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Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders September 2010

New Orders

New orders for manufactured durable goods in September increased \$6.3 billion or 3.3 percent to \$199.2 billion, the U.S. Census Bureau announced today. Up two of the last three months, this increase followed a 1.0 percent August decrease. Excluding transportation, new orders decreased 0.8 percent. Excluding defense, new orders increased 2.9 percent.

Transportation equipment, also up two of the last three months, had the largest increase, \$7.4 billion or 15.7 percent to \$54.8 billion. This was due to nondefense aircraft and parts, which increased \$6.6 billion.

Shipments

Shipments of manufactured durable goods in September, down two consecutive months, decreased \$0.9 billion or 0.4 percent to \$197.4 billion. This followed a 1.4 percent August decrease.

Computers and electronic products, down four of the last five months, had the largest decrease, \$0.8 billion or 2.3 percent to \$33.4 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in September, up six consecutive months, increased \$7.9 billion or 1.0 percent to \$813.2 billion. This followed a 0.1 percent August increase.

Transportation equipment, up following four consecutive monthly decreases, had the largest increase, \$5.8 billion or 1.2 percent to \$480.0 billion.

Inventories

Inventories of manufactured durable goods in September, up nine consecutive months, increased \$1.7 billion or 0.5 percent to \$314.7 billion. This followed a 0.6 percent August increase.

Transportation equipment, also up nine consecutive months, had the largest increase, \$1.2 billion or 1.5 percent to \$82.7 billion.

Capital Goods

Nondefense new orders for capital goods in September increased \$5.7 billion or 8.6 percent to \$71.9 billion. Shipments decreased \$0.5 billion or 0.7 percent to \$64.7 billion. Unfilled orders increased \$7.2 billion or 1.5 percent to \$496.0 billion. Inventories increased \$1.8 billion or 1.3 percent to \$133.0 billion.

Defense new orders for capital goods in September increased \$0.8 billion or 8.0 percent to \$10.1 billion. Shipments increased \$0.5 billion or 5.7 percent to \$9.7 billion. Unfilled orders increased \$0.4 billion or 0.3 percent to \$140.3 billion. Inventories decreased \$0.1 billion or 0.5 percent to \$17.5 billion.

Revised August Data

Revised seasonally adjusted August figures for all manufacturing industries were: new orders, \$410.3 billion (revised from \$408.9 billion); shipments, \$415.8 billion (revised from \$415.1 billion); unfilled orders, \$805.3 billion (revised from \$804.0 billion); and total inventories, \$526.9 billion (revised from \$526.4 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 November 3, 2010, at 10:00 a.m. EDT. The advance report on durable goods for October is scheduled for release on November 24, 2010, at 8:30 a.m. EST. See back page for survey description and 2011 release schedule.

