

# U.S. Census Bureau News

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

FOR IMMEDIATE RELEASE

WEDNESDAY, AUGUST 24, 2011, AT 8:30 A.M. EDT

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

M3-1 (11)-07  
CB11-143

## Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders July 2011

**New Orders.** New orders for manufactured durable goods in July increased \$7.7 billion or 4.0 percent to \$201.5 billion, the U.S. Census Bureau announced today. This increase, up two of the last three months, followed a 1.3 percent June decrease. Excluding transportation, new orders increased 0.7 percent. Excluding defense, new orders increased 4.8 percent. Transportation equipment, also up two of the last three months, had the largest increase, \$6.7 billion or 14.6 percent to \$53.0 billion. This was led by nondefense aircraft and parts which increased \$3.2 billion.

**Shipments.** Shipments of manufactured durable goods in July, up seven of the last eight months, increased \$5.0 billion or 2.5 percent to \$202.2 billion. This followed a 1.1 percent June increase. Transportation equipment, up two consecutive months, had the largest increase, \$3.7 billion or 8.0 percent to \$49.8 billion.

**Unfilled Orders.** Unfilled orders for manufactured durable goods in July, up fifteen of the last sixteen months, increased \$6.1 billion or 0.7 percent to \$869.5 billion. This followed a 0.3 percent June increase. Transportation equipment, up seven consecutive months, had the largest increase, \$3.3 billion or 0.7 percent to \$500.9 billion. This followed a slight June increase.

**Inventories.** Inventories of manufactured durable goods in July, up nineteen consecutive months, increased \$2.9 billion or 0.8 percent to \$361.0 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.6 percent June increase. Transportation equipment, also up nineteen consecutive months, had the largest increase, \$1.7 billion or 1.5 percent to \$110.8 billion. This was also at the highest level since the series was first published on a NAICS basis and followed a 1.2 percent June increase.

**Capital Goods.** Nondefense new orders for capital goods in July increased \$1.7 billion or 2.4 percent to \$72.7 billion. Shipments increased \$0.8 billion or 1.2 percent to \$69.2 billion. Unfilled orders increased \$3.5 billion or 0.7 percent to \$508.8 billion. Inventories increased \$1.4 billion or 0.8 percent to \$164.2 billion. Defense new orders for capital goods in July decreased \$0.7 billion or 7.8 percent to \$8.0 billion. Shipments decreased \$0.4 billion or 5.2 percent to \$7.3 billion. Unfilled orders increased \$0.7 billion or 0.5 percent to \$151.1 billion. Inventories increased \$0.2 billion or 0.9 percent to \$20.5 billion.

**Revised June Data.** Revised seasonally adjusted June figures for all manufacturing industries were: new orders, \$441.6 billion (revised from \$440.7 billion); shipments, \$445.0 billion (revised from \$444.3 billion); unfilled orders, \$863.4 billion (unchanged); and total inventories, \$594.9 billion (revised from \$594.4 billion).

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>>.

Revised and more detailed estimates, plus nondurable goods data, will be published on August 31, 2011, at 10:00 a.m. EDT. The advance report on durable goods for August is scheduled for release on September 28, 2011, at 8:30 a.m. EDT. See back page for survey description.

