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Full Report on Manufacturers' Shipments, Inventories and Orders August 2009

Summary

New orders for manufactured goods in August, down following four consecutive monthly increases, decreased \$2.8 billion or 0.8 percent to \$352.9 billion, the U.S. Census Bureau reported today. This followed a 1.4 percent July increase. Excluding transportation, new orders increased 0.4 percent.

Shipments, down following two consecutive monthly increases, decreased \$0.9 billion or 0.3 percent to \$360.0 billion. This followed a 0.3 percent July increase.

Unfilled orders, down eleven consecutive months, decreased \$3.1 billion or 0.4 percent to \$736.8 billion. This was the longest streak of consecutive monthly decreases since the series was first published on a NAICS basis in 1992. This followed a 0.1 percent July decrease. The unfilled orders-to-shipments ratio was 5.98, up from 5.94 in July.

Inventories, down twelve consecutive months, decreased \$3.9 billion or 0.8 percent to \$498.2 billion. This was the longest streak of consecutive monthly decreases since February 2001-May 2002 and followed a 0.9 percent July decrease. The inventories-to-shipments ratio was 1.38, down from 1.39 in July.

New Orders

New orders for manufactured durable goods in August, down two of the last three months, decreased \$4.4 billion or 2.6 percent to \$164.1 billion, revised from the previously published 2.4 percent decrease. This followed a 4.8 percent July increase.

Transportation equipment, down two of the last three months, had the largest decrease, \$4.0 billion or 9.1 percent to \$39.6 billion.

New orders for manufactured nondurable goods increased \$1.5 billion or 0.8 percent to \$188.7 billion.

Shipments

Shipments of manufactured durable goods in August, down following two consecutive monthly increases, decreased \$2.4 billion or 1.4 percent to \$171.3 billion, unchanged from the previously published decrease. This followed a 2.3 percent July increase.

Transportation equipment, also down following two consecutive monthly increases, had the largest decrease, \$0.8 billion or 1.9 percent to \$42.2 billion.

Shipments of manufactured nondurable goods, up three of the last four months, increased \$1.5 billion or 0.8 percent to \$188.7 billion. This followed a 1.5 percent July decrease. This increase was due to petroleum and coal products, which increased \$1.9 billion or 5.4 percent to \$36.7 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in August, down eleven consecutive months, decreased \$3.1 billion or 0.4 percent to \$736.8 billion, unchanged from the previously published decrease. This was the longest streak of consecutive monthly decreases since the series was first published on a NAICS basis in 1992 and followed a 0.1 percent July decrease.

Transportation equipment, down ten of the last eleven months, had the largest decrease, \$2.7 billion or 0.6 percent to \$431.4 billion.

Inventories

Inventories of manufactured durable goods in August, down eight consecutive months, decreased \$4.5 billion or 1.4 percent to \$308.4 billion, revised from the previously published 1.3 percent decrease. This followed a 1.2 percent July decrease.

Transportation equipment, down following two consecutive monthly increases, had the largest decrease, \$2.8 billion or 3.0 percent to \$91.2 billion. This was the largest percent decrease since the series was first published on a NAICS basis in 1992.

Inventories of manufactured nondurable goods, up following eleven consecutive monthly decreases, increased \$0.6 billion or 0.3 percent to \$189.9 billion. This followed a 0.4 percent July decrease. Petroleum and coal products drove the increase, up \$0.7 billion or 2.8 percent to \$27.4 billion.

By stage of fabrication, August materials and supplies decreased 0.8 percent in durable goods and 0.1 percent in nondurable goods. Work in process decreased 2.3 percent in durable goods and increased 1.4 percent in nondurable goods. Finished goods decreased 1.0 percent in durable goods and increased 0.1 percent in nondurable goods.

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>.

The advance report on durable goods for September is scheduled for release on October 28, 2009, at 8:30 a.m. EDT and the full report on November 3, 2009, at 10:00 a.m. EST. See back page for survey description.