Table 1. Durable Goods Manufacturers' Shipments and New Orders¹

[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 2010 ²	Aug 2010 ^r	Jul 2010	Aug - Sep ²	Jul - Aug ^r	Jun - Jul	Sep 2010 ²	Aug 2010 ^r	Sep 2009	2010	2009	Change 10/09
DURABLE GOODS												
Total:												
Shipments.....	197,412	198,294	201,103	-0.4	-1.4	2.5	210,563	203,648	198,742	1,759,996	1,628,672	8.1
New Orders ⁴	199,155	192,846	194,700	3.3	-1.0	1.2	211,989	195,418	188,156	1,724,246	1,498,817	15.0
Excluding transportation:												
Shipments.....	148,463	149,090	148,480	-0.4	0.4	1.1	156,815	152,649	142,723	1,323,445	1,206,285	9.7
New Orders ⁴	144,384	145,498	142,805	-0.8	1.9	-2.1	153,612	147,960	140,638	1,295,468	1,134,569	14.2
Excluding defense:												
Shipments.....	185,237	186,438	188,926	-0.6	-1.3	2.7	197,242	192,157	183,339	1,646,083	1,510,752	9.0
New Orders ⁴	186,077	180,830	182,463	2.9	-0.9	1.3	198,416	184,944	174,655	1,612,083	1,391,364	15.9
Manufacturing with unfilled orders:												
Shipments.....	143,612	143,628	145,407	0.0	-1.2	1.1	154,369	147,517	146,380	1,282,489	1,185,634	8.2
New Orders.....	151,475	144,750	145,683	4.6	-0.6	0.7	160,802	145,333	139,526	1,297,921	1,097,244	18.3
Primary metals:												
Shipments.....	20,116	19,909	19,789	1.0	0.6	-0.2	21,206	21,181	16,363	180,479	133,319	35.4
New Orders.....	19,800	19,896	20,249	-0.5	-1.7	5.0	20,280	21,463	16,087	182,576	130,062	40.4
Fabricated metal products:												
Shipments.....	27,220	27,288	27,034	-0.2	0.9	-1.4	29,047	29,539	27,688	246,588	234,785	5.0
New Orders.....	27,029	27,461	27,107	-1.6	1.3	-1.4	28,347	29,211	27,139	247,938	225,536	9.9
Machinery:												
Shipments.....	25,549	25,163	24,346	1.5	3.4	-3.2	26,653	24,530	23,109	221,338	208,294	6.3
New Orders.....	27,455	26,911	25,566	2.0	5.3	-9.8	29,114	25,905	24,500	235,962	195,677	20.6
Computers and electronic products⁴:												
Shipments.....	33,373	34,174	34,383	-2.3	-0.6	8.6	35,551	32,643	32,191	290,485	259,069	12.1
New Orders.....	27,263	28,387	27,398	-4.0	3.6	-0.3	31,252	26,934	30,019	239,650	214,974	11.5
Computers and related products:												
Shipments.....	6,598	6,554	6,352	0.7	3.2	4.8	7,158	5,955	5,429	53,054	46,038	15.2
New Orders.....	6,738	6,608	5,946	2.0	11.1	-6.4	7,298	6,009	6,331	53,155	45,297	17.3
Communications equipment:												
Shipments.....	3,499	3,470	3,560	0.8	-2.5	2.8	4,188	3,364	4,537	31,823	32,538	-2.2
New Orders.....	3,231	3,971	3,610	-18.6	10.0	11.8	4,144	4,024	4,990	31,070	33,386	-6.9
Electrical equipment, appliances, and components:												
Shipments.....	9,516	9,637	9,598	-1.3	0.4	0.9	10,122	10,049	9,430	85,385	80,698	5.8
New Orders.....	9,982	9,943	9,625	0.4	3.3	-4.5	10,173	10,116	9,055	89,308	78,962	13.1
Transportation equipment:												
Shipments.....	48,949	49,204	52,623	-0.5	-6.5	6.8	53,748	50,999	56,019	436,551	422,387	3.4
New Orders.....	54,771	47,348	51,895	15.7	-8.8	11.6	58,377	47,458	47,518	428,778	364,248	17.7
Motor vehicles and parts:												
Shipments.....	30,442	30,627	32,629	-0.6	-6.1	4.6	33,227	32,984	31,335	269,387	240,308	12.1
New Orders.....	30,537	30,668	32,318	-0.4	-5.1	4.6	33,278	32,690	31,030	268,064	238,362	12.5
Nondefense aircraft and parts:												
Shipments.....	7,022	7,454	8,616	-5.8	-13.5	29.7	7,544	7,320	9,777	61,653	70,594	-12.7
New Orders.....	12,849	6,268	8,949	105.0	-30.0	69.1	13,190	5,343	4,126	63,650	31,920	99.4
Defense aircraft and parts:												
Shipments.....	5,093	4,979	5,010	2.3	-0.6	-4.0	5,884	4,727	7,089	47,271	47,871	-1.3
New Orders.....	6,278	4,829	4,795	30.0	0.7	-9.4	6,629	3,786	5,343	47,276	45,077	4.9
All other durable goods:												
Shipments.....	32,689	32,919	33,330	-0.7	-1.2	0.2	34,236	34,707	33,942	299,170	290,120	3.1
New Orders.....	32,855	32,900	32,860	-0.1	0.1	-0.8	34,446	34,331	33,838	300,034	289,358	3.7
Capital goods³:												
Shipments.....	74,406	74,335	75,228	0.1	-1.2	2.4	79,721	72,918	77,296	655,064	627,129	4.5
New Orders.....	82,037	75,568	75,051	8.6	0.7	-0.8	86,564	71,495	70,989	665,633	552,194	20.5
Nondefense capital goods:												
Shipments.....	64,698	65,149	65,641	-0.7	-0.7	3.0	69,368	63,872	64,930	563,728	531,591	6.0
New Orders.....	71,890	66,173	65,505	8.6	1.0	-0.7	76,428	63,102	60,160	576,663	466,051	23.7
Excluding aircraft:												
Shipments.....	60,861	60,634	59,876	0.4	1.3	0.0	65,280	59,474	58,285	527,825	486,985	8.4
New Orders.....	62,408	62,813	59,953	-0.6	4.8	-5.3	66,856	60,594	59,012	538,741	461,991	16.6
Defense capital goods:												
Shipments.....	9,708	9,186	9,587	5.7	-4.2	-1.5	10,353	9,046	12,366	91,336	95,538	-4.4
New Orders.....	10,147	9,395	9,546	8.0	-1.6	-1.2	10,136	8,393	10,829	88,970	86,143	3.3