Table 1. Durable Goods Manufacturers' Shipments and New Orders <sup>1</sup>

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

Item	Seasonally Adjusted						Not Seasonally Adjusted					
	Monthly			Percent Change			Monthly			Year to Date		
	Jul 2011 <sup>2</sup>	Jun 2011 <sup>f</sup>	May 2011	Jun - Jul <sup>2</sup>	May - Jun <sup>f</sup>	Apr - May	Jul 2011 <sup>2</sup>	Jun 2011 <sup>f</sup>	Jul 2010	2011	2010	Change 11/10
<b>DURABLE GOODS</b>												
<b>Total:</b>												
Shipments.....	202,197	197,215	195,099	2.5	1.1	0.5	186,944	213,099	175,920	1,349,907	1,256,200	7.5
New Orders <sup>4</sup> .....	201,450	193,729	196,209	4.0	-1.3	2.0	181,823	206,064	166,598	1,342,850	1,226,920	9.4
<b>Excluding transportation:</b>												
Shipments.....	152,432	151,115	149,133	0.9	1.3	0.9	147,471	162,168	137,144	1,033,591	951,779	8.6
New Orders <sup>4</sup> .....	148,413	147,434	146,593	0.7	0.6	0.8	141,114	157,035	130,261	1,017,084	931,730	9.2
<b>Excluding defense:</b>												
Shipments.....	192,710	187,214	185,028	2.9	1.2	0.6	178,463	202,001	165,260	1,280,633	1,171,350	9.3
New Orders <sup>4</sup> .....	191,460	182,767	184,508	4.8	-0.9	1.6	175,034	194,212	158,119	1,267,424	1,143,571	10.8
<b>Manufacturing with unfilled orders:</b>												
Shipments.....	144,779	142,672	140,840	1.5	1.3	0.9	134,072	155,499	125,330	973,219	904,172	7.6
New Orders.....	150,887	145,289	148,424	3.9	-2.1	2.7	137,168	153,424	124,463	1,012,065	916,229	10.5
<b>Primary metals:</b>												
Shipments.....	24,758	23,946	23,149	3.4	3.4	2.6	23,777	25,711	17,874	162,692	127,123	28.0
New Orders.....	25,070	22,732	22,686	10.3	0.2	0.2	24,040	23,893	19,221	162,983	132,430	23.1
<b>Fabricated metal products:</b>												
Shipments.....	24,840	25,053	24,794	-0.9	1.0	0.7	24,104	26,743	23,066	171,129	162,233	5.5
New Orders.....	25,609	25,868	24,872	-1.0	4.0	0.9	24,815	26,669	22,941	176,879	165,064	7.2
<b>Machinery:</b>												
Shipments.....	29,316	29,456	28,327	-0.5	4.0	2.3	27,584	31,748	24,609	199,373	180,169	10.7
New Orders.....	31,393	31,858	32,455	-1.5	-1.8	2.5	29,464	33,367	25,734	219,296	189,415	15.8
<b>Computers and electronic products<sup>4</sup>:</b>												
Shipments.....	31,220	30,500	30,840	2.4	-1.1	-0.8	30,473	32,277	31,257	209,675	203,567	3.0
New Orders.....	23,812	24,652	24,399	-3.4	1.0	0.4	20,931	27,403	21,956	162,997	161,313	1.0
<b>Computers and related products:</b>												
Shipments.....	5,772	5,754	5,608	0.3	2.6	-2.1	5,904	6,837	5,531	38,064	33,544	13.5
