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

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

New Orders

New orders for manufactured durable goods in September increased \$8.2 billion or 3.7 percent to \$233.4 billion, the U.S. Census Bureau announced today. This increase, up five of the last six months, followed a 0.2 percent August increase. Excluding transportation, new orders decreased 0.1 percent. Excluding defense, new orders increased 3.2 percent.

Transportation equipment, also up five of the last six months, drove the increase, \$8.4 billion or 12.3 percent to \$77.0 billion. This was led by nondefense aircraft and parts, which increased \$6.9 billion.

Shipments

Shipments of manufactured durable goods in September, up two consecutive months, increased \$0.5 billion or 0.2 percent to \$231.8 billion. This was at the highest level since the series was first published on a NAICS basis in 1992, and followed a 0.8 percent August increase.

Primary metals, up five of the last six months, led the increase, \$0.2 billion or 0.8 percent to \$25.8 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in September, up seven of the last eight months, increased \$8.6 billion or 0.8 percent to \$1,041.2 billion. This was at the highest level since the series was first published on a NAICS basis, and followed a 0.1 percent August increase.

Transportation equipment, up following two consecutive monthly decreases, led the increase, \$7.3 billion or 1.1 percent to \$642.1 billion.

Inventories

Inventories of manufactured durable goods in September, up five of the last six months, increased \$3.3 billion or 0.9 percent to \$382.7 billion. This was at the highest level since the series was first published on a NAICS basis, and followed a 0.1 percent August increase.

Transportation equipment, up sixteen of the last seventeen months, led the increase, \$1.8 billion or 1.5 percent to \$119.0 billion.

Capital Goods

Nondefense new orders for capital goods in September increased \$5.2 billion or 6.9 percent to \$80.7 billion. Shipments increased \$0.3 billion or 0.4 percent to \$74.0 billion. Unfilled orders increased \$6.7 billion or 1.1 percent to \$616.7 billion. Inventories increased \$1.4 billion or 0.8 percent to \$173.6 billion.

Defense new orders for capital goods in September increased \$1.2 billion or 13.4 percent to \$9.8 billion. Shipments decreased \$0.6 billion or 6.0 percent to \$9.6 billion. Unfilled orders increased \$0.1 billion or 0.1 percent to \$167.8 billion. Inventories increased \$0.8 billion or 3.8 percent to \$23.0 billion.

Revised August Data

Due to the lapse in funding, seasonally adjusted August figures for all manufacturing industries were not released on October 3, 2013. Though a statement of revisions to these figures will not be available until a combined August/September Full Report is released on November 4, 2013, seasonally adjusted August figures for durable goods industries are revised in this report.

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 November 4, 2013, at 10:00 a.m. EST. The advance report on durable goods for October is scheduled for release on November 27, 2013, at 8:30 a.m. EST. 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.