Table 1. Value of Manufacturers' Shipments for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly				Year to date		
	Aug. 2009 ^P	July 2009 ^F	June 2009	July - Aug.	June - July	May - June	Aug. 2009 ^P	July 2009 ^F	June 2009	Aug. 2008	2009 ^P	2008	Percent 2009/2008
All manufacturing industries	360,043	360,951	359,928	-0.3	0.3	1.8	373,281	355,856	384,312	456,897	2,862,566	3,562,111	-19.6
Excluding transportation	317,811	317,887	317,238	0.0	0.2	1.9	329,991	320,313	337,295	405,764	2,520,499	3,139,645	-19.7
Excluding defense	346,246	347,298	345,750	-0.3	0.4	1.7	359,618	343,439	369,183	445,417	2,758,598	3,471,700	-20.5
With unfilled orders	123,148	124,566	123,467	-1.1	0.9	1.6	125,995	117,849	135,216	152,372	989,829	1,214,159	-18.5
Durable goods industries	171,296	173,744	169,836	-1.4	2.3	0.8	175,158	164,767	185,030	210,847	1,373,291	1,693,270	-18.9
Wood products.....	7,490	7,492	7,332	0.0	2.2	-1.7	8,099	7,798	8,235	8,693	59,613	65,783	-9.4
Nonmetallic mineral products.....	7,577	7,616	7,459	-0.5	2.1	1.6	8,277	8,210	8,158	9,883	60,388	74,864	-19.3
Primary metals.....	13,343	13,136	12,277	1.6	7.0	1.7	14,382	13,473	13,092	23,845	106,591	182,274	-41.5
Iron and steel mills.....	5,353	5,230	4,820	2.4	8.5	2.3	5,782	5,436	5,123	12,684	43,155	93,771	-54.0
Aluminum and nonferrous metals.....	6,815	6,784	6,326	0.5	7.2	0.7	7,369	6,961	6,698	9,198	53,647	73,668	-27.2
Ferrous metal foundries.....	1,175	1,122	1,131	4.7	-0.8	4.9	1,231	1,076	1,271	1,963	9,789	14,835	-34.0
Fabricated metal products.....	23,848	23,823	23,439	0.1	1.6	0.9	25,617	23,951	24,955	29,590	192,780	223,557	-13.8
Machinery.....	22,035	22,405	23,327	-1.7	-4.0	0.7	21,509	21,950	25,392	27,975	186,560	233,828	-20.2
Farm machinery.....	2,199	2,228	2,373	-1.3	-6.1	2.4	1,966	2,129	2,448	2,345	19,915	19,519	2.0
Construction machinery.....	1,282	1,357	1,376	-5.5	-1.4	-4.7	1,218	1,326	1,475	2,368	12,064	19,343	-37.6
Mining, oil field, and gas field machinery.....	1,231	1,457	1,274	-15.5	14.4	-10.7	1,214	1,341	1,322	1,599	11,086	12,171	-8.9
Industrial machinery.....	2,011	2,050	2,295	-1.9	-10.7	-5.3	1,766	2,095	2,497	2,436	17,601	23,370	-24.7
Photographic equipment.....	607	575	527	5.6	9.1	1.5	606	566	543	513	4,200	4,185	0.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,303	3,469	3,475	-4.8	-0.2	-1.5	3,452	3,727	4,359	4,059	27,014	32,670	-17.3
Metalworking machinery.....	1,466	1,520	1,554	-3.6	-2.2	-3.6	1,480	1,426	1,654	2,416	13,188	19,324	-31.8
Turbines, generators, and other power transmission equipment.....	2,834	2,599	3,417	9.0	-23.9	18.0	2,820	2,452	3,506	3,513	23,835	29,963	-20.5
Material handling equipment.....	1,593	1,593	1,534	0.0	3.8	-1.0	1,596	1,573	1,645	2,370	12,772	20,393	-37.4
Computers and electronic products.....	29,324	30,075	27,879	-2.5	7.9	0.6	28,180	28,487	30,940	29,516	221,142	250,409	-11.7
Computers.....	2,373	2,447	2,460	-3.0	-0.5	-3.0	2,264	2,549	2,642	2,676	19,741	24,449	-19.3
Computer storage devices.....	601	715	573	-15.9	24.8	2.3	454	431	940	476	4,085	4,853	-15.8
Other peripheral equipment.....	1,291	1,281	1,333	0.8	-3.9	6.0	1,173	985	1,723	1,171	9,525	10,224	-6.8
Nondefense communications equipment.....	4,373	4,491	4,326	-2.6	3.8	10.8	4,150	3,758	5,521	4,557	31,304	38,696	-19.1
Defense communications equipment.....	820	844	788	-2.8	7.1	16.7	798	752	779	654	6,020	5,206	15.6
Audio and video equipment.....	484	520	500	-6.9	4.0	-8.8	444	470	438	556	3,585	4,911	-27.0
Semiconductors.....	4,037	4,469	2,956	-9.7	51.2	-14.9	3,980	5,618	2,195	4,259	30,303	40,674	-25.5
Electronic components.....	3,269	3,355	3,282	-2.6	2.2	2.1	3,316	3,105	3,703	3,825	25,770	31,240	-17.5
