

U.S. Census Bureau News

U.S. Department of Commerce • Washington, D.C. 202

FOR IMMEDIATE RELEASE

TUESDAY, MAY 3, 2011, AT 10:00 A.M. EDT

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

M3-2 (11)-03
CB11-80

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

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Mar. 2011 ^P	Feb. 2011 ^f	Jan. 2011	Feb. - Mar.	Jan. - Feb.	Dec. - Jan.	Mar. 2011 ^P	Feb. 2011 ^f	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.....	3,422	3,505	3,562	-2.4	-1.6	-1.4	3,743	3,454	3,551	2,856	10,748	6,110	75.9
Mining, oil field, and 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	4,121	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, and refrigeration equipment.....	2,608	2,828	3,338	-7.8	-15.3	-7.3	3,340	1,847	3,361	3,761	8,548	8,357	2.3
Metalworking machinery.....	1,839	2,258	1,946	-18.6	16.0	-8.8	1,975	2,206	1,897	1,886	6,078	5,068	19.9
Turbines, generators, and other 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	-3.6	4,442	3,243	3,902	4,683	11,587	11,063	4.7
Nondefense communications 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	566	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, 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, and components.....	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
Electric lighting equipment.....	1,159	1,113	1,268	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	-13.2	1,940	1,631	1,353	1,857	4,924	4,826	2.0
Electrical equipment.....	3,721	3,443	3,626	8.1	-5.0	-6.9	4,066	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, 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	5,558.2	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

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

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

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

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

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

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				Percent Change Mar. 11/10
	Monthly			Percent Change			Monthly				
	Mar. 2011 ^P	Feb. 2011 ^r	Jan. 2011	Feb. - Mar.	Jan. - Feb.	Dec. - Jan.	Mar. 2011 ^P	Feb. 2011 ^r	Jan. 2011	Mar. 2010	
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	53,427	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.....	12,736	12,452	12,058	2.3	3.3	3.9	13,149	12,868	12,272	9,734	35.1
Mining, oil field, and 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.....	14,131	13,968	14,030	1.2	-0.4	-3.5	14,258	14,226	14,335	11,769	21.1
Photographic equipment.....	2,093	2,139	2,163	-2.2	-1.1	-2.1	2,097	2,156	2,145	2,496	-16.0
Ventilation, heating, air-conditioning, 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.....	7,731	7,532	6,925	2.6	8.8	3.3	7,833	7,670	6,937	6,431	21.8
Turbines, generators, and other 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.....	5,215	5,086	5,354	2.5	-5.0	-4.0	5,215	5,086	5,354	5,150	1.3
Nondefense communications 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.....	11,558	11,529	11,634	0.3	-0.9	-0.8	11,574	11,622	11,579	11,393	1.6
Nondefense search and navigation equipment.....	7,884	8,209	8,115	-4.0	1.2	1.3	7,964	8,333	8,124	8,324	-4.3
Defense search and navigation 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, and components.....	28,471	27,811	27,403	2.4	1.5	0.9	28,670	28,120	27,189	23,397	22.5
Electric lighting equipment.....	2,439	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.....	482,088	478,368	476,208	0.8	0.5	0.6	488,072	482,439	482,212	483,346	1.0
Motor vehicle bodies, parts, 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.....	332,625	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	50,344	49,564	3.0
Ships and boats.....	14,877	14,312	15,443	3.9	-7.3	11.6	15,671	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

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

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

² Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data. See note at end of Table 2 relating to survey error and revision.