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, 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 Inventories¹

[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
	Sep 2010 ²	Aug 2010 ^r	Jul 2010	Aug - Sep ²	Jul - Aug ^r	Jun - Jul	Sep 2010 ²	Aug 2010 ^r	Sep 2009	2010/2009
DURABLE GOODS										
Total:										
Unfilled Orders ⁴	813,158	805,295	804,173	1.0	0.1	0.0	808,118	801,685	804,260	0.5
Total Inventories.....	314,715	313,047	311,100	0.5	0.6	0.6	313,649	315,100	295,754	6.1
Excluding transportation:										
Unfilled Orders ⁴	333,166	331,125	328,147	0.6	0.9	0.3	332,934	331,130	312,440	6.6
Total Inventories.....	232,049	231,630	230,723	0.2	0.4	0.6	231,209	233,037	220,567	4.8
Excluding defense:										
Unfilled Orders ⁴	658,622	651,662	650,700	1.1	0.1	0.0	656,316	650,135	646,413	1.5
Total Inventories.....	291,924	290,193	287,873	0.6	0.8	0.6	290,888	292,301	272,973	6.6
Manufacturing with unfilled orders:										
Unfilled Orders.....	813,158	805,295	804,173	1.0	0.1	0.0	808,118	801,685	804,260	0.5
Total Inventories.....	256,048	254,401	252,753	0.6	0.7	0.6	255,357	256,121	238,241	7.2
Primary metals:										
Unfilled Orders.....	18,171	18,487	18,500	-1.7	-0.1	2.5	18,468	19,394	16,679	10.7
Total Inventories.....	30,529	30,607	30,826	-0.3	-0.7	-0.2	30,942	30,918	27,144	14.0
Fabricated metal products:										
Unfilled Orders.....	53,861	54,052	53,879	-0.4	0.3	0.1	53,424	54,124	52,864	1.1
Total Inventories.....	41,948	42,068	41,972	-0.3	0.2	0.6	41,854	42,085	39,694	5.4
Machinery:										
Unfilled Orders.....	101,543	99,637	97,889	1.9	1.8	1.3	101,790	99,329	87,841	15.9
Total Inventories.....	51,954	51,709	51,300	0.5	0.8	1.6	51,451	51,772	50,351	2.2
Computers and electronic products⁴:										
Unfilled Orders.....	122,103	122,093	121,310	0.0	0.6	-0.3	121,856	121,148	122,215	-0.3
Total Inventories.....	45,459	45,439	45,246	0.0	0.4	0.1	44,950	46,188	43,128	4.2
Computers and related products:										
Unfilled Orders.....	5,472	5,332	5,278	2.6	1.0	-7.1	5,472	5,332	4,777	14.5
Total Inventories.....	4,560	4,734	4,862	-3.7	-2.6	-2.0	4,558	5,019	4,353	4.7
Communications equipment:										
Unfilled Orders.....	27,945	28,213	27,712	-0.9	1.8	0.2	28,021	28,065	29,360	-4.6
Total Inventories.....	8,044	8,086	8,054	-0.5	0.4	1.5	7,865	8,120	7,536	4.4
Electrical equipment, appliances, and components:										
Unfilled Orders.....	25,147	24,681	24,375	1.9	1.3	0.1	25,024	24,973	21,553	16.1
Total Inventories.....	14,764	14,623	14,444	1.0	1.2	1.6	14,645	14,738	13,554	8.0