Table 1. Durable Goods Manufacturers' Shipments and New Orders ¹

[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		
	Sep 2013 ²	Aug 2013 ¹	Jul 2013	Aug - Sep ²	Jul - Aug ¹	Jun - Jul	Sep 2013 ²	Aug 2013 ¹	Sep 2012	2013	2012	Percent Change 2013/2012
DURABLE GOODS												
Total:												
Shipments.....	231,808	231,322	229,401	0.2	0.8	-0.1	240,668	237,918	227,995	2,061,315	2,000,544	3.0
New Orders ⁴	233,411	225,164	224,620	3.7	0.2	-8.1	242,025	222,344	221,715	2,039,534	1,949,582	4.6
Excluding transportation:												
Shipments.....	162,031	161,515	160,683	0.3	0.5	0.0	167,786	165,777	161,271	1,453,139	1,434,473	1.3
New Orders ⁴	156,366	156,542	157,178	-0.1	-0.4	-0.5	159,896	156,236	150,325	1,414,122	1,369,692	3.2
Excluding defense:												
Shipments.....	219,727	218,809	217,704	0.4	0.5	0.2	227,325	225,464	214,329	1,953,668	1,892,202	3.2
New Orders ⁴	221,323	214,413	213,042	3.2	0.6	-7.5	228,225	213,648	207,486	1,945,924	1,839,579	5.8
Manufacturing with unfilled orders:												
Shipments.....	162,467	162,145	160,721	0.2	0.9	-0.4	169,362	166,091	163,155	1,446,037	1,425,037	1.5
New Orders.....	171,027	162,857	162,799	5.0	0.0	-11.0	177,423	157,461	163,796	1,485,836	1,437,962	3.3
Primary metals:												
Shipments.....	25,822	25,609	25,436	0.8	0.7	2.0	25,678	26,462	24,311	229,603	231,357	-0.8
New Orders.....	26,161	25,470	25,499	2.7	-0.1	-0.1	25,218	25,717	23,422	231,816	225,102	3.0
Fabricated metal products:												
Shipments.....	28,946	28,877	28,964	0.2	-0.3	0.4	29,956	30,680	29,031	262,069	259,058	1.2
New Orders.....	29,960	30,240	30,129	-0.9	0.4	1.3	29,590	30,733	28,546	272,366	264,333	3.0
Machinery:												
Shipments.....	33,916	33,791	33,577	0.4	0.6	-1.6	34,606	33,867	33,390	308,423	298,556	3.3
New Orders.....	34,405	35,049	34,681	-1.8	1.1	-0.6	34,687	33,863	30,237	313,488	291,909	7.4
Computers and electronic products⁴:												
Shipments.....	27,818	27,610	27,238	0.8	1.4	-1.1	30,596	26,876	30,281	245,507	254,324	-3.5
New Orders.....	20,425	20,299	21,460	0.6	-5.4	-2.8	23,992	18,842	24,395	187,877	196,647	-4.5
Computers and related products:												
Shipments.....	2,318	2,233	2,017	3.8	10.7	-15.7	3,241	2,008	3,283	20,079	21,882	-8.2
New Orders.....	2,308	2,154	2,036	7.1	5.8	-12.8	3,231	1,929	3,346	20,187	22,001	-8.2
Communications equipment:												
