117	61,388 39,856 4,373 25,205	61,327 39,951 4,161 25,178	0.3 1.0 4.4 -0.3	0.1 -0.2 5.1 0.1	1.0 -0.8 -4.8 -1.5	62,201 40,679 4,734 25,084	62,054 39,770 4,315 25,081	61,737 39,228 3,924 24,639	60,131 39,848 4,637 25,240	(X) (X) (X) (X)	(X) (X) (X) (X)	3.4 2.1 2.1 -0.6
Capital goods Nondefense capital goods ³ Excluding aircraft Defense capital goods ⁴	193,849 171,346 120,114 22,503	193,456 171,045 119,841 22,411	192,261 170,138 120,118 22,123	0.2 0.2 0.2 0.4	0.6 0.5 -0.2 1.3	0.0 0.1 -0.3 -1.3	195,925 173,335 121,195 22,590	194,736 172,138 120,070 22,598	190,999 168,688 118,945 22,311	185,790 164,745 120,468 21,045	(X) (X) (X) (X)	(X) (X) (X) (X)	5.5 5.2 0.6 7.3
Consumer goods	187,184 24,828 162,356	187,106 24,963 162,143	187,489 25,024 162,465	0.0 -0.5 0.1	-0.2 -0.2 -0.2	-0.1 -0.6 0.0	187,261 24,697 162,564	188,106 24,743 163,363	188,577 24,349 164,228	186,766 25,085 161,681	(X) (X) (X)	(X) (X) (X)	0.3 -1.5 0.5

X Not Applicable Prelimina

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 adjuste 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 are tegroupings of the separate industry categories ³
⁴ 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 compresso material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigati equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stoin ships and boats; office and institutional furniture; and medical equipment and supplie

⁴ Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boat 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 d	oliars and a		Seasonally A		acturers	Snipment	s, inventorie		ers Survey. easonally Adj		
		Monthly	·		rcent Chan	ge		Mon			Percent
Industry	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	Apr May	Mar Apr.	Feb Mar.	May 2013 ^p	Apr. 2013 ^r	Mar. 2013	May 2012	Change May 13/12
MATERIALS AND SUPPLIES											
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 Nonmetallic mineral products	3,771 4,324	3,732 4,320	3,721 4,318	1.0 0.1	0.3 0.0	3.3 -0.9	3,501 4,346	3,496 4,356	3,685 4,343	3,083 4,440	13.6 -2.1
Primary metals	14,151	13,996 17,081	13,999 17,059	1.1 -0.1	0.0 0.1	-2.1 -1.0	13,997 17,063	13,838 17,088	13,797 17,003	14,032 17,685	-0.2 -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 Electrical equipment, appliances,	18,250	18,070	17,981	1.0	0.5	-0.8	18,384	18,113	17,733	17,706	3.8
and components Transportation equipment	7,072 24,432	7,064 24,163	7,193 24,394	0.1 1.1	-1.8 -0.9	-1.7 0.1	7,224 24,378	7,122 24,153	7,191 24,385	7,170 22,744	0.8 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 Food products	79,069 16,397	78,765 16,531	79,507 16,505	0.4 -0.8	-0.9 0.2	-0.1 -1.5	79,590 15,924	79,533 16,192	80,460 16,179	81,494 16,885	-2.3 -5.7
Beverage and tobacco products Textiles	5,265 1,196	5,205 1,187	5,102 1,173	1.2 0.8	2.0 1.2	-0.4 -0.3	5,257 1,215	5,324 1,198	5,217 1,168	5,070 1,168	3.7 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
ApparelLeather and allied products	696 319	694 327	698 334	0.3 -2.4	-0.6 -2.1	2.5 2.8	696 318	688 321	687 320	599 311	16.2 2.3
Paper products	6,815 2,469	6,838 2,534	6,849 2,520	-0.3 -2.6	-0.2 0.6	-0.2 -0.7	6,764 2,413	6,847 2,521	6,871 2,518	7,003 2,558	-3.4 -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 productsPlastics and rubber products	23,300 8,957	23,196 8,957	23,264 9,154	0.4 0.0	-0.3 -2.2	-1.2 0.1	23,574 9,109	23,390 9,096	23,321 9,256	23,574 9,563	0.0 -4.7
WORK IN PROCESS											
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 Nonmetallic mineral products	1,775 1,269	1,762 1,275	1,785 1,296	0.7 -0.5	-1.3 -1.6	2.2 -3.5	1,791 1,305	1,788 1,324	1,803 1,336	1,590 1,354	12.6 -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 18,748	13,424 18,698	13,420 18,874	0.4 0.3	0.0 -0.9	1.4 -0.1	13,615 19,128	13,443 18,920	13,282 18,723	13,145 19,268	3.6 -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 Furniture and related products	80,104 986	80,196 1,004	78,962 969	-0.1 -1.8	1.6 3.6	1.3 1.1	80,780 991	81,130 1,001	78,353 957	71,185 971	13.5 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 Beverage and tobacco products	4,733 6,785	4,820 6,764	4,751 6,725	-1.8 0.3	1.5 0.6	1.5 0.4	4,164 6,562	4,453 6,755	4,593 6,878	3,902 5,972	6.7 9.9
Textiles Textile products	752 429	762 433	761 422	-1.3 -0.9	0.1 2.6	0.4 0.7	753 434	759 441	751 426	744 422	1.2 2.8
Apparel	315	320	316	-1.6	1.3	-1.9	313	311	291	335	-6.6
Leather and allied products Paper products	106 1,394	104 1,388	103 1,379	1.9 0.4	1.0 0.7	-1.0 1.5	104 1,403	101 1,391	103 1,373	112 1,347	-7.1 4.2
Printing Petroleum and coal products	1,288 13,021	1,274 13,305	1,282 13,084	1.1 -2.1	-0.6 1.7	2.4 -3.0	1,197 13,394	1,280 14,154	1,272 14,137	1,224 15,223	-2.2 -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 FINISHED GOODS	2,652	2,579	2,546	2.8	1.3	1.0	2,683	2,617	2,577	2,612	2.7
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	0.0	-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 Primary metals	5,873 10,352	5,806 10,589	5,753 10,894	1.2 -2.2	0.9 -2.8	1.2 -1.1	6,005 10,587	6,015 10,904	5,970 11,109	5,834 11,314	2.9 -6.4
Fabricated metal products	16,724	16,746	16,830	-0.1	-0.5	1.8 0.7	17,058	17,072	17,019	16,660	2.4
Machinery Computers and electronic products	22,740 12,092	22,619 11,931	22,418 12,013	0.5 1.3	0.9 -0.7	-0.2	23,072 12,255	22,990 11,719	22,788 11,624	22,488 12,150	2.6 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 Miscellaneous products	2,229 12,066	2,229 12,103	2,266 12,053	0.0 -0.3	-1.6 0.4	-0.2 -0.2	2,286 12,027	2,162 12,042	2,124 11,832	2,150 11,777	6.3 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 Beverage and tobacco products	26,664 7,958	26,415 7,925	26,310 7,920	0.9 0.4	0.4 0.1	0.8 0.9	26,151 7,993	25,850 8,014	25,701 7,936	25,148 7,594	4.0 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 1,115	1,434 1,106	1,439 1,093	-0.1 0.8	-0.3 1.2	0.9 1.9	1,450 1,070	1,445 1,029	1,439 1,024	1,379 909	5.1 17.7
Leather and allied products		645 6,276	642 6,267	-0.2 -0.1	0.5 0.1	3.0 0.7	637 6,364	629 6,354	618 6,320	563 6,350	13.1 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 Chemical products	21,719 40,658	21,557 40,875	21,893 40,894	0.8 -0.5	-1.5 0.0	-3.6 1.8	22,247 40,989	22,075 41,503	22,304 41,377	22,765 39,618	-2.3 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

