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

New Orders

New orders for manufactured durable goods in January decreased \$9.0 billion or 5.2 percent to \$163.8 billion, the U.S. Census Bureau announced today. This was the sixth consecutive monthly decrease and followed a 4.6 percent December decrease. Excluding transportation, new orders decreased 2.5 percent. Excluding defense, new orders decreased 2.3 percent.

Transportation equipment, down five of the last six months, had the largest decrease, \$5.7 billion or 13.5 percent to \$36.7 billion.

Shipments

Shipments of manufactured durable goods in January, down six consecutive months, decreased \$6.9 billion or 3.7 percent to \$183.1 billion. This followed a 1.4 percent December decrease.

Machinery, down three of the last four months, had the largest decrease, \$2.4 billion or 8.6 percent to \$26.2 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in January, down four consecutive months, decreased \$15.3 billion or 1.9 percent to \$785.0 billion. This was the largest percent decrease in unfilled orders since January 2002 and followed a 1.5 percent December decrease.

Transportation equipment, down four consecutive months, had the largest decrease, \$8.5 billion or 1.8 percent to \$454.8 billion.

Inventories

Inventories of manufactured durable goods in January, down following sixteen consecutive monthly increases, decreased \$2.8 billion or 0.8 percent to \$340.7 billion. This followed a 0.4 percent December increase.

Transportation equipment, down following three consecutive monthly increases, had the largest decrease, \$0.9 billion or 0.9 percent to \$94.6 billion.

Capital Goods

Nondefense new orders for capital goods in January decreased \$1.5 billion or 2.7 percent to \$52.6 billion. Shipments decreased \$2.6 billion or 4.1 percent to \$62.1 billion. Unfilled orders decreased \$9.6 billion or 2.1 percent to \$457.6 billion. Inventories decreased \$1.1 billion or 0.7 percent to \$146.2 billion.

Defense new orders for capital goods in January decreased \$4.4 billion or 35.3 percent to \$8.0 billion. Shipments increased \$0.7 billion or 8.6 percent to \$9.1 billion. Unfilled orders decreased \$1.2 billion or 0.8 percent to \$143.7 billion. Inventories increased \$0.4 billion or 2.1 percent to \$20.0 billion.

Revised December Data

Revised seasonally adjusted December figures for all manufacturing industries were: new orders, \$359.7 billion (revised from \$362.4 billion); shipments, \$377.0 billion (revised from \$377.6 billion); unfilled orders, \$800.3 billion (revised from \$801.9 billion); and total inventories, \$543.9 billion (revised from \$544.3 billion).

