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

Summary. New orders for manufactured goods in March, up five consecutive months, increased \$13.5 billion or 3.0 percent to \$462.9 billion, the U.S. Census Bureau reported today. This followed a 0.7 percent February increase. Excluding transportation, new orders increased 2.6 percent. Shipments, up seven consecutive months, increased \$12.0 billion or 2.7 percent to \$461.4 billion. This followed a 0.6 percent February increase. Unfilled orders, up eleven of the last twelve months, increased \$7.0 billion or 0.8 percent to \$844.0 billion. This followed a 0.7 percent February increase. The unfilled orders-to-shipments ratio was 5.54, down from 5.63 in February. Inventories, up fourteen of the last fifteen months, increased \$6.3 billion or 1.1 percent to \$572.3 billion. This followed a 1.0 percent February increase. The inventories-to-shipments ratio was 1.24, down from 1.26 in February.

New Orders. New orders for manufactured durable goods in March, up three consecutive months, increased \$5.9 billion or 2.9 percent to \$209.5 billion, revised from the previously published 2.5 percent increase. This followed a 0.8 percent February increase. Transportation equipment, also up three consecutive months, had the largest increase, \$3.2 billion or 6.2 percent to \$54.9 billion. New orders for manufactured nondurable goods increased \$7.6 billion or 3.1 percent to \$253.4 billion.

Shipments. Shipments of manufactured durable goods in March, up five consecutive months, increased \$4.4 billion or 2.1 percent to \$208.1 billion, revised from the previously published 1.8 percent increase. This followed a 0.6 percent February increase. Transportation equipment, up four consecutive months, had the largest increase, \$1.7 billion or 3.4 percent to \$51.1 billion. Shipments of manufactured nondurable goods, up eight consecutive months, increased \$7.6 billion or 3.1 percent to \$253.4 billion. This followed a 0.5 percent February increase. Petroleum and coal products, up seven of the last eight months, led the increase, up \$5.4 billion or 7.8 percent to \$74.5 billion. This followed a 0.4 percent February decrease.

Unfilled Orders. Unfilled orders for manufactured durable goods in March, up eleven of the last twelve months, increased \$7.0 billion or 0.8 percent to \$844.0 billion, unchanged from the previously published increase. This followed a 0.7 percent February increase. Transportation equipment, up three consecutive months, had the largest increase, \$3.7 billion or 0.8 percent to \$482.1 billion.

Inventories. Inventories of manufactured durable goods in March, up fifteen consecutive months, increased \$4.5 billion or 1.4 percent to \$334.3 billion, revised from the previously published 1.3 percent increase. This followed a 1.3 percent February increase. Transportation equipment, also up fifteen consecutive months, had the largest increase, \$1.7 billion or 1.9 percent to \$89.8 billion. Inventories of manufactured nondurable goods, up seven consecutive months, increased \$1.8 billion or 0.8 percent to \$238.1 billion. This followed a 0.6 percent February increase. Petroleum and coal products, also up seven consecutive months, led the increase, up \$1.2 billion or 2.2 percent to \$55.1 billion. By stage of fabrication, March materials and supplies increased 0.6 percent in durable goods and 0.3 percent in nondurable goods. Work in process increased 2.4 percent in durable goods and 0.2 percent in nondurable goods increased 1.0 percent in durable goods and 1.3 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 April is scheduled for release on May 25, 2011, at 8:30 a.m. EDT and the full report on June 2, 2011, at 10:00 a.m. EDT. See back page for survey description and benchmark notice.

