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## Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders August 2013

### New Orders

New orders for manufactured durable goods in August increased \$0.3 billion or 0.1 percent to \$224.9 billion, the U.S. Census Bureau announced today. This increase, up four of the last five months, followed an 8.1 percent July decrease. Excluding transportation, new orders decreased 0.1 percent. Excluding defense, new orders increased 0.5 percent.

Transportation equipment, also up four of the last five months, drove the increase, \$0.5 billion or 0.7 percent to \$67.9 billion. This was driven by Motor vehicles and parts, which increased \$1.1 billion.

### Shipments

Shipments of manufactured durable goods in August, up following two consecutive monthly decreases, increased \$2.1 billion or 0.9 percent to \$231.5 billion. This was at the highest level since the series was first published on a NAICS basis in 1992, and followed a 0.1 percent July decrease.

Transportation equipment, also up following two consecutive monthly decreases, led the increase, \$1.0 billion or 1.5 percent to \$69.7 billion.

### Unfilled Orders

Unfilled orders for manufactured durable goods in August, up six of the last seven months, increased \$0.4 billion to \$1,032.4 billion. This was at the highest level since the series was first published on a NAICS basis, and followed a 0.2 percent July increase.

Machinery, up four of the last five months, drove the

the increase, \$1.3 billion or 1.2 percent to \$107.5 billion.

### Inventories

Inventories of manufactured durable goods in August, up four of the last five months, increased \$0.3 billion or 0.1 percent to \$379.1 billion. This was at the highest level since the series was first published on a NAICS basis, and followed a 0.3 percent July increase.

Transportation equipment, up fifteen of the last sixteen months, drove the increase, \$0.4 billion or 0.3 percent to \$117.3 billion.

### Capital Goods

Nondefense new orders for capital goods in August decreased \$0.1 billion or 0.2 percent to \$75.9 billion. Shipments increased \$0.3 billion or 0.4 percent to \$73.8 billion. Unfilled orders increased \$2.1 billion or 0.3 percent to \$610.4 billion. Inventories increased \$0.7 billion or 0.4 percent to \$172.1 billion.

Defense new orders for capital goods in August decreased \$0.6 billion or 6.5 percent to \$8.4 billion. Shipments increased \$0.8 billion or 8.3 percent to \$10.1 billion. Unfilled orders decreased \$1.8 billion or 1.0 percent to \$167.6 billion. Inventories decreased \$0.6 billion or 2.7 percent to \$22.5 billion.

### Revised July Data

Revised seasonally adjusted July figures for all manufacturing industries were: new orders, \$483.6 billion (revised from \$485.0 billion); shipments, \$488.3 billion (revised from \$487.6 billion); unfilled orders, \$1,032.0 billion (revised from \$1,033.9); and total inventories, \$629.5 billion (revised from \$629.7 billion).

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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 October 3, 2013, at 10:00 a.m. EDT. The advance report on durable goods for September is scheduled for release on October 25, 2013, at 8:30 a.m. EDT. See back page for survey description. To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets. To learn more about this release and the other indicators the U.S. Census Bureau publishes, join us for the 2013 Economic Indicator Webinar Series. For more information go to [www.census.gov/econ/webinar](http://www.census.gov/econ/webinar).