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 March 5, 2009, at 10:00 a.m. EST. The advance report on durable goods for February is scheduled for release on March 25, 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 ¹					
	Monthly			Percent Change			Monthly			Year to Date		
	Jan 2009 ²	Dec 2008 ^r	Nov 2008	Dec - Jan ²	Nov - Dec ^r	Oct - Nov	Jan 2009 ²	Dec 2008 ^r	Jan 2008	2009	2008	Percent Change 09/08
DURABLE GOODS												
Total:												
Shipments.....	183,059	190,004	192,772	-3.7	-1.4	-4.2	161,684	189,449	195,064	161,684	195,064	-17.1
New Orders ⁴	163,798	172,760	181,047	-5.2	-4.6	-4.0	149,811	186,892	203,467	149,811	203,467	-26.4
Excluding transportation:												
Shipments.....	137,850	143,666	146,836	-4.0	-2.2	-4.1	123,484	142,030	144,778	123,484	144,778	-14.7
New Orders ⁴	127,099	130,351	137,982	-2.5	-5.5	-2.0	116,240	129,684	146,210	116,240	146,210	-20.5
Excluding defense:												
Shipments.....	171,166	178,645	180,918	-4.2	-1.3	-4.3	151,756	176,739	186,321	151,756	186,321	-18.6
New Orders ⁴	153,438	157,102	169,913	-2.3	-7.5	-4.2	138,896	164,801	192,161	138,896	192,161	-27.7
Manufacturing with unfilled orders:												
Shipments.....	132,362	136,905	138,596	-3.3	-1.2	-3.9	116,057	137,507	136,406	116,057	136,406	-14.9
New Orders ⁴	117,041	124,311	130,803	-5.8	-5.0	-4.3	108,946	138,907	151,472	108,946	151,472	-28.1
Primary metals:												
Shipments.....	14,831	16,249	17,975	-8.7	-9.6	-9.4	13,788	13,785	20,550	13,788	20,550	-32.9
New Orders.....	13,467	14,113	15,966	-4.6	-11.6	-5.2	12,883	12,165	21,725	12,883	21,725	-40.7
Fabricated metal products:												
Shipments.....	25,835	26,066	26,990	-0.9	-3.4	-2.1	23,529	23,814	25,271	23,529	25,271	-6.9
New Orders.....	24,631	24,916	26,058	-1.1	-4.4	-2.3	22,732	22,699	25,822	22,732	25,822	-12.0
Machinery:												
Shipments.....	26,162	28,609	28,305	-8.6	1.1	-0.5	23,518	28,220	25,892	23,518	25,892	-9.2
New Orders.....	23,625	24,099	26,449	-2.0	-8.9	-2.8	22,926	23,320	30,949	22,926	30,949	-25.9
Computers and electronic products:												
Shipments.....	28,733	29,826	29,694	-3.7	0.4	-5.0	25,303	34,707	29,997	25,303	29,997	-15.6
New Orders ⁴	23,528	24,762	26,646	-5.0	-7.1	4.0	20,210	31,519	23,665	20,210	23,665	-14.6
Computers and related products:												
Shipments.....	3,985	4,462	4,228	-10.7	5.5	-8.6	3,151	6,139	4,486	3,151	4,486	-29.8
New Orders.....	3,709	4,415	4,775	-16.0	-7.5	11.3	2,875	6,092	3,910	2,875	3,910	-26.5
Communications equipment:												
