

# U.S. Census Bureau News

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

FOR IMMEDIATE RELEASE  
WEDNESDAY, JULY 29, 2009, AT 8:30 A.M. EDT

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M3-1 (09)-06  
CB09-122

## Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders June 2009

### New Orders

New orders for manufactured durable goods in June decreased \$4.1 billion or 2.5 percent to \$158.6 billion, the U.S. Census Bureau announced today. This decrease followed two consecutive monthly increases including a 1.3 percent May increase. Excluding transportation, new orders increased 1.1 percent. Excluding defense, new orders decreased 0.7 percent.

Transportation equipment, down following two consecutive monthly increases, had the largest decrease, \$5.3 billion or 12.8 percent to \$36.5 billion.

### Shipments

Shipments of manufactured durable goods in June, down eleven consecutive months, decreased \$0.3 billion or 0.2 percent to \$168.3 billion. This was the longest streak of consecutive monthly decreases since the series was first published on a NAICS basis in 1992 and followed a 2.6 percent May decrease.

Computers and electronic products, down five of the last six months, had the largest decrease, \$0.4 billion or 1.6 percent to \$27.4 billion.

### Unfilled Orders

Unfilled orders for manufactured durable goods in June, down nine consecutive months, decreased \$6.6 billion or 0.9 percent to \$740.1 billion. This followed a 0.3 percent May decrease.

Transportation equipment, down nine consecutive months, had the largest decrease, \$5.9 billion or 1.3 percent to \$433.3 billion.

### Inventories

Inventories of manufactured durable goods in June, down six consecutive months, decreased \$3.0 billion or 0.9 percent to \$318.8 billion. This followed a 1.1 percent May decrease.

Computers and electronic products, down six consecutive months, had the largest decrease, \$0.8 billion or 1.7 percent to \$44.8 billion.

### Capital Goods

Nondefense new orders for capital goods in June decreased \$1.8 billion or 3.4 percent to \$51.3 billion. Shipments decreased \$0.1 billion or 0.1 percent to \$55.8 billion. Unfilled orders decreased \$4.5 billion or 1.1 percent to \$424.8 billion. Inventories decreased \$0.7 billion or 0.5 percent to \$140.6 billion.

Defense new orders for capital goods in June decreased \$3.4 billion or 28.3 percent to \$8.6 billion. Shipments increased \$0.4 billion or 4.3 percent to \$10.8 billion. Unfilled orders decreased \$2.2 billion or 1.5 percent to \$142.2 billion. Inventories decreased \$0.1 billion or 0.4 percent to \$20.2 billion.

### Revised May Data

Revised seasonally adjusted May figures for all manufacturing industries were: new orders, \$346.9 billion (revised from \$347.9 billion); shipments, \$352.9 billion (revised from \$353.3 billion); unfilled orders, \$746.7 billion (revised from \$747.3 billion); and total inventories, \$512.8 billion (revised from \$513.3 billion).

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Figures in text are in seasonally adjusted current dollars. 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 5, 2009, at 10:00 a.m. EDT. The advance report on durable goods for July is scheduled for release on August 26, 2009, at 8:30 a.m. EDT. See back page for survey description.