Shipments.....	4,016	4,008	3,956	0.2	1.3	-1.6	4,655	3,855	4,279	35,252	33,232	6.1
New Orders.....	4,272	4,000	4,194	6.8	-4.6	-8.1	5,326	3,752	4,838	38,952	36,229	7.5
Electrical equipment, appliances, and components:												
Shipments.....	9,867	10,017	10,298	-1.5	-2.7	-0.1	10,306	10,375	10,524	92,186	93,004	-0.9
New Orders.....	9,798	9,823	10,172	-0.3	-3.4	-4.9	9,819	10,022	9,946	92,844	93,017	-0.2
Transportation equipment:												
Shipments.....	69,777	69,807	68,718	0.0	1.6	-0.2	72,882	72,141	66,724	608,176	566,071	7.4
New Orders.....	77,045	68,622	67,442	12.3	1.7	-21.9	82,129	66,108	71,390	625,412	579,890	7.9
Motor vehicles and parts:												
Shipments.....	45,851	45,824	45,009	0.1	1.8	0.4	46,695	48,606	40,899	402,741	368,233	9.4
New Orders.....	45,738	45,895	44,963	-0.3	2.1	0.4	46,468	48,588	40,720	402,076	366,655	9.7
Nondefense aircraft and parts:												
Shipments.....	12,029	11,530	12,133	4.3	-5.0	1.1	12,910	11,021	12,265	98,100	90,132	8.8
New Orders.....	18,876	11,986	11,371	57.5	5.4	-58.9	21,315	8,455	16,454	129,647	105,838	22.5
Defense aircraft and parts:												
Shipments.....	4,711	4,859	4,396	-3.0	10.5	-4.7	5,342	4,892	5,398	41,558	42,284	-1.7
New Orders.....	5,162	4,481	5,066	15.2	-11.5	-3.3	6,286	3,261	6,770	35,009	43,337	-19.2
All other durable goods:												
Shipments.....	35,662	35,611	35,170	0.1	1.3	0.5	36,644	37,517	33,734	315,351	298,174	5.8
New Orders.....	35,617	35,661	35,237	-0.1	1.2	0.5	36,590	37,059	33,779	315,731	298,684	5.7
Capital goods³:												
Shipments.....	83,611	83,903	82,859	-0.3	1.3	-1.9	88,676	83,345	86,509	743,879	729,113	2.0
New Orders.....	90,452	84,104	84,908	7.5	-0.9	-18.2	96,488	76,837	88,003	780,828	747,454	4.5
Nondefense capital goods:												
Shipments.....	73,967	73,642	73,506	0.4	0.2	-1.4	78,115	73,126	75,508	656,737	642,349	2.2
New Orders.....	80,677	75,484	75,946	6.9	-0.6	-17.5	85,597	69,760	76,896	705,147	658,637	7.1
Excluding aircraft:												
Shipments.....	65,519	65,626	64,936	-0.2	1.1	-1.4	69,209	65,235	66,832	589,127	581,123	1.4
New Orders.....	66,850	67,576	67,278	-1.1	0.4	-3.5	69,336	64,351	64,221	608,643	583,587	4.3
Defense capital goods:												
Shipments.....	9,644	10,261	9,353	-6.0	9.7	-5.8	10,561	10,219	11,001	87,142	86,764	0.4
New Orders.....	9,775	8,620	8,962	13.4	-3.8	-23.7	10,891	7,077	11,107	75,681	88,817	-14.8