New Orders.....	5,448	5,884	5,773	-7.4	1.9	2.0	5,580	6,967	5,265	37,729	33,455	12.8
<b>Communications equipment:</b>												
Shipments.....	3,021	3,077	3,117	-1.8	-1.3	-3.9	2,645	3,513	3,283	21,195	25,280	-16.2
New Orders.....	2,607	3,466	2,992	-24.8	15.8	8.5	2,013	3,771	3,035	19,458	23,891	-18.6
<b>Electrical equipment, appliances, and components:</b>												
Shipments.....	9,988	10,129	10,149	-1.4	-0.2	1.6	9,440	10,944	9,211	69,266	65,037	6.5
New Orders.....	10,185	10,374	10,401	-1.8	-0.3	2.8	9,899	11,102	9,600	72,371	68,514	5.6
<b>Transportation equipment:</b>												
Shipments.....	49,765	46,100	45,966	8.0	0.3	-0.6	39,473	50,931	38,776	316,316	304,421	3.9
New Orders.....	53,037	46,295	49,616	14.6	-6.7	5.8	40,709	49,029	36,337	325,766	295,190	10.4
<b>Motor vehicles and parts:</b>												
Shipments.....	32,241	28,876	28,941	11.7	-0.2	0.1	24,490	30,914	22,125	199,071	179,839	10.7
New Orders.....	32,286	28,954	28,935	11.5	0.1	0.2	24,546	30,662	22,004	198,719	178,823	11.1
<b>Nondefense aircraft and parts:</b>												
Shipments.....	7,488	6,938	6,720	7.9	3.2	-1.5	6,323	8,467	6,710	46,893	44,303	5.8
New Orders.....	10,476	7,303	9,611	43.4	-24.0	31.4	8,884	7,246	6,666	55,002	42,608	29.1
<b>Defense aircraft and parts:</b>												
Shipments.....	3,803	4,213	4,241	-9.7	-0.7	1.1	3,317	4,969	4,235	28,314	34,643	-18.3
New Orders.....	3,839	4,090	5,145	-6.1	-20.5	13.4	2,925	4,746	3,821	30,676	34,970	-12.3
<b>All other durable goods:</b>												
Shipments.....	32,310	32,031	31,874	0.9	0.5	0.0	32,093	34,745	31,127	221,456	213,650	3.7
New Orders.....	32,344	31,950	31,780	1.2	0.5	-0.9	31,965	34,601	30,809	222,558	214,994	3.5
<b>Capital goods<sup>3</sup>:</b>												
Shipments.....	76,514	76,074	74,869	0.6	1.6	1.0	71,054	83,170	68,538	514,367	491,349	4.7
New Orders.....	80,703	79,656	81,859	1.3	-2.7	5.6	72,575	84,356	66,046	544,418	495,329	9.9
<b>Nondefense capital goods:</b>												
Shipments.....	69,179	68,340	66,985	1.2	2.0	1.3	64,395	74,879	60,000	459,877	422,457	8.9
New Orders.....	72,675	70,946	72,856	2.4	-2.6	5.4	67,223	75,243	59,729	483,879	428,577	12.9
<b>Excluding aircraft:</b>												
Shipments.....	64,548	64,443	63,253	0.2	1.9	1.7	60,592	70,104	55,656	433,498	396,148	9.4
New Orders.....	65,934	66,907	66,540	-1.5	0.6	1.9	61,748	71,531	56,008	451,477	403,843	11.8
<b>Defense capital goods:</b>												
Shipments.....	7,335	7,734	7,884	-5.2	-1.9	-1.0	6,659	8,291	8,538	54,490	68,892	-20.9
New Orders.....	8,028	8,710	9,003	-7.8	-3.3	7.6	5,352	9,113	6,317	60,539	66,752	-9.3