**Table 1. Durable Goods Manufacturers' Shipments and New Orders**  
 [Millions of Dollars]

Item	Seasonally Adjusted						Not Seasonally Adjusted <sup>1</sup>					
	Monthly			Percent Change			Monthly			Year to Date		
	Jun 2009 <sup>2</sup>	May 2009 <sup>r</sup>	Apr 2009	May - Jun <sup>2</sup>	Apr - May <sup>r</sup>	Mar - Apr	Jun 2009 <sup>2</sup>	May 2009 <sup>r</sup>	Jun 2008	2009	2008	Percent Change 09/08
<b>DURABLE GOODS</b>												
<b>Total:</b>												
Shipments.....	168,330	168,599	173,180	-0.2	-2.6	-0.7	184,255	168,362	229,644	1,032,675	1,282,702	-19.5
New Orders <sup>4</sup> .....	158,571	162,623	160,510	-2.5	1.3	1.4	171,322	159,275	228,345	953,538	1,300,357	-26.7
<b>Excluding transportation:</b>												
Shipments.....	125,882	126,489	128,231	-0.5	-1.4	-0.9	137,337	125,791	171,670	769,453	953,636	-19.3
New Orders <sup>4</sup> .....	122,032	120,739	119,742	1.1	0.8	-0.2	131,502	119,863	168,936	725,467	947,081	-23.4
<b>Excluding defense:</b>												
Shipments.....	154,192	155,090	159,795	-0.6	-2.9	-0.9	169,166	154,940	217,059	954,737	1,214,837	-21.4
New Orders <sup>4</sup> .....	146,513	147,572	146,298	-0.7	0.9	0.2	158,945	146,552	213,706	879,489	1,227,964	-28.4
<b>Manufacturing with unfilled orders:</b>												
Shipments.....	122,154	121,454	124,037	0.6	-2.1	-2.1	134,308	121,165	167,415	745,158	916,754	-18.7
New Orders <sup>4</sup> .....	115,582	119,085	115,426	-2.9	3.2	1.7	124,006	115,477	169,528	687,162	964,616	-28.8
<b>Primary metals:</b>												
Shipments.....	12,015	12,071	12,473	-0.5	-3.2	-4.9	13,084	12,475	24,441	78,728	135,117	-41.7
New Orders.....	12,678	11,647	11,668	8.9	-0.2	0.2	13,726	11,997	24,296	74,921	137,680	-45.6
<b>Fabricated metal products:</b>												
Shipments.....	23,304	23,229	23,804	0.3	-2.4	-2.7	24,929	23,659	29,564	143,194	165,681	-13.6
New Orders.....	22,399	22,448	23,009	-0.2	-2.4	3.4	23,493	23,528	28,949	137,367	170,173	-19.3
<b>Machinery:</b>												
Shipments.....	23,243	23,127	22,812	0.5	1.4	-3.8	25,146	23,195	31,657	142,829	177,649	-19.6
New Orders.....	23,267	22,297	20,772	4.4	7.3	0.2	24,012	21,892	31,707	132,052	188,601	-30.0
<b>Computers and electronic products:</b>												
Shipments.....	27,350	27,793	28,449	-1.6	-2.3	3.0	30,683	25,828	34,809	164,221	190,965	-14.0
New Orders <sup>4</sup> .....	24,081	24,707	24,177	-2.5	2.2	-3.5	27,304	22,004	31,915	142,230	163,413	-13.0
<b>Computers and related products:</b>												
Shipments.....	4,375	4,352	4,376	0.5	-0.5	-0.4	5,368	3,744	6,193	25,558	30,862	-17.2
New Orders.....	4,578	4,635	3,999	-1.2	15.9	-7.3	5,571	4,027	6,539	25,187	31,102	-19.0
<b>Communications equipment:</b>												