Table 1. Value of Manufacturers' Shipments for Industry Groups¹

Estimates are shown in millions of	stimates are shown in millions of dollars and are based on data from the Man Seasonally Adjusted					Manu	facturers	' Shipme		ntories, a easonally		s Survey.]	
		Monthly	Sonany 7 to		ent Cha	inge		Mon		cusonany		ear to date	
Industry	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Feb Mar.	Jan Feb.	Dec Jan.	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Mar. 2010	2011 ^p	2010	Percent 2011/ 2010
All manufacturing industries Excluding transportation Excluding defense With unfilled orders	461,449 410,303 450,239 152,261	449,434 399,946 438,553 148,596	446,860 398,420 436,199 147,561	2.7 2.6 2.7 2.5	0.6 0.4 0.5 0.7	1.7 1.9 1.9 -0.7	487,260 428,846 474,698 166,728	412,652 365,613 402,192 137,397	408,986 367,144 400,325 131,498	437,300 383,866 422,467 154,163	1,308,898 1,161,603 1,277,215 435,623		10.4 11.3 11.5 7.4
Durable goods industries	208,065	203,698	202,461	2.1	0.6	0.2	226,157	188,147	182,103	207,098	596,407	555,035	7.5
Wood products	6,501 8,344 24,299 11,323 11,594 1,382 28,583 27,105 2,308 3,138	6,302 8,266 23,621 11,068 11,171 1,382 28,031 25,985 2,188 3,111	6,513 8,279 23,025 11,188 10,453 1,384 27,994 25,288 1,911 3,113	3.2 0.9 2.9 2.3 3.8 0.0 2.0 4.3 5.5	-3.2 -0.2 2.6 -1.1 6.9 -0.1 0.1 2.8 14.5 -0.1	-1.2 2.3 4.1 5.9 2.6 2.1 -0.1 -7.3 -11.3 6.3	6,543 8,469 26,324 12,293 12,528 1,503 30,069 30,559 2,799 3,462	5,552 6,971 22,441 10,430 10,722 1,289 25,600 24,236 2,336 2,858	5,416 6,983 21,661 10,460 9,931 1,270 25,312 22,894 1,686 2,740	6,778 8,144 21,113 10,049 9,753 1,311 28,200 27,032 2,261 2,383	17,511 22,423 70,426 33,183 33,181 4,062 80,981 77,689 6,821 9,060	18,207 21,461 55,904 26,232 26,335 3,337 76,440 69,138 6,015 5,792	-3.8 4.5 26.0 26.5 26.0 21.7 5.9 12.4 13.4 56.4
gas field machinery Industrial machinery Photographic equipment	1,332 3,501 811	1,302 3,292 790	1,361 2,742 810	2.3 6.3 2.7	-4.3 20.1 -2.5	-1.4 -14.6 13.4	1,530 4,089 877	1,240 2,754 687	1,365 2,600 646	1,767 3,108 820	4,135 9,443 2,210	4,685 7,758 2,098	-11.7 21.7 5.3
Ventilation, heating, air-conditioning, and refrigeration equipment Metalworking machinery Turbines, generators, and other	2,249 1,640	2,297 1,651	2,312 1,724	-2.1 -0.7	-0.6 -4.2	-2.9 -8.0	2,288 1,812	1,817 1,473	1,848 1,561	2,561 1,958	5,953 4,846	6,643 5,000	-10.4 -3.1
power transmission equipment	3,895 1,751 32,500 4,348 681 1,254	3,282 1,722 32,822 4,272 686 1,105	3,155 1,755 33,808 4,295 710 1,054	18.7 1.7 -1.0 1.8 -0.7 13.5	4.0 -1.9 -2.9 -0.5 -3.4 4.8	-27.6 0.8 1.9 0.2 -2.5 -9.8	4,178 2,040 34,059 4,313 892 1,598	3,233 1,671 28,944 3,511 485 770	3,075 1,613 31,693 4,127 560 677	3,414 1,782 33,168 4,310 884 1,325	10,486 5,324 94,696 11,951 1,937 3,045	8,132 4,712 91,971 11,284 1,914 2,701	28.9 13.0 3.0 5.9 1.2 12.7
Nondefense communications equipment Defense communications equipment Audio and video equipment Electronic components	2,545 509 444 3,820	2,757 484 450 3,848	2,903 512 439 3,870	-7.7 5.2 -1.3 -0.7	-5.0 -5.5 2.5 -0.6	-0.1 -6.6 -4.4 0.5	2,891 509 412 4,126	2,256 468 373 3,501	2,234 449 381 3,471	3,865 534 378 4,172	7,381 1,426 1,166 11,098	8,802 1,482 1,094 11,036	-16.1 -3.8 6.6 0.6
Nondefense search and navigation equipment	1,210	1,086	1,056	11.4	2.8	-3.6	1,440	1,045	906	1,284	3,391	3,204	5.8
Defense search and navigation	2,771	2,653	2,663	4.4	-0.4	-5.4	3,098	2,573	2,225	3,421	7,896	9,178	-14.0
equipment Electromedical, measuring, and control instruments	8,976	9,003	9,187	-0.3	-2.0	0.7	10,211	8,170	8,080	9,447	26,461	24,611	7.5
Electrical equipment, appliances, and components Electric lighting equipment	10,096 1,173	9,983 1,190	9,939 1,205	1.1 -1.4	0.4 -1.2	-0.9 1.7	10,951 1,221	9,126 1,148	8,708 1,094	10,006 1,204	28,785 3,463	26,407 3,372	9.0 2.7
Household appliances. Electrical equipment	1,697 3,312 749 51,146 6,346 6,719 1,574	1,667 3,259 747 49,488 5,914 6,718 1,545	1,630 3,238 739 48,440 5,684 6,318 1,483	1.8 1.6 0.3 3.4 7.3 0.0 1.9	2.3 0.6 1.1 2.2 4.0 6.3 4.2	1.5 -2.0 0.0 0.4 0.2 5.7 2.1	1,934 3,750 757 58,414 7,188 8,017 1,870	1,458 3,016 630 47,039 5,597 6,524 1,551	1,292 2,840 618 41,842 5,284 5,543 1,418	1,902 3,258 735 53,434 6,063 5,841 1,903	4,684 9,606 2,005 147,295 18,069 20,084 4,839	4,666 8,378 2,001 142,670 17,067 15,997 5,067	0.4 14.7 0.2 3.2 5.9 25.5 -4.5
and trailers	18,546 7,362 4,670 2,209 5,947 13,544	17,745 7,154 4,537 2,192 5,809 13,391	17,499 7,059 4,507 2,096 5,803 13,372	4.5 2.9 2.9 0.8 2.4 1.1	1.4 1.3 0.7 4.6 0.1 0.1	1.9 -5.9 -3.8 -2.0 2.3 3.4	20,391 9,132 5,278 2,437 6,113 14,656	17,092 6,383 4,205 2,225 5,635 12,603	16,124 5,174 3,482 1,850 5,381 12,213	17,491 8,442 6,225 2,570 5,593 13,630	53,607 20,689 12,965 6,512 17,129 39,472	48,572 19,401 16,362 6,698 15,944 36,893	10.4 6.6 -20.8 -2.8 7.4 7.0
Nondurable goods industries	253,384	245,736	244,399	3.1	0.5	3.0	261,103	224,505	226,883	230,202	712,491	631,035	12.9
Food products. Grain and oilseed milling	60,088 7,964 8,313 17,476 10,975 7,893 3,082 2,494 1,342 415 14,517 6,786 4,192 7,419 74,458 70,874 63,641	59,723 8,192 8,238 17,143 10,548 7,832 2,716 2,509 1,928 1,322 4,130 7,354 69,070 65,525 62,513	58,731 8,376 7,687 16,700 10,324 7,787 2,461 1,861 1,338 407 14,459 6,769 4,131 7,354 69,361 65,911 62,101	0.6 -2.8 0.9 1.9 4.0 0.8 13.5 -0.6 0.8 1.7 0.8 0.7 1.5 0.9 7.8 8.2 1.8	1.7 -2.2 7.2 2.7 2.2 0.6 7.1 2.0 3.6 -1.2 0.2 -0.4 -0.4 0.0 0.0 0.0 -0.4 -0.6 0.7	2.5 4.6 1.0 1.3 -1.3 -6.0 2.8 0.5 -0.4 -1.9 0.1 -0.2 -0.7 0.1 7.9 7.5 1.4	62,200 8,499 8,530 17,771 11,112 8,030 3,082 2,589 2,018 1,325 434 14,888 6,939 4,338 7,729 71,630 68,217 70,257	57,797 7,991 7,563 16,920 9,621 6,905 2,716 2,462 1,869 1,280 6,272 6,640 57,873 55,038 58,485	56,232 8,272 7,283 15,933 9,382 6,845 2,537 1,660 1,165 330 14,058 6,683 3,966 6,852 62,395 59,844 57,842	56,931 8,582 7,669 15,701 10,518 7,463 3,0055 2,419 1,937 1,292 421 14,530 6,745 4,141 7,458 54,179 51,274 64,266	176,229 24,762 23,376 50,624 30,115 21,780 8,335 7,405 5,547 3,770 1,197 42,396 19,894 12,128 21,221 191,898 183,099 186,584	28,514 20,154 8,360 6,824 5,448 3,671 1,187 40,691 19,007	9.0 1.6 9.2 11.9 5.6 8.1 -0.3 8.5 1.8 2.7 0.8 4.2 4.7 7.1 4.2 31.0 31.9 8.4
Pharmaceuticals and medicines Paints, coatings, and adhesives Plastics and rubber products	15,447 2,601 16,101	15,206 2,565 15,956	15,198 2,487 16,002		0.1 3.1 -0.3	-2.1 0.1 -0.5	16,289 2,779 16,921	13,966 2,332 14,595	14,238 2,087 14,613	16,207 2,798 16,251	7,198 46,129	44,963	-1.0 0.1 4.9