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		
	Aug 2013 <sup>2</sup>	Jul 2013 <sup>f</sup>	Jun 2013	Jul - Aug <sup>2</sup>	Jun - Jul <sup>f</sup>	May - Jun	Aug 2013 <sup>2</sup>	Jul 2013 <sup>f</sup>	Aug 2012	2013	2012	Percent Change 2013/2012
<b>DURABLE GOODS</b>												
<b>Total:</b>												
Shipments.....	231,466	229,353	229,600	0.9	-0.1	-0.1	238,232	214,729	230,260	1,820,864	1,772,549	2.7
New Orders <sup>4</sup> .....	224,916	224,638	244,351	0.1	-8.1	3.9	223,156	206,172	203,101	1,798,227	1,727,867	4.1
<b>Excluding transportation:</b>												
Shipments.....	161,728	160,639	160,759	0.7	-0.1	0.1	166,056	158,258	163,222	1,285,532	1,273,202	1.0
New Orders <sup>4</sup> .....	157,007	157,193	157,964	-0.1	-0.5	0.1	156,856	151,148	148,608	1,254,762	1,219,367	2.9
<b>Excluding defense:</b>												
Shipments.....	219,082	217,650	217,308	0.7	0.2	-0.2	225,926	204,555	218,117	1,726,707	1,677,873	2.9
New Orders <sup>4</sup> .....	214,187	213,049	230,337	0.5	-7.5	2.9	214,474	198,104	195,089	1,718,427	1,632,093	5.3
<b>Manufacturing with unfilled orders:</b>												
Shipments.....	162,190	160,678	161,380	0.9	-0.4	-0.4	166,296	150,650	163,067	1,276,769	1,261,882	1.2
New Orders.....	162,558	162,824	182,839	-0.2	-10.9	5.2	158,184	150,533	142,944	1,309,028	1,274,166	2.7
<b>Primary metals:</b>												
Shipments.....	25,660	25,442	24,938	0.9	2.0	2.2	26,490	24,973	26,076	203,961	207,046	-1.5
New Orders.....	25,366	25,497	25,536	-0.5	-0.2	-1.4	25,746	24,898	24,263	206,622	201,680	2.5
<b>Fabricated metal products:</b>												
Shipments.....	28,987	28,940	28,859	0.2	0.3	-0.7	30,843	28,566	30,676	232,199	230,027	0.9
New Orders.....	30,219	30,121	29,743	0.3	1.3	0.4	30,711	28,565	29,929	242,713	235,787	2.9
<b>Machinery:</b>												
Shipments.....	33,705	33,585	34,109	0.4	-1.5	-2.0	33,829	32,837	33,840	273,779	265,166	3.2
New Orders.....	35,002	34,705	34,876	0.9	-0.5	0.9	34,063	33,876	29,648	279,001	261,672	6.6
<b>Computers and electronic products<sup>4</sup>:</b>												
Shipments.....	27,576	27,219	27,534	1.3	-1.1	1.1	26,811	26,491	26,729	214,843	224,043	-4.1
New Orders.....	20,775	21,498	22,069	-3.4	-2.6	-0.8	19,132	18,564	19,479	164,184	172,252	-4.7
<b>Computers and related products:</b>												
Shipments.....	2,220	2,000	2,393	11.0	-16.4	2.8	1,945	1,482	2,035	16,775	18,599	-9.8
New Orders.....	2,177	2,019	2,334	7.8	-13.5	0.0	1,902	1,501	2,174	16,929	18,655	-9.3
<b>Communications equipment:</b>												