Shipments.....	4,722	4,528	4,672	4.3	-3.1	-2.4	5,810	4,224	7,197	27,380	33,803	-19.0
New Orders.....	4,379	4,911	4,982	-10.8	-1.4	6.8	5,072	4,481	6,720	28,076	34,744	-19.2
<b>Semiconductors:</b>												
Shipments.....	3,187	3,607	4,059	-11.6	-11.1	40.4	2,631	3,399	3,412	21,141	30,207	-30.0
New Orders <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>Electrical equipment, appliances, and components:</b>												
Shipments.....	8,275	8,303	8,613	-0.3	-3.6	1.5	8,969	8,312	11,375	50,398	63,578	-20.7
New Orders.....	8,014	7,943	8,111	0.9	-2.1	-0.9	8,485	8,090	12,027	48,958	66,173	-26.0
<b>Transportation equipment:</b>												
Shipments.....	42,448	42,110	44,949	0.8	-6.3	-0.2	46,918	42,571	57,974	263,222	329,066	-20.0
New Orders.....	36,539	41,884	40,768	-12.8	2.7	6.3	39,820	39,412	59,409	228,071	353,276	-35.4
<b>Motor vehicles and parts:</b>												
Shipments.....	22,527	22,766	25,030	-1.0	-9.0	2.0	24,462	23,242	35,145	146,582	212,732	-31.1
New Orders.....	22,419	22,637	24,781	-1.0	-8.7	1.3	24,133	22,896	34,762	145,315	211,418	-31.3
<b>Nondefense aircraft and parts:</b>												
Shipments.....	7,301	7,218	7,764	1.1	-7.0	-2.5	8,795	7,249	10,191	46,407	50,587	-8.3
New Orders.....	3,925	6,384	3,980	-38.5	60.4	-1.3	4,972	5,100	11,214	21,669	73,799	-70.6
<b>Defense aircraft and parts:</b>												
Shipments.....	6,182	5,693	5,302	8.6	7.4	-4.1	6,743	5,567	5,198	31,712	25,878	22.5
New Orders.....	7,065	5,432	5,417	30.1	0.3	1.2	7,456	4,500	5,062	31,845	27,523	15.7
<b>All other durable goods:</b>												
Shipments.....	31,695	31,966	32,080	-0.8	-0.4	0.3	34,526	32,322	39,824	190,083	220,646	-13.9
New Orders.....	31,593	31,697	32,005	-0.3	-1.0	-0.2	34,482	32,352	40,042	189,939	221,041	-14.1
<b>Capital goods:</b> <sup>3</sup>												
Shipments.....	66,613	66,235	66,759	0.6	-0.8	-1.9	73,719	64,768	84,965	401,085	458,777	-12.6
New Orders.....	59,885	65,117	59,890	-8.0	8.7	1.3	64,549	60,258	87,829	354,103	497,474	-28.8
<b>Nondefense capital goods:</b>												
Shipments.....	55,770	55,835	56,467	-0.1	-1.1	-2.8	62,389	54,265	75,516	340,965	406,139	-16.0
New Orders.....	51,256	53,080	48,648	-3.4	9.1	-3.5	56,024	49,971	76,478	297,189	441,681	-32.7
<b>Excluding aircraft:</b>												
Shipments.....	52,011	51,963	52,243	0.1	-0.5	-2.9	57,789	50,181	69,938	316,291	378,721	-16.5
New Orders.....	51,011	50,307	48,241	1.4	4.3	-3.5	55,137	48,155	69,878	299,566	392,813	-23.7
<b>Defense capital goods:</b>												
Shipments.....	10,843	10,400	10,292	4.3	1.0	2.7	11,330	10,503	9,449	60,120	52,638	14.2
New Orders.....	8,629	12,037	11,242	-28.3	7.1	28.8	8,525	10,287	11,351	56,914	55,793	2.0