Table 4. Value of Manufacturers' Inventories for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				Percent Change Mar. 11/10
	Monthly			Percent Change			Monthly				
	Mar. 2011 ^P	Feb. 2011 ^F	Jan. 2011	Feb. - Mar.	Jan. - Feb.	Dec. - Jan.	Mar. 2011 ^P	Feb. 2011 ^F	Jan. 2011	Mar. 2010	
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	477,922	473,435	1.0	0.9	1.6	483,769	480,487	471,198	439,307	10.1
Excluding defense.....	548,476	542,933	537,511	1.0	1.0	1.6	549,656	545,841	534,937	493,599	11.4
With unfilled orders.....	272,716	268,689	265,374	1.5	1.2	0.9	272,154	270,340	265,273	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	33,424	32,721	1.4	2.1	2.4	33,438	33,164	32,514	28,192	18.6
Iron and steel mills.....	20,299	19,907	19,378	2.0	2.7	3.1	19,845	19,628	19,212	16,204	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.....	1,929	1,893	1,833	1.9	3.3	0.3	1,966	1,954	1,852	1,745	12.7
Fabricated metal products.....	43,885	43,406	42,999	1.1	0.9	1.1	44,196	43,743	43,087	40,825	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.....	2,898	2,868	2,839	1.0	1.0	4.3	3,168	3,150	2,985	2,527	25.4
Construction machinery.....	5,900	5,735	5,615	2.9	2.1	-1.6	6,013	5,837	5,569	4,728	27.2
Mining, oil field, and gas field machinery.....	6,399	6,186	5,987	3.4	3.3	0.6	6,404	6,166	5,941	5,674	12.9
Industrial machinery.....	7,105	7,066	7,008	0.6	0.8	0.3	7,164	7,127	6,866	6,507	10.1
Photographic equipment.....	1,628	1,620	1,664	0.5	-2.6	4.2	1,587	1,648	1,691	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	4,003	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.....	1,970	2,027	2,037	-2.8	-0.5	2.5	1,918	2,062	1,926	2,032	-5.6
Computer storage devices.....	1,077	1,082	1,079	-0.5	0.3	1.9	1,007	1,101	1,049	950	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.....	369	366	356	0.8	2.8	1.4	334	345	350	363	-8.0
Electronic components.....	8,269	8,146	8,098	1.5	0.6	1.8	8,029	8,191	8,235	6,806	18.0
Nondefense search and navigation equipment.....	4,023	3,947	3,882	1.9	1.7	1.4	3,998	3,895	3,859	3,711	7.7
Defense search and navigation 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, and components.....	15,056	15,011	14,819	0.3	1.3	0.3	15,069	15,178	14,807	13,737	9.7
Electric lighting equipment.....	1,624	1,632	1,642	-0.5	-0.6	0.2	1,622	1,630	1,635	1,563	3.8
Household appliances.....	2,716	2,694	2,721	0.8	-1.0	-0.4	2,642	2,713	2,692	2,171	21.9
Electrical equipment.....	4,612	4,666	4,538	-1.2	2.8	-1.8	4,676	4,840	4,636	4,381	6.7
Batteries.....	1,034	1,039	1,018	-0.5	2.1	2.0	1,031	1,019	979	952	8.3
Transportation equipment.....	89,799	88,143	87,002	1.9	1.3	0.8	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.....	2,222	2,261	2,201	-1.7	2.3	12.2	2,282	2,264	2,014	1,849	23.4
Heavy duty trucks.....	1,355	1,340	1,325	1.1	1.1	1.7	1,319	1,335	1,324	1,282	2.9
Motor vehicle bodies, parts, and trailers.....	16,796	16,780	16,665	0.1	0.7	0.4	16,930	17,111	16,944	15,369	10.2
Nondefense aircraft and parts.....	44,406	43,181	42,571	2.8	1.4	1.4	44,351	43,021	42,071	34,691	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.....	3,998	3,941	3,786	1.4	4.1	0.3	4,164	4,070	3,837	3,486	19.4
Furniture and related products.....	6,658	6,644	6,622	0.2	0.3	0.8	6,574	6,570	6,620	5,917	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.....	5,559	5,729	5,970	-3.0	-4.0	3.2	5,529	5,867	6,215	5,288	4.6
Dairy products.....	5,791	5,623	5,466	3.0	2.9	1.3	5,758	5,542	5,324	5,262	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.....	15,778	15,811	15,857	-0.2	-0.3	0.7	15,993	16,197	16,153	15,925	0.4
Beverages.....	12,254	12,233	12,242	0.2	-0.1	0.7	12,376	12,413	12,351	12,072	2.5
Tobacco.....	3,524	3,578	3,615	-1.5	-1.0	0.6	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	3,167	3,144	0.3	0.7	2.9	3,154	3,177	3,171	2,807	12.4
Apparel.....	2,940	2,891	2,870	1.7	0.7	1.9	2,813	2,836	2,859	2,305	22.0
Leather and allied products.....	997	981	965	1.6	1.7	1.7	981	985	995	841	16.6
Paper products.....	14,441	14,393	14,323	0.3	0.5	0.1	14,487	14,534	14,364	13,894	4.3
Pulp, paper, and paperboard mills.....	5,964	5,928	5,888	0.6	0.7	0.5	5,999	6,010	5,937	5,785	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.....	5,596	5,638	5,653	-0.7	-0.3	1.1	5,561	5,648	5,514	5,326	4.4
Petroleum and coal products.....	55,109	53,902	53,240	2.2	1.2	4.7	56,597	52,315	50,361	45,737	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.....	72,972	72,928	72,634	0.1	0.4	2.2	73,433	73,940	72,477	69,440	5.8
Pesticides, fertilizers, and other 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	24,888	24,758	-2.1	0.5	-0.3	24,237	24,917	24,374	24,659	-1.7
Paints, coatings, and adhesives.....	3,517	3,489	3,486	0.8	0.1	0.5	3,623	3,605	3,490	3,246	11.6
Plastics and rubber products.....	20,199	20,115	19,891	0.4	1.1	1.6	20,511	20,405	19,947	19,247	6.6