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

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

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

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

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

			easonally				rers' Shipments, Inventories, and Orders Survey.] Not Seasonally Adjusted							
		Monthly		Per	cent Chan	ige		Mon	thly		Y	ear to date		
Industry	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Feb Mar.	Jan Feb.	Dec Jan.	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Mar. 2010	2011 ^p	2010	Percent 2011/ 2010	
All manufacturing industries ²	462,914	449,387	446,417	3.0	0.7	3.3	494,762	413,236	412,703	436,921	1,320,701	1,184,405	11.5	
Excluding transportation ²	408,048	397,739	395,225	2.6	0.6	0.7	430,715	365,970	367,047	387,310	1,163,732	1,041,346	11.8	
Excluding defense ²	451.628	438,669	433,222	3.0	1.3	3.0	479.683	402.675	399.489	419.941	1,281,847	1,140,052	12.4	
With unfilled orders ²	159,260	154,602	153,776	3.0	0.5	4.7	178,412	143,403	143,394	156,869	465,209	419,560	10.9	
Durable goods industries ²	209,530	203,651	202,018	2.9	0.8	3.7	233,659	188,731	185,820	206,719	608,210	553,370	9.9	
Primary metals	24,598	23,602	23,375	4.2	1.0	2.9	26,818	22,256	23,286	21,324	72,360	58,338	24.0	
Iron and steel mills	11,535	10,898	11,358	5.8	-4.1	3.2	12,547	9,986	11,767	9,928	34,300	28,053	22.3	
Aluminum and nonferrous metals	11,594	11,252	10,596	3.0	6.2	2.6	12,704	10,891	10,137	10,082	33,732	26,808	25.8	
Ferrous metal foundries	1,469	1,452	1,421	1.2	2.2	3.3	1,567	1,379	1,382	1,314	4,328	3,477	24.5	
Fabricated metal products	28,807	29,169	28,387	-1.2	2.8	1.3	31,370	27,481	26,106	29,778	84,957	79,339	7.1	
Machinery	29,136	27,906	27,772	4.4	0.5	-12.8	33,238	26,215	27,411	29,470	86,864	73,080	18.9	
Construction machinery Mining, oil field, and	3,422	3,505	3,562	-2.4	-1.6		3,743	3,454	3,551	2,856	10,748	6,110	75.9	
gas field machinery	1,795	1,926	1,562	-6.8	23.3	11.2	1,948	1,839	1,467	1,758	5,254	4,459	17.8	
Industrial machinery	3,664	3,230	2,234	13.4	44.6	-43.4		2,645	2,779	3,324	9,545	8,536	11.8	
Photographic equipment	765	766	764	-0.1	0.3	41.5	818	698	730	810	2,246	2,159	4.0	
Ventilation, heating, air-conditioning,	2.608	2 020	2 220	7.0	1	-7.3	2 240	1 047	2 261	2 761	0 5 4 0	0 257	2.3	
and refrigeration equipment	2,608 . 1,839	2,828	3,338 1,946	-7.8 -18.6	-15.3 16.0	-7.3 -8.8	3,340 1,975	1,847	3,361 1,897	3,761	8,548	8,357	19.9	
Metalworking machinery Turbines, generators, and other	. 1,039	2,258	1,946	-10.0	16.0	-0.0	1,975	2,206	1,697	1,886	6,078	5,068	19.9	
power transmission equipment	4,364	3,050	3,527	43.1	-13.5	-37.4	4,666	3,006	3,454	3,444	11,126	7,810	42.5	
Material handling equipment	1,881	1,640	1,955	14.7	-16.1	-4.5	2,232	1,700	1,902	1,959	5,834	5,107	14.2	
Computers and electronic products ²	26,962	27,191	27,154	-0.8	0.1	-5.2	30,413	24,604	23,665	31,151	78,682	77,149	2.0	
Computers	4,477	4,004	4,070	11.8	-1.6			3,243	3,902	4,683	11,587	11,063	4.7	
Nondefense communications	1, 1, 7	1,001	1,070	11.0	1.0	3.0	1,112	3,213	3,302	1,003	11,507	11,003		
equipment	2,601	2,651	2,664	-1.9	-0.5	-19.6	2,581	2,461	1,988	3,091	7,030	8,346	-15.8	
Defense communications equipment	321	375	536	-14.4	-30.0	-16.6		364	547	977	1,477	2,064	-28.4	
Electronic components	3,849	3,743	3,777	2.8	-0.9	-4.1	4,078	3,544	3,508	4,218	11,130	11,736	-5.2	
Nondefense search and navigation														
equipment	885	1,180	1,161	-25.0	1.6	16.8	1,071	1,254	1,098	1,303	3,423	3,154	8.5	
Defense search and navigation														
equipment	2,503	3,142	2,757	-20.3	14.0	-24.3	3,165	3,417	2,227	3,824	8,809	8,878	-0.8	
Electromedical, measuring,	0.530	0.430	0.535					0.222	0 272	10.005	27.017	24070		
and control instruments	9,539	9,430	9,525	1.2	-1.0	5.1	11,221	8,323	8,373	10,005	27,917	24,970	11.8	
Electrical equipment, appliances,	10,756	10,391	10,190	3.5	2.0	-5.1	11,501	10,057	9,744	10,858	31,302	28,703	9.1	
and components Electric lighting equipment	1,159	1,113	1,268	3.3 4.1	-12.2	4.3	1,223	1.114	1,213	1.337	3,550	3.381	5.0	
Household appliances	1,772	1,743	1,521	1.7	14.6		1,223	1,631	1,353	1,857	4,924	4,826	2.0	
Electrical equipment	3,721	3,443	3,626	8.1	-5.0			3,394	3,542	3,572	11,002	9,554	15.2	
Transportation equipment	54,866	51,648	51,192	6.2	0.9	29.7	64,047	47,266	45,656	49,611	156,969	143,059	9.7	
Motor vehicle bodies, parts,	- 1,000	,	,	*			.,	,	,	,	,	,		
and trailers	18,561	17,839	17,448	4.0	2.2	1.2	20,121	17,271	16,268	17,123	53,660	48,270	11.2	
Nondefense aircraft and parts	10,876	10,780	7,978	0.9	35.1		13,325	8,080	4,979	4,609	26,384	18,271	44.4	
Defense aircraft and parts	4,758	4,476	5,334	6.3	-16.1	18.9	6,005	4,170	5,471	6,444	15,646	18,178	-13.9	
Ships and boats	2,774	1,061	3,707	161.5	-71.4	136.0	3,251	1,236	4,113	2,262	8,600	7,233	18.9	
Furniture and related products	6,150	5,867	5,778	4.8	1.5	1.2	6,738	5,808	5,334	5,949	17,880	16,652	7.4	
Nondurable goods industries	253,384	245,736	244,399	3.1	0.5	3.0	261,103	224,505	226,883	230,202	712,491	631,035	12.9	