Shipments.....	4,026	3,960	4,019	1.7	-1.5	-2.4	3,882	3,445	3,569	30,624	28,953	5.8
New Orders.....	4,168	4,242	4,563	-1.7	-7.0	-12.8	4,015	3,377	3,798	33,889	31,391	8.0
<b>Electrical equipment, appliances, and components:</b>												
Shipments.....	10,283	10,287	10,308	0.0	-0.2	-0.9	10,670	9,870	10,628	82,150	82,480	-0.4
New Orders.....	10,098	10,144	10,692	-0.5	-5.1	-0.1	10,280	9,694	10,556	83,243	83,071	0.2
<b>Transportation equipment:</b>												
Shipments.....	69,738	68,714	68,841	1.5	-0.2	-0.5	72,176	56,471	67,038	535,332	499,347	7.2
New Orders.....	67,909	67,445	86,387	0.7	-21.9	11.7	66,300	55,024	54,493	543,465	508,500	6.9
<b>Motor vehicles and parts:</b>												
Shipments.....	45,884	45,015	44,827	1.9	0.4	0.7	48,773	36,684	44,990	356,227	327,334	8.8
New Orders.....	46,032	44,943	44,764	2.4	0.4	0.1	48,768	36,355	44,716	355,762	325,935	9.2
<b>Nondefense aircraft and parts:</b>												
Shipments.....	11,514	12,132	11,996	-5.1	1.1	-4.7	11,020	10,057	9,755	85,189	77,867	9.4
New Orders.....	11,232	11,371	27,692	-1.2	-58.9	33.8	8,460	10,838	1,403	108,337	89,384	21.2
<b>Defense aircraft and parts:</b>												
Shipments.....	4,869	4,399	4,612	10.7	-4.6	-1.2	4,898	3,588	4,673	36,224	36,886	-1.8
New Orders.....	4,479	5,077	5,239	-11.8	-3.1	21.8	3,383	3,840	3,255	28,850	36,567	-21.1
<b>All other durable goods:</b>												
Shipments.....	35,517	35,166	35,011	1.0	0.4	0.8	37,413	35,521	35,273	278,600	264,440	5.4
New Orders.....	35,547	35,228	35,048	0.9	0.5	0.9	36,924	35,551	34,733	278,999	264,905	5.3
<b>Capital goods<sup>3</sup>:</b>												
Shipments.....	83,941	82,852	84,454	1.3	-1.9	-1.4	83,409	76,967	80,630	655,268	642,604	2.0
New Orders.....	84,285	85,000	103,795	-0.8	-18.1	9.0	77,517	76,907	65,577	685,053	659,451	3.9
<b>Nondefense capital goods:</b>												
Shipments.....	73,808	73,496	74,524	0.4	-1.4	-1.8	73,344	68,720	71,154	578,842	566,841	2.1
New Orders.....	75,908	76,038	92,049	-0.2	-17.4	6.9	70,576	70,463	59,634	620,400	581,741	6.6
<b>Excluding aircraft:</b>												
Shipments.....	65,794	64,926	65,856	1.3	-1.4	-1.0	65,453	61,622	64,273	520,138	514,291	1.1
New Orders.....	68,379	67,370	69,695	1.5	-3.3	1.1	65,167	62,272	60,798	540,157	519,366	4.0
<b>Defense capital goods:</b>												
Shipments.....	10,133	9,356	9,930	8.3	-5.8	1.7	10,065	8,247	9,476	76,426	75,763	0.9
New Orders.....	8,377	8,962	11,746	-6.5	-23.7	28.6	6,941	6,444	5,943	64,653	77,710	-16.8