^P Preliminary^F Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non- calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading- day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.² Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable aggregates totals, but are not shown separately.

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

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

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		Percent Change ⁶ 2011/ 2010
	Mar. 2011 ^p	Feb. 2011 ^f	Jan. 2011	Feb. - Mar.	Jan. - Feb.	Dec. - Jan.	Mar. 2011 ^p	Feb. 2011 ^f	Jan. 2011	Mar. 2010	2011 ^p	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....	41,395	40,699	40,829	1.7	-0.3	1.5	42,317	35,523	34,783	41,044	112,623	109,616	2.7
Information technology.....	27,122	26,831	27,217	1.1	-1.4	-1.1	29,917	23,582	23,553	29,638	77,052	75,587	1.9
Computers and related products.....	6,283	6,063	6,059	3.6	0.1	-2.0	6,803	4,766	5,364	6,519	16,933	15,899	6.5
Motor vehicle and parts.....	33,185	31,922	30,984	4.0	3.0	2.3	37,466	30,764	28,369	31,298	96,599	86,703	11.4
Capital goods.....	76,228	74,343	73,573	2.5	1.0	-3.8	85,233	68,298	64,314	81,476	217,845	210,305	3.6
Nondefense capital goods ³	67,323	65,857	65,331	2.2	0.8	-3.3	75,343	59,946	57,515	69,534	192,804	177,454	8.7
Excluding aircraft.....	63,234	61,793	61,486	2.3	0.5	-2.5	70,107	56,391	55,233	64,403	181,731	166,386	9.2
Defense capital goods ⁴	8,905	8,486	8,242	4.9	3.0	-7.9	9,890	8,352	6,799	11,942	25,041	32,851	-23.8
Consumer goods.....	199,337	192,155	190,461	3.7	0.9	3.3	203,899	175,795	176,570	176,223	556,264	487,417	14.1
Consumer durable goods.....	26,543	25,900	24,990	2.5	3.6	1.9	30,222	24,928	22,291	25,989	77,441	70,343	10.1
Consumer nondurable goods.....	172,794	166,255	165,471	3.9	0.5	3.5	173,677	150,867	154,279	150,234	478,823	417,074	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....	41,779	41,622	42,422	0.4	-1.9	1.9	43,943	36,292	37,010	43,033	117,245	112,248	4.5
Information technology.....	27,233	27,559	27,177	-1.2	1.4	-4.2	30,668	25,046	23,905	31,100	79,619	76,513	4.1
Computers and related products.....	6,412	5,795	5,834	10.6	-0.7	-4.6	6,932	4,498	5,139	6,892	16,569	15,678	5.7
Motor vehicle and parts.....	33,200	32,016	30,933	3.7	3.5	1.9	37,196	30,943	28,513	30,930	96,652	86,401	11.9
Capital goods.....	82,823	79,600	78,563	4.0	1.3	9.9	95,058	72,930	71,534	81,849	239,522	216,450	10.7
Nondefense capital goods ³	73,787	71,205	67,454	3.6	5.6	6.7	82,902	64,434	60,355	68,022	207,691	180,659	15.0
Excluding aircraft.....	66,029	63,403	62,850	4.1	0.9	-5.9	73,397	59,407	58,769	66,600	191,573	170,560	12.3