Shipments.....	5,457	5,262	5,868	3.7	-10.3	7.5	4,214	6,737	4,435	4,214	4,435	-5.0
New Orders.....	5,317	5,254	5,540	1.2	-5.2	-2.8	4,321	6,753	4,530	4,321	4,530	-4.6
Semiconductors:												
Shipments.....	3,940	4,650	3,932	-15.3	18.3	-21.9	4,762	3,957	6,663	4,762	6,663	-28.5
New Orders ⁴	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electrical equipment, appliances, and components:												
Shipments.....	8,994	9,491	9,399	-5.2	1.0	-9.0	7,983	9,074	9,592	7,983	9,592	-16.8
New Orders.....	8,681	9,249	8,662	-6.1	6.8	-5.4	8,295	8,391	10,726	8,295	10,726	-22.7
Transportation equipment:												
Shipments.....	45,209	46,338	45,936	-2.4	0.9	-4.4	38,200	47,419	50,286	38,200	50,286	-24.0
New Orders.....	36,699	42,409	43,065	-13.5	-1.5	-9.9	33,571	57,208	57,257	33,571	57,257	-41.4
Motor vehicles and parts:												
Shipments.....	25,390	27,323	29,056	-7.1	-6.0	-1.6	22,909	25,123	35,045	22,909	35,045	-34.6
New Orders.....	25,052	26,761	28,585	-6.4	-6.4	-2.2	22,900	24,876	35,030	22,900	35,030	-34.6
Nondefense aircraft and parts:												
Shipments.....	9,470	8,116	6,134	16.7	32.3	-10.6	6,759	10,022	7,157	6,759	7,157	-5.6
New Orders.....	3,600	1,981	4,840	81.7	-59.1	-46.2	2,110	13,561	12,260	2,110	12,260	-82.8
Defense aircraft and parts:												
Shipments.....	4,754	4,853	4,539	-2.0	6.9	-4.6	3,838	5,756	2,783	3,838	2,783	37.9
New Orders.....	4,074	5,682	4,982	-28.3	14.1	-7.0	4,155	7,954	4,177	4,155	4,177	-0.5
All other durable goods:												
Shipments.....	33,295	33,425	34,473	-0.4	-3.0	-3.1	29,363	32,430	33,476	29,363	33,476	-12.3
New Orders.....	33,167	33,212	34,201	-0.1	-2.9	-3.0	29,194	31,590	33,323	29,194	33,323	-12.4
Capital goods:³												
Shipments.....	71,278	73,183	72,244	-2.6	1.3	-2.1	61,263	79,523	67,278	61,263	67,278	-8.9
New Orders.....	60,526	66,347	68,653	-8.8	-3.4	-3.7	56,028	85,867	78,488	56,028	78,488	-28.6
Nondefense capital goods:												
Shipments.....	62,147	64,773	63,155	-4.1	2.6	-2.0	53,526	70,540	60,018	53,526	60,018	-10.8
New Orders.....	52,552	54,019	60,140	-2.7	-10.2	-5.3	47,449	68,171	69,158	47,449	69,158	-31.4
Excluding aircraft:												
Shipments.....	56,423	60,422	60,425	-6.6	0.0	-1.3	50,109	64,589	56,394	50,109	56,394	-11.1
New Orders.....	52,549	55,554	58,995	-5.4	-5.8	1.1	48,744	58,821	61,083	48,744	61,083	-20.2
Defense capital goods:												
Shipments.....	9,131	8,410	9,089	8.6	-7.5	-2.2	7,737	8,983	7,260	7,737	7,260	6.6
New Orders.....	7,974	12,328	8,513	-35.3	44.8	8.6	8,579	17,696	9,330	8,579	9,330	-8.0