<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 Change 2013/ 2012
	Aug 2013 <sup>2</sup>	Jul 2013 <sup>1</sup>	Jun 2013	Jul - Aug <sup>2</sup>	Jun - Jul <sup>1</sup>	May - Jun	Aug 2013 <sup>2</sup>	Jul 2013 <sup>1</sup>	Aug 2012	
<b><u>DURABLE GOODS</u></b>										
<b>Total:</b>										
Unfilled Orders <sup>4</sup> .....	1,032,391	1,032,023	1,029,877	0.0	0.2	2.1	1,023,123	1,031,235	967,258	5.8
Total Inventories.....	379,084	378,771	377,602	0.1	0.3	0.1	383,191	381,856	375,437	2.1
<b>Excluding transportation:</b>										
Unfilled Orders <sup>4</sup> .....	398,237	396,040	392,625	0.6	0.9	1.0	395,461	397,697	380,300	4.0
Total Inventories.....	261,804	261,859	261,335	0.0	0.2	0.0	264,365	263,604	264,729	-0.1
<b>Excluding defense:</b>										
Unfilled Orders <sup>4</sup> .....	833,595	831,572	829,312	0.2	0.3	2.4	827,126	831,614	767,005	7.8
Total Inventories.....	351,437	350,275	349,323	0.3	0.3	0.0	355,675	353,288	348,699	2.0
<b>Manufacturing with unfilled orders:</b>										
Unfilled Orders.....	1,032,391	1,032,023	1,029,877	0.0	0.2	2.1	1,023,123	1,031,235	967,258	5.8
Total Inventories.....	310,577	310,275	308,683	0.1	0.5	0.2	314,150	313,296	305,471	2.8
<b>Primary metals:</b>										
Unfilled Orders.....	35,305	35,599	35,544	-0.8	0.2	1.7	34,788	35,532	32,591	6.7
Total Inventories.....	34,892	34,919	34,896	-0.1	0.1	0.2	35,057	35,091	36,282	-3.4
<b>Fabricated metal products:</b>										
Unfilled Orders.....	90,021	88,789	87,608	1.4	1.3	1.0	89,466	89,598	79,363	12.7
Total Inventories.....	47,364	47,326	47,161	0.1	0.3	0.1	47,626	47,854	47,467	0.3
<b>Machinery:</b>										
Unfilled Orders.....	107,507	106,210	105,090	1.2	1.1	0.7	107,012	106,778	110,952	-3.6
Total Inventories.....	65,885	65,874	65,536	0.0	0.5	-0.8	66,619	66,123	67,930	-1.9
<b>Computers and electronic products<sup>4</sup>:</b>										
Unfilled Orders.....	135,965	135,848	134,708	0.1	0.8	0.9	134,899	135,614	128,590	4.9
Total Inventories.....	46,374	46,650	46,835	-0.6	-0.4	0.6	47,374	47,224	46,924	1.0
<b>Computers and related products:</b>										
Unfilled Orders.....	3,381	3,424	3,405	-1.3	0.6	-1.7	3,381	3,424	2,799	20.8
Total Inventories.....	4,550	4,585	4,693	-0.8	-2.3	1.4	4,778	4,659	4,652	2.7
<b>Communications equipment:</b>										
Unfilled Orders.....	33,969	33,827	33,545	0.4	0.8	1.6	33,695	33,562	28,977	16.3
Total Inventories.....	7,446	7,352	7,454	1.3	-1.4	0.2	7,554	7,358	7,889	-4.2
<b>Electrical equipment, appliances, and components:</b>										
Unfilled Orders.....	22,069	22,254	22,397	-0.8	-0.6	1.7	22,067	22,457	21,624	2.0
Total Inventories.....	16,911	16,828	16,799	0.5	0.2	1.2	17,045	17,003	16,449	3.6
<b>Transportation equipment:</b>										
Unfilled Orders.....	634,154	635,983	637,252	-0.3	-0.2	2.8	627,662	633,538	586,958	6.9
Total Inventories.....	117,280	116,912	116,267	0.3	0.6	0.4	118,826	118,252	110,708	7.3
<b>Motor vehicles and parts:</b>										
Unfilled Orders.....	16,842	16,694	16,766	0.9	-0.4	-0.4	16,320	16,325	16,478	-1.0
Total Inventories.....	25,137	24,965	25,005	0.7	-0.2	-0.4	25,382	25,209	25,943	-2.2
<b>Nondefense Aircraft and parts:</b>										
Unfilled Orders.....	458,135	458,417	459,178	-0.1	-0.2	3.5	454,504	457,064	408,825	11.2
Total Inventories.....	63,982	63,186	62,699	1.3	0.8	0.5	65,198	64,088	56,990	14.4
<b>Defense Aircraft and parts:</b>										
Unfilled Orders.....	66,909	67,299	66,621	-0.6	1.0	1.0	64,985	66,500	65,203	-0.3
Total Inventories.....	13,464	13,972	13,702	-3.6	2.0	-1.3	13,505	14,066	13,254	1.9
<b>All other durable goods:</b>										
Unfilled Orders.....	7,370	7,340	7,278	0.4	0.9	0.5	7,229	7,718	7,180	0.7
Total Inventories.....	50,378	50,262	50,108	0.2	0.3	0.0	50,644	50,309	49,677	1.9
<b>Capital goods<sup>3</sup>:</b>										
Unfilled Orders.....	777,933	777,589	775,441	0.0	0.3	2.6	770,999	776,891	722,790	6.7
Total Inventories.....	194,624	194,493	193,846	0.1	0.3	0.3	197,469	195,898	190,249	3.8
<b>Nondefense capital goods:</b>										
Unfilled Orders.....	610,356	608,256	605,714	0.3	0.4	3.0	604,829	607,597	552,386	9.5
Total Inventories.....	172,112	171,367	170,801	0.4	0.3	0.0	175,129	172,794	168,755	3.8
<b>Excluding aircraft:</b>										
Unfilled Orders.....	229,758	227,173	224,729	1.1	1.1	1.7	227,858	228,144	215,130	5.9
Total Inventories.....	119,590	119,561	119,457	0.0	0.1	-0.2	121,455	120,245	122,489	-0.8
<b>Defense capital goods:</b>										
Unfilled Orders.....	167,577	169,333	169,727	-1.0	-0.2	1.1	166,170	169,294	170,404	-2.5
Total Inventories.....	22,512	23,126	23,045	-2.7	0.4	2.7	22,340	23,104	21,494	3.9

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>.