Defense capital goods ⁴	9,036	8,395	11,109	7.6	-24.4	33.9	12,156	8,496	11,179	13,827	31,831	35,791	-11.1
Consumer goods.....	199,312	192,178	190,303	3.7	1.0	3.1	203,917	176,022	176,663	176,343	556,602	488,520	13.9
Consumer durable goods.....	26,518	25,923	24,832	2.3	4.4	0.5	30,240	25,155	22,384	26,109	77,779	71,446	8.9
Consumer nondurable goods.....	172,794	166,255	165,471	3.9	0.5	3.5	173,677	150,867	154,279	150,234	478,823	417,074	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....	59,460	59,076	58,153	0.7	1.6	2.8	59,691	58,065	57,296	52,877	(X)	(X)	12.9
Information technology.....	122,634	122,523	121,795	0.1	0.6	0.0	124,433	123,682	122,218	119,203	(X)	(X)	4.4
Computers and related products.....	5,215	5,086	5,354	2.5	-5.0	-4.0	5,215	5,086	5,354	5,150	(X)	(X)	1.3
Motor vehicle and parts.....	14,280	14,265	14,171	0.1	0.7	-0.4	14,505	14,775	14,596	14,346	(X)	(X)	1.1
Capital goods.....	655,800	649,205	643,948	1.0	0.8	0.8	663,527	653,702	649,070	626,597	(X)	(X)	5.9
Nondefense capital goods ³	514,198	507,734	502,386	1.3	1.1	0.4	518,061	510,502	506,014	483,374	(X)	(X)	7.2
Excluding aircraft.....	213,585	210,790	209,180	1.3	0.8	0.7	215,480	212,190	209,174	191,036	(X)	(X)	12.8
Defense capital goods ⁴	141,602	141,471	141,562	0.1	-0.1	2.1	145,466	143,200	143,056	143,223	(X)	(X)	1.6
Consumer goods.....	8,819	8,844	8,821	-0.3	0.3	-1.8	9,053	9,035	8,808	9,120	(X)	(X)	-0.7
Consumer durable goods.....	8,819	8,844	8,821	-0.3	0.3	-1.8	9,053	9,035	8,808	9,120	(X)	(X)	-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....	56,643	56,224	55,592	0.7	1.1	0.7	57,228	57,001	55,687	54,593	(X)	(X)	4.8
Information technology.....	40,426	39,790	39,310	1.6	1.2	0.4	39,923	40,268	39,278	37,183	(X)	(X)	7.4
Computers and related products.....	4,487	4,554	4,544	-1.5	0.2	1.9	4,317	4,631	4,353	4,369	(X)	(X)	-1.2
Motor vehicle and parts.....	22,205	22,234	21,904	-0.1	1.5	0.9	22,356	22,693	22,117	20,018	(X)	(X)	11.7
Capital goods.....	161,273	158,103	156,126	2.0	1.3	1.0	161,362	159,508	155,697	142,175	(X)	(X)	13.5
Nondefense capital goods ³	142,964	140,436	138,621	1.8	1.3	1.1	142,862	141,705	138,091	123,832	(X)	(X)	15.4
Excluding aircraft.....	107,065	105,796	104,519	1.2	1.2	0.8	106,898	107,260	104,452	97,285	(X)	(X)	9.9
Defense capital goods ⁴	18,309	17,667	17,505	3.6	0.9	0.2	18,500	17,803	17,606	18,343	(X)	(X)	0.9
Consumer goods.....	178,839	177,652	176,402	0.7	0.7	1.9	179,240	176,941	173,984	161,779	(X)	(X)	10.8
Consumer durable goods.....	24,190	24,210	24,006	-0.1	0.8	0.8	23,983	24,654	24,274	21,325	(X)	(X)	12.5
Consumer nondurable goods.....	154,649	153,442	152,396	0.8	0.7	2.1	155,257	152,287	149,710	140,454	(X)	(X)	10.5