¹ Revised data due to late receipts and concurrent seasonal adjustment.² 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.³ 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>.⁴ 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.

⁵ 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 ¹

[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
	Sep 2013 ²	Aug 2013 ^f	Jul 2013	Aug - Sep ²	Jul - Aug ^f	Jun - Jul	Sep 2013 ²	Aug 2013 ^f	Sep 2012	
<u>DURABLE GOODS</u>										
Total:										
Unfilled Orders ⁴	1,041,227	1,032,667	1,031,955	0.8	0.1	0.2	1,030,663	1,022,602	967,899	6.5
Total Inventories.....	382,669	379,323	378,829	0.9	0.1	0.3	381,566	382,789	371,027	2.8
Excluding transportation:										
Unfilled Orders ⁴	399,168	397,876	395,979	0.3	0.5	0.9	393,898	395,084	376,275	4.7
Total Inventories.....	263,671	262,081	261,931	0.6	0.1	0.2	262,548	264,238	261,632	0.4
Excluding defense:										
Unfilled Orders ⁴	842,536	833,983	831,509	1.0	0.3	0.3	834,346	826,742	767,083	8.8
Total Inventories.....	354,689	352,080	350,338	0.7	0.5	0.3	353,783	355,657	344,895	2.6
Manufacturing with unfilled orders:										
Unfilled Orders.....	1,041,227	1,032,667	1,031,955	0.8	0.1	0.2	1,030,663	1,022,602	967,899	6.5
Total Inventories.....	313,602	310,654	310,317	0.9	0.1	0.5	312,533	313,653	301,889	3.5
Primary metals:										
Unfilled Orders.....	35,807	35,468	35,607	1.0	-0.4	0.2	34,340	34,800	31,702	8.3
Total Inventories.....	35,164	35,003	34,925	0.5	0.2	0.1	35,141	35,063	36,266	-3.1
Fabricated metal products:										
Unfilled Orders.....	91,150	90,136	88,773	1.1	1.5	1.3	89,249	89,615	78,878	13.1
Total Inventories.....	47,619	47,430	47,321	0.4	0.2	0.3	47,464	47,643	47,171	0.6
Machinery:										
Unfilled Orders.....	107,941	107,452	106,194	0.5	1.2	1.1	106,855	106,774	107,799	-0.9
Total Inventories.....	66,428	65,921	65,864	0.8	0.1	0.5	65,956	66,510	66,761	-1.2
Computers and electronic products⁴:										
Unfilled Orders.....	134,912	135,348	135,789	-0.3	-0.3	0.8	134,612	134,512	129,625	3.8
Total Inventories.....	47,040	46,466	46,634	1.2	-0.4	-0.4	46,861	47,352	45,852	2.2
Computers and related products:										
Unfilled Orders.....	3,335	3,345	3,424	-0.3	-2.3	0.6	3,335	3,345	2,862	16.5
Total Inventories.....	4,501	4,510	4,583	-0.2	-1.6	-2.3	4,470	4,748	4,294	4.1
Communications equipment:										
Unfilled Orders.....	34,031	33,775	33,783	0.8	0.0	0.7	34,130	33,459	29,536	15.6
Total Inventories.....	7,595	7,474	7,355	1.6	1.6	-1.3	7,524	7,569	7,762	-3.1
Electrical equipment, appliances, and components:										
Unfilled Orders.....	22,008	22,077	22,271	-0.3	-0.9	-0.6	21,632	22,119	21,046	2.8
Total Inventories.....	16,988	16,861	16,924	0.8	-0.4	0.7	16,706	16,956	16,199	3.1
Transportation equipment:										
Unfilled Orders.....	642,059	634,791	635,976	1.1	-0.2	-0.2	636,765	627,518	591,624	7.6
Total Inventories.....	118,998	117,242	116,898	1.5	0.3	0.5	119,018	118,551	109,395	8.8
Motor vehicles and parts:										
Unfilled Orders.....	16,678	16,791	16,720	-0.7	0.4	-0.3	16,120	16,347	16,299	-1.1
Total Inventories.....	25,517	25,238	24,967	1.1	1.1	-0.2	25,671	25,449	25,669	0.0
Nondefense Aircraft and parts:										
Unfilled Orders.....	465,719	458,872	458,416	1.5	0.1	-0.2	462,903	454,498	413,014	12.1
Total Inventories.....	65,062	64,210	63,186	1.3	1.6	0.8	64,986	65,198	56,644	14.7
Defense Aircraft and parts:										
Unfilled Orders.....	67,364	66,913	67,291	0.7	-0.6	1.0	65,810	64,866	66,575	-1.1
Total Inventories.....	13,459	13,440	13,967	0.1	-3.8	1.9	13,510	13,499	12,831	5.3
All other durable goods:										
Unfilled Orders.....	7,350	7,395	7,345	-0.6	0.7	0.9	7,210	7,264	7,225	-0.2
Total Inventories.....	50,432	50,400	50,263	0.1	0.3	0.3	50,420	50,714	49,383	2.1
Capital goods³:										
Unfilled Orders.....	784,532	777,691	777,490	0.9	0.0	0.3	778,163	770,351	724,284	7.4
Total Inventories.....	196,544	194,296	194,475	1.2	-0.1	0.3	195,699	196,718	186,997	4.7
Nondefense capital goods:										
Unfilled Orders.....	616,706	609,996	608,154	1.1	0.3	0.4	611,681	604,199	553,774	10.5
Total Inventories.....	173,566	172,164	171,349	0.8	0.5	0.3	172,969	174,756	166,054	4.2
Excluding aircraft:										
Unfilled Orders.....	230,352	229,021	227,071	0.6	0.9	1.0	227,355	227,228	212,519	7.0
Total Inventories.....	120,226	119,457	119,543	0.6	-0.1	0.1	119,533	121,082	120,004	-0.4
Defense capital goods:										
Unfilled Orders.....	167,826	167,695	169,336	0.1	-1.0	-0.2	166,482	166,152	170,510	-2.4
Total Inventories.....	22,978	22,132	23,126	3.8	-4.3	0.4	22,730	21,962	20,943	8.5

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>.