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

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

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

restinates are shown in minons of	Seasonally Adjusted						pinenes, in		easonally Adj		
		Monthly		Pe	rcent Chan	ge		Mor	nthly		Percent
Industry	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Feb Mar.	Jan Feb.	Dec Jan.	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Mar. 2010	Change Mar. 11/10
All manufacturing industries ²	843,978	836,979	830,973	0.8	0.7	0.8	854,071	842,387	836,381	806,457	5.9
Excluding transportation ²	361,890	358,611	354,765	0.9	1.1	1.0	365,999	359,948	354,169	323,111	13.3
Excluding defense ²	687,657	680,734	674,565	1.0	0.9	0.5	693,253	684,086	678,181	648,679	6.9
Durable goods industries ²	843,978	836,979	830,973	0.8	0.7	0.8	854,071	842,387	836,381	806,457	5.9
Primary metals	22,428	22,129	22,148	1.4	-0.1	1.6	22,900	22,406	22,591	18,805	21.8
Iron and steel mills	13,426	13,214	13,384	1.6	-1.3	1.3	13,518	13,264	13,708	10,590	27.6
Aluminum and nonferrous metals	6,669	6,669	6,588	0.0	1.2	2.2	7,004	6,828	6,659	6,232	12.4
Ferrous metal foundries	2,333	2,246	2,176	3.9	3.2	1.7	2.378	2,314	2,224	1,983	19.9
Fabricated metal products	55,739	55,515	54,377	0.4	2.1	0.7	56,609	55,308		54,973	3.0
Machinery	117,303	115,272	113,351	1.8	1.7	2.2	118,312	115,633	113,654	91,108	29.9
Construction machinery		12,452	12,058	2.3	3.3	3.9	13,149	12,868	12,272	9,734	35.1
gas field machinery	9.113	8,650	8,026	5.4	7.8	2.6	9.024	8,606	8.007	5,838	54.6
Industrial machinery	- , -	13,968	14,030	1.2	-0.4	-3.5	14,258	14,226	- ,	11,769	21.1
Photographic equipment Ventilation, heating, air-conditioning,	2,093	2,139	2,163	-2.2	-1.1	-2.1	2,097	2,156		2,496	-16.0
and refrigeration equipment	25,613	25,254	24,723	1.4	2.1	4.3	25,581	24,529	24,499	20,022	27.8
Metalworking machinery Turbines, generators, and other	7,731	7,532	6,925	2.6	8.8	3.3	7,833	7,670		6,431	21.8
power transmission equipment	20,034	19,565	19,797	2.4	-1.2	1.9	20,154	19,666	19,893	12,491	61.3
Material handling equipment	8,514	8,384	8,466	1.6	-1.0	2.4	8,693	8,501	8,472	7,294	19.2
Computers and electronic products ²	124,911	124,915	124,493	0.0	0.3	0.0	126,480	125,944	124,862	122,123	3.6
Computers Nondefense communications	5,215	5,086	5,354	2.5	-5.0	-4.0	5,215	5,086	5,354	5,150	1.3
equipment	22,256	22,200	22,306	0.3	-0.5	-1.1	22,252	22,562	22,357	22,323	-0.3
Defense communications equipment	5,988	6,176	6,285	-3.0	-1.7	0.4	6,227	6.170	6,274	6,577	-5.3
Electronic components Nondefense search and navigation	11,558	11,529	11,634	0.3	-0.9	-0.8	11,574	11,622	11,579	11,393	1.6
equipment	7,884	8,209	8,115	-4.0	1.2	1.3	7,964	8,333	8,124	8,324	-4.3
equipment	41,098	41,366	40,877	-0.6	1.2	0.2	41,907	41,840	40,996	39,286	6.7
Electromedical, measuring, and control instruments	30,912	30,349	29,922	1.9	1.4	1.1	31,341	30,331	30,178	29,070	7.8
Electrical equipment, appliances,	20 471	27 011	27 402	2.4	1.5	0.9	20.670	20 120	27 180	22 207	22.5
and components	28,471	27,811	27,403	2.4	1.5		28,670	28,120		23,397	22.5
Electric lighting equipment		2,453	2,530	-0.6	-3.0	2.6	2,365	2,363	2,397	2,134	10.8
Household appliances	721	646	570	11.6	13.3	-16.1	786	780	607	550	42.9
Electrical equipment	18,123	17,714	17,530	2.3	1.0	2.3	18,089	17,773	17,395	14,736	22.8
Transportation equipment Motor vehicle bodies, parts,	482,088	478,368	476,208	0.8	0.5	0.6	488,072	482,439	482,212	483,346	1.0
and trailers	14,280	14,265	14,171	0.1	0.7	-0.4	14,505	14,775	14,596	14,346	1.1
Nondefense aircraft and parts		329,111	325,485	1.1	1.1	0.3	335,177	330,984	329,287	322,435	4.0
Defense aircraft and parts	49,527	49,439	49,500	0.2	-0.1	1.7	51,036	50,309		49,564	3.0
Ships and boats		14,312	15,443	3.9	-7.3	11.6		14,857	15,846	18,913	-17.1
Furniture and related products	6,991	6,788	6,730	3.0	0.9	-0.4	6,981	6,356	6,183	6,598	5.8