<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.<sup>1</sup> Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.<sup>2</sup> Based on advance sample. 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>.<sup>3</sup> The Capital Goods Industries include Nondefense: 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.

Defense Capital Goods include: small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.

<sup>4</sup> Estimates of shipments for the semiconductor industry are no longer shown separately. Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.

Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories <sup>1</sup>

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

Item	Seasonally Adjusted						Not Seasonally Adjusted			
	Monthly			Percent Change			Monthly			Percent
	Jul 2011 <sup>2</sup>	Jun 2011 <sup>r</sup>	May 2011	Jun - Jul <sup>2</sup>	May - Jun <sup>r</sup>	Apr - May	Jul 2011 <sup>2</sup>	Jun 2011 <sup>r</sup>	Jul 2010	
<b>DURABLE GOODS</b>										
<b>Total:</b>										
Unfilled Orders <sup>4</sup> .....	869,473	863,365	860,748	0.7	0.3	0.9	868,304	865,208	810,730	7.1
Total Inventories.....	360,998	358,125	355,983	0.8	0.6	1.3	364,251	357,234	322,562	12.9
<b>Excluding transportation:</b>										
Unfilled Orders <sup>4</sup> .....	368,579	365,743	363,321	0.8	0.7	1.1	369,594	367,734	326,047	13.4
Total Inventories.....	250,248	249,025	248,153	0.5	0.4	1.1	252,142	248,492	228,510	10.3
<b>Excluding defense:</b>										
Unfilled Orders <sup>4</sup> .....	699,460	693,855	692,199	0.8	0.2	0.9	698,748	693,960	648,268	7.8
Total Inventories.....	334,964	332,332	329,835	0.8	0.8	1.2	338,210	331,520	297,395	13.7
<b>Manufacturing with unfilled orders:</b>										
Unfilled Orders.....	869,473	863,365	860,748	0.7	0.3	0.9	868,304	865,208	810,730	7.1
Total Inventories.....	296,436	294,070	291,894	0.8	0.7	1.4	299,312	293,488	262,436	14.1
<b>Primary metals:</b>										
Unfilled Orders.....	31,805	31,493	32,707	1.0	-3.7	-1.4	31,952	31,689	29,008	10.1
Total Inventories.....	34,023	33,847	33,777	0.5	0.2	1.3	34,794	34,263	29,791	16.8
<b>Fabricated metal products:</b>										
Unfilled Orders.....	64,350	63,581	62,766	1.2	1.3	0.1	65,038	64,327	61,486	5.8
Total Inventories.....	45,544	45,254	45,047	0.6	0.5	2.0	46,107	45,438	41,469	11.2
<b>Machinery:</b>										
Unfilled Orders.....	114,070	111,993	109,591	1.9	2.2	3.9	114,201	112,321	85,528	33.5
Total Inventories.....	58,215	57,700	57,249	0.9	0.8	1.6	58,222	57,283	51,193	13.7
<b>Computers and electronic products<sup>4</sup>:</b>										
Unfilled Orders.....	123,777	124,330	124,075	-0.4	0.2	0.0	123,096	124,421	119,724	2.8
Total Inventories.....	48,492	48,259	48,131	0.5	0.3	0.3	48,676	47,579	45,127	7.9
<b>Computers and related products:</b>										
Unfilled Orders.....	3,319	3,643	3,513	-8.9	3.7	4.9	3,319	3,643	3,455	-3.9
Total Inventories.....	5,906	5,784	5,703	2.1	1.4	-1.9	5,914	5,696	5,841	1.2
<b>Communications equipment:</b>										
Unfilled Orders.....	28,252	28,666	28,277	-1.4	1.4	-0.4	27,854	28,486	28,182	-1.2
Total Inventories.....	9,932	9,943	9,747	-0.1	2.0	1.1	9,885	9,681	9,056	9.2
<b>Electrical equipment, appliances, and components:</b>										
Unfilled Orders.....	25,950	25,753	25,508	0.8	1.0	1.0	26,357	25,898	22,108	19.2
Total Inventories.....	15,455	15,506	15,489	-0.3	0.1	0.6	15,660	15,552	14,658	6.8
<b>Transportation equipment:</b>										
Unfilled Orders.....	500,894	497,622	497,427	0.7	0.0	0.7	498,710	497,474	484,683	2.9
Total Inventories.....	110,750	109,100	107,830	1.5	1.2	1.7	112,109	108,742	94,052	19.2
<b>Motor vehicles and parts:</b>										
Unfilled Orders.....	13,626	13,581	13,503	0.3	0.6	0.0	13,444	13,388	12,884	4.3
Total Inventories.....	25,481	25,002	24,891	1.9	0.4	1.2	25,786	24,614	22,767	13.3
<b>Nondefense Aircraft and parts:</b>										
Unfilled Orders.....	347,241	344,253	343,888	0.9	0.1	0.8	345,525	342,964	329,384	4.9
Total Inventories.....	60,116	59,188	57,838	1.6	2.3	2.2	61,112	59,354	46,438	31.6
<b>Defense Aircraft and parts:</b>										
Unfilled Orders.....	54,389	54,353	54,476	0.1	-0.2	1.7	54,467	54,859	51,398	6.0
Total Inventories.....	14,378	14,265	14,599	0.8	-2.3	2.4	14,463	14,304	14,089	2.7
<b>All other durable goods:</b>										
Unfilled Orders.....	8,627	8,593	8,674	0.4	-0.9	-1.1	8,950	9,078	8,193	9.2
Total Inventories.....	48,519	48,459	48,460	0.1	0.0	0.4	48,683	48,377	46,272	5.2
<b>Capital goods<sup>3</sup>:</b>										
Unfilled Orders.....	659,961	655,772	652,190	0.6	0.5	1.1	658,263	656,742	614,181	7.2
Total Inventories.....	184,742	183,202	181,486	0.8	0.9	1.5	185,897	182,582	160,550	15.8
<b>Nondefense capital goods:</b>										
Unfilled Orders.....	508,846	505,350	502,744	0.7	0.5	1.2	507,542	504,714	468,960	8.2
Total Inventories.....	164,249	162,885	160,697	0.8	1.4	1.5	165,482	162,383	140,503	17.8
<b>Excluding aircraft:</b>										
Unfilled Orders.....	203,736	202,350	199,886	0.7	1.2	1.7	204,073	202,917	177,316	15.1
Total Inventories.....	112,623	112,015	111,060	0.5	0.9	1.1	112,928	111,228	102,022	10.7
<b>Defense capital goods:</b>										
Unfilled Orders.....	151,115	150,422	149,446	0.5	0.7	0.8	150,721	152,028	145,221	3.8
Total Inventories.....	20,493	20,317	20,789	0.9	-2.3	2.1	20,415	20,199	20,047	1.8

See footnotes at end of Table 1

## Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,300 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 65 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

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

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