Preliminary 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.

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group ¹

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

	Inve	ntory/Ship	oments ra	itio	Unfille	Shipment	its ratio ²	
Industry	May 2013 ^p	Apr 2013 ^r	Mar 2013	Feb 2013	May 2013 ^p	Apr 2013 ^r	Mar 2013	Feb 2013
All manufacturing industries ³	1.30	1.31	1.30	1.28	(X)	(X)	(X)	(X)
Durable goods industries 3	1.64 1.36 1.38 1.42 1.64 1.92 1.69 1.60 1.67 1.09	1.66 1.35 1.38 1.42 1.62 1.94 1.67	1.65 1.36 1.40 1.45 1.66 1.89 1.61 1.64 1.70 1.10	1.32 1.40 1.46 1.62 1.90 1.67 1.63 1.75	6.21 (X) (X) 1.41 3.10 3.27 7.25 2.32 14.03 1.31 (X)	6.28 (X) (X) 1.35 3.06 3.30 7.32 2.37 14.86 1.31 (X)	6.21 (X) (X) 1.34 3.10 3.23 7.06 2.32 14.51 1.32 (X)	6.30 (X) (X) 1.31 3.01 3.32 7.09 2.28 15.30 1.33 (X)
Nondurable goods industries. Food products. Beverage and tobacco products. Textiles. Textile products. Apparel. Leather and allied products. Paper products. Paper products. Petroleum and coal products. Chemical products.	0.99 0.77 1.62 1.28 1.50 1.90 2.23 1.02 0.83 0.67 1.30	0.99 0.77 1.65 1.27 1.51 1.89 2.26 1.02 0.83 0.68 1.33 1.22	0.99 0.77 1.67 1.28 1.51 1.95 2.29 1.02 0.84 0.66 1.32	0.95 0.76 1.71 1.26 1.50 1.88 2.19 1.01 0.82 0.61	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	888888888888888888888888888888888888888	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)

X Not Applicable Preliminary

Table 8. Revisions to Previously Published Monthly Percent Changes¹

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

	Shipments		New C	Orders	Unfilled	Orders	Inventories		
Industry	May ² 2013	May ³ 2012- Apr 2013	May ² 2013	May ³ 2012- Apr 2013	May ² 2013	May ³ 2012- Apr 2013	May ² 2013	May ³ 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 1.1 0.6 0.7 0.3 0.6 0.9 0.3 0.4 0.4 0.4 0.5 0.1 0.4 0.3 0.5 1.0 0.8	0.1 (X) -0.1 -0.2 -0.5 -0.3 0.3 0.7 (X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	1.1 1.3 0.5 0.4 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	0.0 (X)	0.1 (NA) (NA) 1.1 0.3 0.3 0.1 0.4 0.1 0.4 0.5 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	0.1 -0.2 (X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	0.5 0.2 0.4 0.2 0.2 0.2 0.5 0.2 0.3 0.2 0.1 0.2 0.2 0.2 0.2 0.2	
Printing Petroleum and coal products Chemical products Plastics and rubber products	(X) (X) (X)	0.8 1.3 0.3 0.6	(X) (X) (X)	(NA) (NA) (NA) (NA)	(X) (X) (X)	(NA) (NA) (NA) (NA)	(X) (X) (X)	0.5 0.6 0.2 0.2	

X Not Applicable

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.

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.