NA Not Available ^r Revised

¹ 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.

² 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."

³ 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.

⁴ 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 ¹			
	Monthly			Percent Change			Monthly			Percent Change 2009/2008
	Jan 2009 ²	Dec 2008 ^r	Nov 2008	Dec - Jan ²	Nov - Dec ^r	Oct - Nov	Jan 2009 ²	Dec 2008 ^r	Jan 2008	
DURABLE GOODS										
Total:										
Unfilled Orders ⁴	784,964	800,285	812,879	-1.9	-1.5	-0.9	791,656	798,767	786,882	0.6
Total Inventories.....	340,714	343,527	342,259	-0.8	0.4	0.3	339,506	333,789	321,806	5.5
Excluding transportation:										
Unfilled Orders ⁴	330,167	336,978	345,643	-2.0	-2.5	-1.4	328,449	330,931	343,116	-4.3
Total Inventories.....	246,076	248,016	249,552	-0.8	-0.6	-0.6	245,625	242,272	239,959	2.4
Excluding defense:										
Unfilled Orders ⁴	624,502	638,290	655,183	-2.2	-2.6	-1.1	628,116	636,214	633,010	-0.8
Total Inventories.....	314,809	318,247	317,018	-1.1	0.4	0.2	313,642	308,943	298,341	5.1
Manufacturing with unfilled orders:										
Unfilled Orders ⁴	784,964	800,285	812,879	-1.9	-1.5	-0.9	791,656	798,767	786,882	0.6
Total Inventories.....	274,690	276,340	274,582	-0.6	0.6	0.4	273,510	268,523	255,328	7.1
Primary metals:										
Unfilled Orders.....	17,694	19,058	21,194	-7.2	-10.1	-8.7	17,434	18,339	28,438	-38.7
Total Inventories.....	31,550	32,236	33,651	-2.1	-4.2	-3.3	31,234	31,997	30,813	1.4
Fabricated metal products:										
Unfilled Orders.....	57,374	58,578	59,728	-2.1	-1.9	-1.5	55,924	56,721	59,970	-6.7
Total Inventories.....	43,690	44,264	44,410	-1.3	-0.3	-0.7	43,701	43,415	42,495	2.8
Machinery:										
Unfilled Orders.....	97,167	99,704	104,214	-2.5	-4.3	-1.7	97,431	98,023	95,444	2.1
Total Inventories.....	55,760	55,262	55,190	0.9	0.1	0.6	55,759	53,486	52,536	6.1
Computers and electronic products:										
Unfilled Orders ⁴	123,765	125,030	125,444	-1.0	-0.3	0.7	124,242	124,573	122,098	1.8
Total Inventories.....	47,183	47,905	47,478	-1.5	0.9	0.1	47,041	46,664	45,066	4.4
Computers and related products:										
Unfilled Orders.....	3,814	4,090	4,137	-6.7	-1.1	15.2	3,814	4,090	3,141	21.4
Total Inventories.....	4,667	5,143	4,938	-9.3	4.2	1.8	4,461	4,869	4,815	-7.4
Communications equipment:										
Unfilled Orders.....	37,154	37,294	37,302	-0.4	0.0	-0.9	36,861	36,754	36,512	1.0
Total Inventories.....	10,167	10,259	9,916	-0.9	3.5	1.1	10,316	10,145	9,542	8.1
Semiconductors:										
Unfilled Orders ⁴	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total Inventories ⁴	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electrical equipment, appliances, and components:										
Unfilled Orders.....	22,139	22,452	22,694	-1.4	-1.1	-3.1	21,911	21,599	24,198	-9.5
Total Inventories.....	14,282	14,742	14,940	-3.1	-1.3	-1.5	14,300	14,249	15,114	-5.4
Transportation equipment:										
Unfilled Orders.....	454,797	463,307	467,236	-1.8	-0.8	-0.6	463,207	467,836	443,766	4.4
Total Inventories.....	94,638	95,511	92,707	-0.9	3.0	2.9	93,881	91,517	81,847	14.7
Motor vehicles and parts:										
Unfilled Orders.....	15,366	15,704	16,266	-2.2	-3.5	-2.8	15,641	15,650	18,550	-15.7
Total Inventories.....	21,084	21,741	22,372	-3.0	-2.8	-2.0	20,981	20,583	24,220	-13.4
Nondefense Aircraft and parts:										
Unfilled Orders.....	297,950	303,820	309,955	-1.9	-2.0	-0.4	303,461	308,110	285,718	6.2
Total Inventories.....	46,771	47,660	44,281	-1.9	7.6	5.6	46,185	45,580	33,437	38.1
Defense Aircraft and parts:										
Unfilled Orders.....	47,661	48,341	47,512	-1.4	1.7	0.9	48,544	48,227	44,696	8.6
Total Inventories.....	15,269	14,653	14,718	4.2	-0.4	3.0	15,193	14,373	13,476	12.7
All other durable goods:										
Unfilled Orders.....	12,028	12,156	12,369	-1.1	-1.7	-2.2	11,507	11,676	12,968	-11.3
Total Inventories.....	53,611	53,607	53,883	0.0	-0.5	-0.3	53,590	52,461	53,935	-0.6
Capital goods:³										
Unfilled Orders.....	601,287	612,039	618,875	-1.8	-1.1	-0.6	608,774	614,009	586,667	3.8
Total Inventories.....	166,222	166,859	163,341	-0.4	2.2	1.4	165,377	161,869	147,891	11.8
Nondefense capital goods:										
Unfilled Orders.....	457,604	467,199	477,953	-2.1	-2.3	-0.6	462,270	468,347	447,955	3.2
Total Inventories.....	146,216	147,273	143,768	-0.7	2.4	1.3	145,336	142,437	129,362	12.3
Excluding aircraft:										
Unfilled Orders.....	192,860	196,734	201,602	-2.0	-2.4	-0.7	191,894	193,259	193,473	-0.8
Total Inventories.....	109,157	109,590	108,983	-0.4	0.6	0.0	108,779	106,434	103,962	4.6
Defense capital goods:										
Unfilled Orders.....	143,683	144,840	140,922	-0.8	2.8	-0.4	146,504	145,662	138,712	5.6
Total Inventories.....	20,006	19,586	19,573	2.1	0.1	1.7	20,041	19,432	18,529	8.2

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>.