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

Seasonally Adjusted Not Seasona								Not Se	easonally Ad	justed	·
		Monthly		Pe	rcent Chan	ige		Mor	nthly		Percent
Industry	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Feb Mar.	Jan Feb.	Dec Jan.	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Mar. 2010	Change Mar. 11/10
All manufacturing industries	572,329	566,065	560,437	1.1	1.0	1.5	573,658	569,063	557,895	517,238	10.9
Excluding transportation	482,530 548,476	477,922 542,933	473,435 537,511	1.0 1.0	0.9 1.0	1.6 1.6	483,769 549,656	480,487 545,841	471,198 534,937	439,307 493,599	10.1 11.4
Excluding defense With unfilled orders	272,716	268,689	265,374	1.5	1.0	0.9	272,154	270,340		242,092	12.4
Durable goods industries	334,262	329,774	325,599	1.4	1.3	0.9	334,029	332,554	325,583	299,195	11.6
Wood products	9,140	9,098	8,910	0.5	2.1	1.0	9,281	9,333	9,018	8,975	3.4
Nonmetallic mineral products	11,471	11,416	11,348	0.5	0.6	0.5	11,756	11,675	11,352	11,569	1.6
Primary metals	33,887 20,299	33,424 19,907	32,721 19,378	1.4 2.0	2.1 2.7	2.4 3.1	33,438 19,845	33,164 19,628	32,514 19,212	28,192 16,204	18.6 22.5
Aluminum and nonferrous metals	11,659	11,624	11,510	0.3	1.0	1.6	11,627	11,582	11,450	10,243	13.5
Ferrous metal foundries Fabricated metal products	1,929 43,885	1,893 43,406	1,833 42,999	1.9 1.1	3.3 0.9	0.3 1.1	1,966 44,196	1,954 43,743	1,852 43,087	1,745 40,825	12.7 8.3
Machinery	55,025	54,279	53,636	1.4	1.2	1.3	55,540	55,323	53,889	49,869	11.4
Farm machinery Construction machinery	2,898 5,900	2,868 5,735	2,839 5,615	1.0 2.9	1.0 2.1	4.3 -1.6	3,168 6,013	3,150 5,837	2,985 5,569	2,527 4,728	25.4 27.2
Mining, oil field,							-				
and gas field machineryIndustrial machinery	6,399 7,105	6,186 7,066	5,987 7,008	3.4 0.6	3.3 0.8	0.6 0.3	6,404 7,164	6,166 7,127	5,941 6,866	5,674 6,507	12.9 10.1
Photographic equipment	1,628	1,620	1,664	0.5	-2.6	4.2	1,587	1,648		1,453	9.2
Ventilation, heating, air-conditioning, and refrigeration equipment	3,449	3,411	3,357	1.1	1.6	-0.5	3,483	3,427	3,297	3,484	0.0
Metalworking machinery	4,097	4,083	4,054	0.3	0.7	0.9	4,104	4,093		3,882	5.7
Turbines, generators, and other power transmission equipment	7,082	6,938	6,854	2.1	1.2	5.7	6,922	7,136	6,972	5,750	20.4
Material handling equipment	3,118	3,100	3,080	0.6	0.6	-0.6	3,132	3,141	3,129	2,939	6.6
Computers and electronic products ²	47,680	46,811	46,126	1.9	1.5	0.2	46,860	47,360	46,228	42,445	10.4
Computers Computer storage devices	1,970 1,077	2,027 1,082	2,037 1,079	-2.8 -0.5	-0.5 0.3	2.5 1.9	1,918 1,007	2,062 1,101	1,926 1,049	2,032 950	-5.6 6.0
Other peripheral equipment	1,440	1,445	1,428	-0.3	1.2	0.9	1,392	1,468	1,378	1,387	0.4
Nondefense communications equipment	6,192	5,960	5,769	3.9	3.3	-3.9	6,064	6,136	5,908	5,261	15.3
Defense communications equipment	2,236	2,173	2,152	2.9	1.0	-3.1	2,236	2,173	2,152	2,050	9.1
Audio and video equipment Electronic components	369 8,269	366 8,146	356 8,098	0.8 1.5	2.8 0.6	1.4 1.8	334 8,029	345 8,191	350 8,235	363 6,806	-8.0 18.0
Nondefense search and navigation		0,140	0,030			1.0	0,023	0,131	0,233	0,000	
equipment Defense search and navigation	4,023	3,947	3,882	1.9	1.7	1.4	3,998	3,895	3,859	3,711	7.7
equipment	3,531	3,465	3,407	1.9	1.7	2.2	3,538	3,497	3,392	3,641	-2.8
Electromedical, measuring and control instruments	12,518	12,367	12,282	1.2	0.7	0.7	12,403	12,620	12,361	11,359	9.2
Electrical equipment, appliances,	12,310	12,307	12,202	1.2	0.7		12,403	12,020	12,301	11,555	3.2
and components Electric lighting equipment		15,011 1,632	14,819 1,642	0.3 -0.5	1.3 -0.6	0.3 0.2	15,069 1,622	15,178 1,630	14,807 1,635	13,737 1,563	9.7 3.8
Household appliances	2,716	2,694	2,721	0.8	-1.0	-0.4	2,646	2,713	2,692	2,171	21.9
Electrical equipment	4,612 1,034	4,666 1,039	4,538 1,018	-1.2 -0.5	2.8 2.1	-1.8 2.0	4,676	4,840 1,019	4,636 979	4,381 952	6.7 8.3
Transportation equipment		88,143	87,002	1.9	1.3	0.8	1,031 89,889	88,576	86,697	77,931	15.3
Automobiles	1,832	1,853	1,704	-1.1	8.7	-7.4	1,825	1,983	1,835	1,518	20.2
Light trucks and utility vehicles Heavy duty trucks	2,222 1,355	2,261 1,340	2,210 1,325	-1.7 1.1	2.3 1.1	12.2 1.7	2,282 1,319	2,264 1,335	2,014 1,324	1,849 1,282	23.4 2.9
Motor vehicle bodies, parts,	16.706			0.1	0.7	0.4	16.020		16.044	15.200	10.2
and trailers Nondefense aircraft and parts	16,796 44,406	16,780 43,181	16,665 42,571	0.1 2.8	0.7 1.4	0.4 1.4	16,930 44,351	17,111 43,021	16,944 42,071	15,369 34,691	10.2 27.8
Defense aircraft and parts	12,435	12,021	12,006	3.4	0.1	0.0	12,393	11,975	11,937	12,204	1.5
Ships and boats Furniture and related products	3,998 6,658	3,941 6,644	3,786 6,622	1.4 0.2	4.1 0.3	0.3 0.8	4,164 6,574	4,070 6,597	3,837 6,620	3,486 5,917	19.4 11.1
Miscellaneous durable goods	21,661	21,542	21,416	0.6	0.6	0.6	21,426	21,605	21,371	19,735	8.6
Nondurable goods industries	238,067	236,291	234,838	0.8	0.6	2.3	239,629	236,509	232,312	218,043	9.9
Food products	43,457	43,079	42,910	0.9	0.4	1.3	42,680	43,040	43,072	39,516	8.0
Grain and oilseed milling Dairy products	5,559 5,791	5,729 5,623	5,970 5,466	-3.0 3.0	-4.0 2.9	3.2 1.3	5,529 5,758	5,867 5,542	6,215 5,324	5,288 5,262	4.6 9.4
Meat, poultry, and seafood products	8,998	8,981	8,890	0.2	1.0	2.6	8,975	9,050	8,842	7,796	15.1
Beverage and tobacco products Beverages	15,778 12,254	15,811 12,233	15,857 12,242	-0.2 0.2	-0.3 -0.1	0.7 0.7	15,993 12,376	16,197 12,413	16,153 12,351	15,925 12,072	0.4 2.5
Tobacco	3,524	3,578	3,615	-1.5	-1.0	0.7	3,617	3,784	3,802	3,853	-6.1
Textile mills	3,400	3,386	3,351	0.4	1.0	2.0	3,419	3,432	3,399	3,005	13.8
Textile products	3,178 2,940	3,167 2,891	3,144 2,870	0.3 1.7	0.7 0.7	2.9 1.9	3,154 2,813	3,177 2,836	3,171 2,859	2,807 2,305	12.4 22.0
Leather and allied products	997	981	965	1.6	1.7	1.7	981	985	995	841	16.6
Paper products Pulp, paper, and paperboard mills	14,441 5,964	14,393 5,928	14,323 5,888	0.3 0.6	0.5 0.7	0.1 0.5	14,487 5,999	14,534 6,010	14,364 5,937	13,894 5,785	4.3 3.7
Paperboard containers	4,124	4,107	4,058	0.4	1.2	0.5	4,139	4,165	4,091	3,832	8.0
Printing Petroleum and coal products	5,596 55,109	5,638 53,902	5,653 53,240	-0.7 2.2	-0.3 1.2	1.1 4.7	5,561 56,597	5,648 52,315	5,514 50,361	5,326 45,737	4.4 23.7
Petroleum refineries	52,265	51,031	50,317	2.4	1.4	4.8	53,715	49,428	47,466	43,151	24.5
Chemical products Pesticides, fertilizers, and other	72,972	72,928	72,634	0.1	0.4	2.2	73,433	73,940	72,477	69,440	5.8
agricultural chemicals	4,371	4,365	4,339	0.1	0.6	6.6	4,913	5,079	4,780	4,714	4.2
Pharmaceuticals and medicines	24,370 3,517	24,888 3,489	24,758 3,486	-2.1 0.8	0.5 0.1	-0.3 0.5	24,237 3,623	24,917 3,605	24,374 3,490	24,659 3,246	-1.7 11.6
Paints, coatings, and adhesives				0.0	U. 1	1.6	3,023	5,005	2,130	٥,٢،٥	11.0

Preliminary 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 changes.

² Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable agregates totals, but are not shown separately. See note at end of Table 2 relating to survey error and revision.

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

lestimates are snown in millions of	of dollars and are based on data from the Man Seasonally Adjusted					uracture	rs snipr			Adjusted	ers survey	.]	
		Monthly		Per	cent Cha	ange		Mor	nthly		Year t	o date	Percent
Industry	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Feb Mar.	Jan Feb.	Dec Jan.	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Mar. 2010	2011 ^p	2010	Change ⁶ 2011/ 2010
SHIPMENTS													
All manufacturing industries	461,449	449,434	446,860	2.7	0.6	1.7	487,260	412,652	408,986	437,300	1,308,898	1,186,070	10.4
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	41,395 27,122	40,699 26,831 6,063 31,922	40,829 27,217 6,059 30,984	1.7 1.1 3.6 4.0	-1.4 0.1	1.5 -1.1 -2.0 2.3	42,317 29,917 6,803 37,466	35,523 23,582 4,766 30,764	34,783 23,553 5,364 28,369	41,044 29,638 6,519 31,298	112,623 77,052 16,933 96,599	109,616 75,587 15,899 86,703	2.7 1.9 6.5 11.4
Capital goods Nondefense capital goods ³ Excluding aircraft Defense capital goods ⁴	67,323 63,234	74,343 65,857 61,793 8,486	73,573 65,331 61,486 8,242	2.5 2.2 2.3 4.9	0.8 0.5	-3.3 -2.5	85,233 75,343 70,107 9,890	68,298 59,946 56,391 8,352	64,314 57,515 55,233 6,799	69,534 64,403	217,845 192,804 181,731 25,041	210,305 177,454 166,386 32,851	3.6 8.7 9.2 -23.8
Consumer goods Consumer durable goods Consumer nondurable goods	26,543	192,155 25,900 166,255	24,990	3.7 2.5 3.9	3.6		30,222	175,795 24,928 150,867	176,570 22,291 154,279	176,223 25,989 150,234	556,264 77,441 478,823	487,417 70,343 417,074	14.1 10.1 14.8
NEW ORDERS													
All manufacturing industries ⁵	462,914	449,387	446,417	3.0	0.7	3.3	494,762	413,236	412,703	436,921	1,320,701	1,184,405	11.5
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	6,412	41,622 27,559 5,795 32,016	42,422 27,177 5,834 30,933	0.4 -1.2 10.6 3.7	1.4 -0.7	-4.2	43,943 30,668 6,932 37,196	36,292 25,046 4,498 30,943	37,010 23,905 5,139 28,513	31,100 6,892	117,245 79,619 16,569 96,652	112,248 76,513 15,678 86,401	4.5 4.1 5.7 11.9
Capital goods Nondefense capital goods ³ Excluding aircraft Defense capital goods ⁴	73,787 66,029	79,600 71,205 63,403 8,395	78,563 67,454 62,850 11,109	4.0 3.6 4.1 7.6	5.6 0.9		95,058 82,902 73,397 12,156	72,930 64,434 59,407 8,496	71,534 60,355 58,769 11,179	68,022 66,600	239,522 207,691 191,573 31,831	216,450 180,659 170,560 35,791	10.7 15.0 12.3 -11.1
Consumer goods Consumer durable goods Consumer nondurable goods	26,518	25,923	24,832	3.7 2.3 3.9	4.4	3.1 0.5 3.5	203,917 30,240 173,677	25,155	176,663 22,384 154,279	176,343 26,109 150,234	556,602 77,779 478,823	488,520 71,446 417,074	13.9 8.9 14.8
UNFILLED ORDERS													
All manufacturing industries ⁵	843,978	836,979	830,973	0.8	0.7	0.8	854,071	842,387	836,381	806,457	(X)	(X)	5.9
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	5,215	59,076 122,523 5,086 14,265	58,153 121,795 5,354 14,171	0.7 0.1 2.5 0.1	0.6	0.0	5,215	5,086	57,296 122,218 5,354 14,596	5,150	(X) (X) (X) (X)	(X) (X) (X) (X)	12.9 4.4 1.3 1.1
Capital goods Nondefense capital goods ³ Excluding aircraft Defense capital goods ⁴	514,198 213,585	507,734	502,386	1.0 1.3 1.3 0.1	1.1	0.4	518,061 215,480	510,502	506,014 209,174		(X) (X) (X) (X)	(X) (X) (X) (X)	5.9 7.2 12.8 1.6
Consumer goodsConsumer durable goods		8,844 8,844	8,821 8,821	-0.3 -0.3		-1.8 -1.8	9,053 9,053	9,035 9,035	8,808 8,808	9,120 9,120	(X) (X)	(X) (X)	-0.7 -0.7
TOTAL INVENTORIES													
All manufacturing industries	572,329	566,065	560,437	1.1	1.0	1.5	573,658	569,063	557,895	517,238	(X)	(X)	10.9
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	56,643 40,426 4,487 22,205	56,224 39,790 4,554 22,234	39,310 4,544	0.7 1.6 -1.5 -0.1	1.2 0.2	0.4 1.9	39,923 4,317	57,001 40,268 4,631 22,693	39,278 4,353	37,183 4,369	(X) (X) (X) (X)	(X) (X) (X) (X)	4.8 7.4 -1.2 11.7
Capital goods Nondefense capital goods ³ Excluding aircraft Defense capital goods ⁴	161,273 142,964 107,065 18,309		138,621	2.0 1.8 1.2 3.6	1.3 1.2	1.1 0.8	142,862 106,898	141,705 107,260	155,697 138,091 104,452 17,606	123,832 97,285	(X) (X) (X) (X)	(X) (X) (X) (X)	13.5 15.4 9.9 0.9
Consumer goods Consumer durable goods Consumer nondurable goods	178,839 24,190	177,652 24,210 153,442	176,402 24,006	0.7 -0.1 0.8	0.7 0.8	1.9	179,240 23,983	176,941 24,654	173,984 24,274 149,710	161,779 21,325	(X) (X) (X)	(X) (X) (X)	10.8 12.5 10.5

X Not Applicable

^p Preliminary

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

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

² Topical series are regroupings of the separate industry categories.