Transportation equipment:										
Unfilled Orders.....	479,992	474,170	476,026	1.2	-0.4	-0.2	475,184	470,555	491,820	-3.4
Total Inventories.....	82,666	81,417	80,377	1.5	1.3	0.4	82,440	82,063	75,187	9.6
Motor vehicles and parts:										
Unfilled Orders.....	13,613	13,518	13,477	0.7	0.3	-2.3	13,325	13,274	14,282	-6.7
Total Inventories.....	21,044	21,145	20,939	-0.5	1.0	0.9	20,949	21,282	17,825	17.5
Nondefense Aircraft and parts:										
Unfilled Orders.....	327,822	321,995	323,181	1.8	-0.4	0.1	325,562	319,916	327,344	-0.5
Total Inventories.....	39,154	37,769	36,682	3.7	3.0	0.5	39,071	38,133	33,384	17.0
Defense Aircraft and parts:										
Unfilled Orders.....	48,748	47,563	47,713	2.5	-0.3	-0.4	47,753	47,008	48,239	-1.0
Total Inventories.....	11,911	12,031	12,106	-1.0	-0.6	0.6	11,973	12,091	12,063	-0.7
All other durable goods:										
Unfilled Orders.....	12,341	12,175	12,194	1.4	-0.2	-3.7	12,372	12,162	11,288	9.6
Total Inventories.....	47,395	47,184	46,935	0.4	0.5	0.2	47,367	47,336	46,696	1.4
Capital goods³:										
Unfilled Orders.....	636,304	628,673	627,440	1.2	0.2	0.0	631,021	624,178	630,530	0.1
Total Inventories.....	150,485	148,820	147,637	1.1	0.8	0.7	149,402	149,935	140,773	6.1
Nondefense capital goods:										
Unfilled Orders.....	495,968	488,776	487,752	1.5	0.2	0.0	493,104	486,044	486,255	1.4
Total Inventories.....	133,034	131,275	129,702	1.3	1.2	0.7	132,043	132,505	123,422	7.0
Excluding aircraft:										
Unfilled Orders.....	198,527	196,980	194,801	0.8	1.1	0.0	197,778	196,202	188,872	4.7
Total Inventories.....	102,113	101,832	101,304	0.3	0.5	0.8	101,144	102,800	98,329	2.9
Defense capital goods:										
Unfilled Orders.....	140,336	139,897	139,688	0.3	0.1	0.0	137,917	138,134	144,275	-4.4
Total Inventories.....	17,451	17,545	17,935	-0.5	-2.2	0.2	17,359	17,430	17,351	0.0

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 64 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>.

2011 Release Dates for M3 Survey

Survey Month	Advance 8:30 A.M.	Preliminary 10:00 A.M.
November 2010	Dec. 23, 2010	Jan. 4, 2011
December 2010	Jan. 27, 2011	Feb. 3, 2011
January 2011	Feb. 24, 2011	Mar. 4, 2011
February 2011	Mar. 24, 2011	Mar. 31, 2011
March 2011	Apr. 27, 2011	May 3, 2011
April 2011	May 25, 2011	Jun. 2, 2011
May 2011	Jun. 24, 2011	Jul. 5, 2011
June 2011	Jul. 27, 2011	Aug. 3, 2011
July 2011	Aug. 24, 2011	Aug. 31, 2011
August 2011	Sep. 28, 2011	Oct. 4, 2011
September 2011	Oct. 26, 2011	Nov. 3, 2011
October 2011	Nov. 23, 2011	Dec. 5, 2011
November 2011	Dec. 23, 2011	