NA Not Available <sup>r</sup> Revised<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and total inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.<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. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-3(07), "Manufacturers' Shipments, Inventories, and Orders: 2004-2007."<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> Data on new and unfilled orders are not available for the semiconductor industry. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data. Inventories for semiconductor industry data are included in computers and electronic products and total durable goods industries, but are not shown separately.

**Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories**  
 [Millions of Dollars]

Item	Seasonally Adjusted						Not Seasonally Adjusted <sup>1</sup>			
	Monthly			Percent Change			Monthly			Percent Change 2009/2008
	Jun 2009 <sup>2</sup>	May 2009 <sup>r</sup>	Apr 2009	May - Jun <sup>2</sup>	Apr - May <sup>r</sup>	Mar - Apr	Jun 2009 <sup>2</sup>	May 2009 <sup>r</sup>	Jun 2008	
<b>DURABLE GOODS</b>										
<b>Total:</b>										
Unfilled Orders <sup>4</sup> .....	740,140	746,712	749,081	-0.9	-0.3	-1.1	740,757	751,059	819,678	-9.6
Total Inventories.....	318,802	321,766	325,404	-0.9	-1.1	-1.2	314,817	322,943	330,660	-4.8
<b>Excluding transportation:</b>										
Unfilled Orders <sup>4</sup> .....	306,845	307,508	309,651	-0.2	-0.7	-1.4	308,073	311,277	358,673	-14.1
Total Inventories.....	225,383	228,532	231,949	-1.4	-1.5	-1.8	222,425	229,050	244,121	-8.9
<b>Excluding defense:</b>										
Unfilled Orders <sup>4</sup> .....	581,822	586,314	590,225	-0.8	-0.7	-1.6	582,090	589,680	663,841	-12.3
Total Inventories.....	292,671	295,519	299,143	-1.0	-1.2	-1.4	288,688	296,538	306,075	-5.7
<b>Manufacturing with unfilled orders:</b>										
Unfilled Orders <sup>4</sup> .....	740,140	746,712	749,081	-0.9	-0.3	-1.1	740,757	751,059	819,678	-9.6
Total Inventories.....	256,301	258,960	261,835	-1.0	-1.1	-1.2	253,338	260,103	265,041	-4.4
<b>Primary metals:</b>										
Unfilled Orders.....	14,199	13,536	13,960	4.9	-3.0	-5.5	14,520	13,878	29,826	-51.3
Total Inventories.....	26,347	27,073	27,958	-2.7	-3.2	-3.6	26,108	26,889	33,543	-22.2
<b>Fabricated metal products:</b>										
Unfilled Orders.....	49,885	50,790	51,571	-1.8	-1.5	-1.5	50,908	52,344	63,911	-20.3
Total Inventories.....	38,992	39,665	40,410	-1.7	-1.8	-2.4	38,662	39,515	43,445	-11.0
<b>Machinery:</b>										
Unfilled Orders.....	87,657	87,633	88,463	0.0	-0.9	-2.3	87,134	88,268	101,339	-14.0
Total Inventories.....	51,383	51,684	52,349	-0.6	-1.3	-1.5	50,557	51,917	53,300	-5.1
<b>Computers and electronic products:</b>										
Unfilled Orders <sup>4</sup> .....	123,742	123,824	123,303	-0.1	0.4	-0.2	123,729	124,477	124,422	-0.6
Total Inventories.....	44,787	45,576	45,970	-1.7	-0.9	-0.7	43,742	45,954	45,427	-3.7
<b>Computers and related products:</b>										
Unfilled Orders.....	3,719	3,516	3,233	5.8	8.8	-10.4	3,719	3,516	3,957	-6.0
Total Inventories.....	4,343	4,406	4,599	-1.4	-4.2	-2.0	4,160	4,568	4,887	-14.9
<b>Communications equipment:</b>										
Unfilled Orders.....	37,323	37,666	37,283	-0.9	1.0	0.8	37,450	38,188	37,358	0.2
Total Inventories.....	9,867	10,474	10,327	-5.8	1.4	0.3	9,441	10,588	9,275	1.8
<b>Semiconductors:</b>										
Unfilled Orders <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total Inventories <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>Electrical equipment, appliances, and components:</b>										
Unfilled Orders.....	20,072	20,333	20,693	-1.3	-1.7	-2.4	20,159	20,643	25,659	-21.4
Total Inventories.....	12,970	13,194	13,390	-1.7	-1.5	-2.2	12,857	13,369	15,177	-15.3
<b>Transportation equipment:</b>										
Unfilled Orders.....	433,295	439,204	439,430	-1.3	-0.1	-0.9	432,684	439,782	461,005	-6.1
Total Inventories.....	93,419	93,234	93,455	0.2	-0.2	0.3	92,392	93,893	86,539	6.8
<b>Motor vehicles and parts:</b>										
Unfilled Orders.....	14,616	14,724	14,853	-0.7	-0.9	-1.6	14,382	14,711	17,251	-16.6
Total Inventories.....	18,909	18,951	19,315	-0.2	-1.9	-2.4	18,626	18,968	23,369	-20.3
<b>Nondefense Aircraft and parts:</b>										
Unfilled Orders.....	283,922	287,298	288,132	-1.2	-0.3	-1.3	283,372	287,195	303,827	-6.7
Total Inventories.....	47,617	47,122	47,038	1.1	0.2	0.8	47,005	47,537	37,431	25.6
<b>Defense Aircraft and parts:</b>										
Unfilled Orders.....	48,190	47,307	47,568	1.9	-0.5	0.2	48,360	47,647	44,947	7.6
Total Inventories.....	15,525	15,482	15,543	0.3	-0.4	2.2	15,602	15,591	14,594	6.9
<b>All other durable goods:</b>										
Unfilled Orders.....	11,290	11,392	11,661	-0.9	-2.3	-0.6	11,623	11,667	13,516	-14.0
Total Inventories.....	50,904	51,340	51,872	-0.8	-1.0	-1.5	50,499	51,406	53,229	-5.1
<b>Capital goods:<sup>3</sup></b>										
Unfilled Orders.....	566,969	573,697	574,815	-1.2	-0.2	-1.2	566,953	576,123	614,154	-7.7
Total Inventories.....	160,743	161,493	162,614	-0.5	-0.7	-0.3	158,418	162,546	154,172	2.8
<b>Nondefense capital goods:</b>										
Unfilled Orders.....	424,756	429,270	432,025	-1.1	-0.6	-1.8	424,494	430,859	474,357	-10.5
Total Inventories.....	140,584	141,246	142,341	-0.5	-0.8	-0.5	138,338	142,250	134,987	2.5
<b>Excluding aircraft:</b>										
Unfilled Orders.....	176,092	177,092	178,748	-0.6	-0.9	-2.2	176,457	179,109	202,876	-13.0
Total Inventories.....	102,502	103,670	104,797	-1.1	-1.1	-1.2	100,760	104,427	105,867	-4.8
<b>Defense capital goods:</b>										
Unfilled Orders.....	142,213	144,427	142,790	-1.5	1.1	0.7	142,459	145,264	139,797	1.9
Total Inventories.....	20,159	20,247	20,273	-0.4	-0.1	1.0	20,080	20,296	19,185	4.7

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 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 61 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>.