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

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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

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

		9	Seasonally A	djusted				Not Se	asonally Adj	usted	
		Monthly		Pe	rcent Chan	ige		Mon	thly		Percent
Industry	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Feb Mar.	Jan Feb.	Dec Jan.	Mar. 2011 ^p	Feb. 2011 ^r	Jan. 2011	Mar. 2010	Change Mar. 11/10
MATERIALS AND SUPPLIES											
All manufacturing industries	. 190,795	189,859	187,844	0.5	1.1	1.6	191,079	190,909	188,136	175,689	8.8
Durable goods industries	111,122	110,455	109,631	0.6	0.8	0.9	110,621	111,060	110,111	102,403	8.0
Wood products Nonmetallic mineral products	3,355 4,682	3,322 4,634	3,198 4,590	1.0 1.0	3.9 1.0	-0.7 3.4	3,300 4,713	3,415 4,660	3,322 4,573	3,121 4,636	5.7 1.7
Primary metals	13,476	12,981	12,719	3.8	2.1	1.6	12,993	12,632	12,661	10,705	21.4
Fabricated metal products Machinery	16,187 21,597	16,159 21,379	16,170 21,169	0.2 1.0	-0.1 1.0	1.4 2.2	16,246 21,649	16,246 21,488	16,324 21.329	15,040 19,238	8.0 12.5
Computers and electronic products	16,371	16,101	15,907	1.7	1.2	1.2	16,101	16,167	15,988	14,051	14.6
Electrical equipment, appliances, and components	5,700	5,658	5,572	0.7	1.5	-1.5	5,776	5,685	5,579	5,506	4.9
Transportation equipment	19,497	19,948	20,091	-2.3	-0.7	-0.7	19,641	20,460	20,072	20,580	-4.6
Furniture and related products Miscellaneous products	3,201 7,056	3,219 7,054	3,225 6,990	-0.6 0.0	-0.2 0.9	1.0 -0.5	3,203 6,999	3,228 7,079	3,238 7,025	2,905 6,621	10.3 5.7
Nondurable goods industries	79,673	79,404	78,213	0.3	1.5	2.6	80,458	79,849	78,025	73,286	9.8
Food products	14,528	14,622	14,472	-0.6	1.0	-1.1	14,511	14,788	14,928	13,951	4.0
Beverage and tobacco products Textiles	4,116 1,258	4,172 1,254	4,175 1,245	-1.3 0.3	-0.1 0.7	0.0 3.2	4,201 1,264	4,321 1,261	4,344 1,252	4,397 1,111	-4.5 13.8
Textile products	1,292	1,305	1,285	-1.0	1.6	3.5	1,273	1,293	1,280	1,124	13.3
Apparel Leather and allied products	878 378	845 368	816 357	3.9 2.7	3.6 3.1	3.8 0.6	867 370	836 367	81 <i>7</i> 361	603 311	43.8 19.0
Paper products	7,150 2,452	7,110 2,491	7,033 2,491	0.6 -1.6	1.1 0.0	0.6 1.5	7,161 2,440	7,144 2,481	7,076 2,443	6,848 2,263	4.6 7.8
Printing Petroleum and coal products	15,319	15,140	14,786	1.2	2.4	9.3	15,846	14,764	13,859	12,721	24.6
Chemical products Plastics and rubber products	23,588 8,714	23,438 8,659	23,051 8,502	0.6 0.6	1.7 1.8	2.0 2.6	23,765 8,760	23,853 8,741	23,112 8,553	22,034 7,923	7.9 10.6
WORK IN PROCESS	0,714	8,039	0,302	0.0	1.0	2.0	8,700	0,741	0,333	7,923	10.0
	176 021	172.012	171 207	1.7	1.0	1.2	176 690	172 010	170 447	155 101	13.9
All manufacturing industries	176,021	173,013	171,307	1.7			176,680	173,818	170,447	155,101	
Durable goods industries Wood products	126,255 1,753	123,354 1,744	121,652 1,716	2.4 0.5	1.4 1.6	0.9 0.9	125,815 1,756	123,874 1,727	121,466 1,689	108,592 1,679	15.9 4.6
Nonmetallic mineral products	1,292	1,290	1,338	0.2	-3.6	-1.5	1,362	1,337	1,323	1,384	-1.6
Primary metals Fabricated metal products	9,650 12,281	9,666 12,081	9,489 11,955	-0.2 1.7	1.9 1.1	2.7 2.0	9,482 12,227	9,607 12,098	9,351 11,939	8,274 11,206	14.6 9.1
Machinery	14,730 20,861	14,595 20,194	14,467 19,842	0.9	0.9 1.8	0.6 -1.7	14,735 20,594	14,800 20,462	14,309 19,897	13,848 19,048	6.4 8.1
Computers and electronic products Electrical equipment, appliances,	20,661	20,194	19,042	3.3	1.0		20,394	20,462	19,097	19,046	0.1
and components Transportation equipment	3,476 57,778	3,450 55,889	3,420 54,982	0.8 3.4	0.9 1.6	2.6 1.4	3,497 57,763	3,499 55,882	3,426 55,144	3,042 46,064	15.0 25.4
Furniture and related products	1,082	1,057	1,035	2.4	2.1	1.3	1,083	1,060	1,039	994	9.0
Miscellaneous products	3,352	3,388	3,408	-1.1	-0.6	0.5	3,316	3,402	3,349	3,053	8.6
Nondurable goods industries Food products	49,766 3,793	49,659 3,833	49,655 3,768	0.2 -1.0	0.0 1.7	1.8 -1.6	50,865 3,728	49,944 3,967	48,981 4,037	46,509 3,496	9.4 6.6
Beverage and tobacco products	5,750	5,747	5,779	0.1	-0.6	0.3	5,845	5,972	6,062	5,842	0.1
Textiles Textile products	739 556	730 544	715 547	1.2 2.2	2.1 -0.5	1.4 5.2	739 556	732 549	724 551	652 482	13.3 15.4
Apparel	364	373	358	-2.4	4.2	3.5	347	363	350	312	11.2
Leather and allied products Paper products	81 1,412	81 1,406	77 1,398	0.0 0.4	5.2 0.6	-2.5 2.7	84 1,407	86 1,411	83 1,407	75 1,328	12.0 5.9
Printing	1,291	1,297	1,301	-0.5	-0.3	-0.2	1,287	1,364	1,281	1,347	-4.5
Petroleum and coal products Chemical products	17,304 16,089	17,208 16,071	17,132 16,193	0.6 0.1	0.4 -0.8	3.4 1.2	18,469 15,966	17,057 16,012	15,970 16,094	14,586 16,201	26.6 -1.5
Plastics and rubber products	2,387	2,369	2,387	0.8	-0.8	4.4	2,437	2,431	2,422	2,188	11.4
FINISHED GOODS											
All manufacturing industries	205,513	203,193	201,286	1.1	0.9	1.7	205,899	204,336	199,312	186,448	10.4
Durable goods industries Wood products	96,885 4,032	95,965 4,032	94,316 3,996	1.0 0.0	1.7 0.9	1.1 2.5	97,593 4,225	97,620 4,191	94,006 4,007	88,200 4,175	10.6 1.2
Nonmetallic mineral products	5,497	5,492	5,420	0.0	1.3	-1.3	5,681	5,678	5,456	5,549	2.4
Primary metals Fabricated metal products	10,761 15,417	10,777 15,166	10,513 14,874	-0.1 1.7	2.5 2.0	3.1 0.0	10,963 15,723	10,925 15,399	10,502 14,824	9,213 14,579	19.0 7.8
Machinery	18,698	18,305	18,000	2.1	1.7	0.9	19,156	19,035	18,251	16,783	14.1
Computers and electronic products Electrical equipment, appliances,	10,448	10,516	10,377	-0.6	1.3	2.3	10,165	10,731	10,343	9,346	8.8
and components	5,880	5,903	5,827	-0.4	1.3	0.7	5,796	5,994	5,802	5,189	11.7
Transportation equipment Furniture and related products	12,524 2,375	12,306 2,368	11,929 2,362	1.8 0.3	3.2 0.3	0.8 0.3	12,485 2,288	12,234 2,309	11,481 2,343	11,287 2,018	10.6 13.4
Miscellaneous products	11,253	11,100	11,018	1.4	0.7	1.3	11,111	11,124	10,997	10,061	10.4
Nondurable goods industries		107,228	106,970	1.3	0.2	2.3	108,306	106,716	105,306	98,248	10.2
Food products Beverage and tobacco products	25,136 5,912	24,624 5,892	24,670 5,903	2.1 0.3	-0.2 -0.2	3.2 1.6	24,441 5,947	24,285 5,904	24,107 5,747	22,069 5,686	10.7 4.6
Textiles	1,403	1,402	1,391	0.1	0.8	1.2	1,416	1,439	1,423	1,242	14.0
Textile products Apparel	1,330 1,698	1,318 1,673	1,312 1,696	0.9 1.5	0.5 -1.4	1.4 0.7	1,325 1,599	1,335 1,637	1,340 1,692	1,201 1,390	10.3 15.0
Leather and allied products	538	532	531	1.1	0.2	3.1	527	532	551	455	15.8
Paper products Printing	5,879 1,853	5,877 1,850	5,892 1,861	0.0 0.2	-0.3 -0.6	-1.0 1.6	5,919 1,834	5,979 1,803	5,881 1,790	5,718 1,716	3.5 6.9
Petroleum and coal products	22,486	21,554 33,419	21,322	4.3	1.1	2.7 2.9	22,282	20,494 34,075	20,532	18,430	20.9 8.0
Plastics and rubber products	33,295 9,098	9,087	33,390 9,002	-0.4 0.1	0.1 0.9	0.0	33,702 9,314	9,233	33,271 8,972	31,205 9,136	1.9