X Not Applicable ^p Preliminary ^f Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.² 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 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group³

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	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	1.62	1.61	1.60	5.54	5.63	5.63	5.55
Wood products.....	1.41	1.44	1.37	1.34	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.37	1.38	1.37	1.39	(X)	(X)	(X)	(X)
Primary metals.....	1.39	1.42	1.42	1.44	0.92	0.94	0.96	0.99
Fabricated metal products.....	1.54	1.55	1.54	1.52	2.01	2.04	2.01	1.99
Machinery.....	2.03	2.09	2.12	1.94	4.88	4.99	5.00	4.54
Computers and electronic products ²	1.47	1.43	1.36	1.39	5.17	5.18	5.08	5.06
Electrical equipment, appliances, and components.....	1.49	1.50	1.49	1.47	3.05	3.01	2.98	2.92
Transportation equipment.....	1.76	1.78	1.80	1.79	13.21	13.55	13.62	13.48
Furniture and related products.....	1.12	1.14	1.14	1.16	1.36	1.35	1.33	1.37
Miscellaneous products.....	1.60	1.61	1.60	1.65	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.94	0.96	0.96	0.97	(X)	(X)	(X)	(X)
Food products.....	0.72	0.72	0.73	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.44	1.50	1.54	1.51	(X)	(X)	(X)	(X)
Textiles.....	1.36	1.35	1.36	1.37	(X)	(X)	(X)	(X)
Textile products.....	1.63	1.64	1.69	1.65	(X)	(X)	(X)	(X)
Apparel.....	2.21	2.19	2.14	2.10	(X)	(X)	(X)	(X)
Leather and allied products.....	2.40	2.40	2.37	2.29	(X)	(X)	(X)	(X)
Paper products.....	0.99	1.00	0.99	0.99	(X)	(X)	(X)	(X)
Printing.....	0.75	0.77	0.77	0.76	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.74	0.78	0.77	0.79	(X)	(X)	(X)	(X)
Chemical products.....	1.15	1.17	1.17	1.16	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.25	1.26	1.24	1.22	(X)	(X)	(X)	(X)

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

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

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

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.]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	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	0.4	0.4	0.7	0.0	0.1	0.1	0.2
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.3	0.8	0.3	2.0	0.0	1.6	0.0	0.4
Fabricated metal products.....	1.1	0.5	1.1	0.7	0.0	0.2	0.3	0.2
Machinery.....	0.0	0.8	0.2	2.2	0.2	0.5	0.2	0.2
Computers and electronic products.....	0.2	0.9	0.3	0.9	0.0	0.2	0.2	0.3
Electrical equipment, appliances, and components.....	0.2	0.6	0.4	1.4	0.1	0.5	0.2	0.4
Transportation equipment.....	0.1	0.6	0.3	1.2	0.0	0.1	0.0	0.3
Furniture and related products.....	(X)	0.4	(X)	1.1	(X)	0.7	(X)	0.4
Miscellaneous products.....	(X)	0.4	(X)	0.3	(X)	0.2	(X)	0.2
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6
Textile products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.6
Leather and allied products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Paper products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	1.0
Chemical products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4

X Not Applicable

NA Not Available

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

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

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

Survey Description

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

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

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:

- **benchmarking the shipments and inventory data to the 2009 Annual Survey of Manufactures (ASM) data;**
- **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;**
- **adjusting new orders to be consistent with the benchmarked shipments and unfilled orders data;**
- **correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data; and**
- **updating the seasonal adjustment factors for all series.**