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 Group³

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

-	Inven	tory/Shi	pments r	atio	Unfilled	Orders/	Shipmen	ts ratio ¹
Industry	Mar 2011 ^p	Feb 2011 ^r	Jan 2011	Dec 2010	Mar 2011 ^p	Feb 2011 ^r	Jan 2011	Dec 2010
All manufacturing industries ²	1.24	1.26	1.25	1.26	(X)	(X)	(X)	(X)
Durable goods industries ²	1.61 1.41 1.37 1.39 1.54 2.03 1.47 1.49 1.76 1.12	1.62 1.44 1.38 1.42 1.55 2.09 1.43 1.50 1.78 1.14	1.61 1.37 1.37 1.42 1.54 2.12 1.36 1.49 1.80 1.14	1.60 1.34 1.39 1.44 1.52 1.94 1.39 1.47 1.79	5.54 (X) (X) 0.92 2.01 4.88 5.17 3.05 13.21 1.36	5.63 (X) (X) 0.94 2.04 4.99 5.18 3.01 13.55 1.35	5.63 (X) (X) 0.96 2.01 5.00 5.08 2.98 13.62 1.33	5.55 (X) (X) 0.99 1.99 4.54 5.06 2.92 13.48 1.37
Miscellaneous products	1.60 0.94 0.72 1.44 1.36 1.63 2.21 2.40 0.99 0.75 0.74	1.61 0.96 0.72 1.50 1.35 1.64 2.19 2.40 1.00 0.77 0.78	1.60 0.96 0.73 1.54 1.36 1.69 2.14 2.37 0.99 0.77	1.65 0.97 0.74 1.51 1.37 1.65 2.10 2.29 0.99 0.76 0.79	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	(X)
Chemical productsPlastics and rubber products	1.15 1.25	1.17 1.26	1.17 1.24	1.16 1.22	(X) (X)	(X) (X)	(X) (X)	(X) (X)

X Not Applicable Pre

^p Preliminary

Revised data due to late receipts and concurrent seasonal adjustment.

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

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

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

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

Table 8. Revisions to Previously Published Monthly Percent Changes³

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

, ,	Shipments		New C	Orders	Unfilled	Orders	Inven	tories
Industry	Mar ¹ 2011	Mar ² 2010- Feb 2011	Mar ¹ 2011	Mar ² 2010- Feb 2011	Mar ¹ 2011	Mar ² 2010- Feb 2011	Mar ¹ 2011	Mar ² 2010- Feb 2011
All manufacturing industries	(X)	0.3	(X)	0.5	(X)	0.1	(X)	0.2
Durable goods industries	0.3 (X) (X) 0.3 1.1 0.0 0.2 0.2 0.1 (X) (X)	0.4 0.8 0.3 0.8 0.5 0.8 0.9 0.6 0.6 0.4 0.4	0.4 (X) (X) 0.3 1.1 0.2 0.3 0.4 0.3 (X) (X)	0.7 (NA) (NA) 2.0 0.7 2.2 0.9 1.4 1.2 1.1	0.0 (X) (X) 0.0 0.0 0.2 0.0 0.1 0.0 (X) (X)	0.1 (NA) (NA) 1.6 0.2 0.5 0.2 0.5 0.1 0.7	0.1 (X) (X) 0.0 0.3 0.2 0.2 0.2 0.0 (X) (X)	0.2 0.4 0.2 0.4 0.2 0.3 0.4 0.3 0.4 0.2
Nondurable goods industries Food products Beverage and tobacco products Textiles Textile products Apparel. Leather and allied products Paper products Printing Petroleum and coal products Chemical products Plastics and rubber products	888888888888888888888888888888888888888	0.4 0.3 0.4 0.6 0.4 1.1 0.7 0.3 0.8 0.5 0.7	888888888888888888888888888888888888888	(A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	(A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	0.3 0.2 0.3 0.6 0.4 0.6 0.5 0.2 0.6 1.0 0.2

X Not Applicable

NA Not Available

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

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

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

Survey Description

Inis report is complied from results of the U.S. Census Bureau's Manufacturers' Snipments, 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 59 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

an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 4,300 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month's

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

Benchmark Notice

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued on

May 13, 2011. These revisions reflect:

- o benchmarking the shipments and inventory data to the 2009 Annual Survey of Manufactures (ASM) data;
- o incorporating the unfilled orders to shipments ratios obtained from the 2008/2009 Manufacturers' Unfilled Orders Survey by applying these ratios to the respective ASM shipments data;
- o adjusting new orders to be consistent with the benchmarked shipments and unfilled orders data;
- o correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data; and
- o updating the seasonal adjustment factors for all series.