Nondefense search and navigation equipment.....	866	835	832	3.7	0.4	-0.6	871	749	941	929	6,785	7,738	-12.3
Defense search and navigation equipment.....	2,918	2,763	2,855	5.6	-3.2	3.4	2,925	2,598	2,986	2,628	21,670	21,479	0.9
Electromedical, measuring, and control instruments.....	7,860	7,924	7,526	-0.8	5.3	0.7	7,381	7,086	8,640	7,266	58,931	56,878	3.6
Electrical equipment, appliances, and components.....	8,213	8,527	8,318	-3.7	2.5	0.3	8,478	8,283	9,027	10,823	67,207	84,982	-20.9
Electric lighting equipment.....	944	990	925	-4.6	7.0	-2.4	966	955	973	1,032	7,591	8,104	-6.3
Household appliances.....	1,617	1,660	1,667	-2.6	-0.4	-3.5	1,657	1,584	1,855	1,913	13,321	15,155	-12.1
Electrical equipment.....	2,538	2,573	2,570	-1.4	0.1	0.4	2,543	2,466	2,904	3,487	21,090	28,460	-25.9
Batteries.....	807	811	763	-0.5	6.3	11.1	795	762	766	862	5,475	6,251	-12.4
Transportation equipment.....	42,232	43,064	42,690	-1.9	0.9	1.5	43,290	35,543	47,017	51,133	342,067	422,466	-19.0
Automobiles.....	4,393	4,626	4,457	-5.0	3.8	7.2	4,727	3,579	4,793	7,132	35,342	55,997	-36.9
Light trucks and utility vehicles.....	4,691	4,648	4,375	0.9	6.2	-12.9	4,935	2,971	4,824	7,802	40,600	69,303	-41.4
Heavy duty trucks.....	1,170	1,067	1,056	9.7	1.0	10.1	1,146	960	1,129	1,218	8,615	11,237	-23.3
Motor vehicle bodies, parts, and trailers.....	13,064	13,310	12,946	-1.8	2.8	2.4	13,928	11,032	13,912	15,675	105,503	132,258	-20.2
Nondefense aircraft and parts.....	7,009	7,486	7,304	-6.4	2.5	1.2	6,661	6,384	8,789	7,946	59,446	66,140	-10.1
Defense aircraft and parts.....	5,596	5,463	6,194	2.4	-11.8	8.8	5,573	4,842	6,740	4,669	42,124	34,990	20.4
Ships and boats.....	1,839	2,083	1,831	-11.7	13.8	-2.2	1,856	1,816	1,975	2,224	15,439	18,718	-17.5
Furniture and related products.....	5,062	5,144	5,137	-1.6	0.1	0.0	5,491	5,308	5,237	6,892	41,528	52,239	-20.5
Miscellaneous durable goods.....	12,172	12,462	11,978	-2.3	4.0	-0.4	11,835	11,764	12,977	12,497	95,415	102,868	-7.2
Nondurable goods industries.....	188,747	187,207	190,092	0.8	-1.5	2.8	198,123	191,089	199,282	246,050	1,489,275	1,868,841	-20.3
Food products.....	49,076	49,520	49,892	-0.9	-0.7	0.9	50,306	48,515	50,101	53,033	392,188	402,504	-2.6
Grain and oilseed milling.....	5,804	5,972	6,198	-2.8	-3.6	7.3	5,818	6,254	6,106	6,106	45,820	46,825	-2.1
Dairy products.....	5,786	5,736	5,786	0.9	-0.9	-4.1	5,901	5,694	5,869	7,208	47,738	58,291	-18.1
Meat, poultry, and seafood products.....	13,871	14,143	14,315	-1.9	-1.2	0.6	14,579	14,194	14,924	16,559	115,116	121,915	-5.6
Beverage and tobacco products.....	11,132	10,982	11,328	1.4	-3.1	2.5	11,681	11,072	11,866	12,260	89,662	91,643	-2.2
Beverages.....	7,476	7,397	7,446	1.1	-0.7	-0.3	8,025	7,487	7,984	8,398	60,843	62,160	-2.1
Tobacco.....	3,656	3,585	3,882	2.0	-7.7	8.2	3,656	3,585	3,882	3,862	28,819	29,483	-2.3
Textile mills.....	2,243	2,210	2,215	1.5	-0.2	-0.6	2,380	2,182	2,339	3,002	17,957	23,297	-22.9
Textile products.....	1,704	1,728	1,718	-1.4	0.6	-2.3	1,867	1,816	1,846	2,408	14,474	18,938	-23.6
Apparel.....	2,053	2,102	2,141	-2.3	-1.8	1.0	2,198	2,157	2,072	2,849	16,909	20,719	-18.4
Leather and allied products.....	369	415	430	-11.1	-3.5	4.4	394	417	453	524	3,268	3,838	-14.9
Paper products.....	12,738	12,807	12,805	-0.5	0.0	0.2	13,042	12,904	13,372	14,983	103,120	115,597	-10.8
Pulp, paper, and paperboard mills.....	6,081	6,073	6,105	0.1	-0.5	-0.1	6,261	6,158	6,315	7,238	49,290	55,846	-11.7
Paperboard containers.....	3,325	3,422	3,433	-2.8	-0.3	0.9	3,455	3,525	3,596	4,252	27,779	32,721	-15.1
Printing.....	7,214	7,335	7,327	-1.6	0.1	-1.1	7,312	7,043	7,252	8,262	58,192	64,583	-9.9
Petroleum and coal products.....	36,727	34,831	37,019	5.4	-5.9	12.9	41,554	38,031	40,431	69,916	266,893	508,424	-47.5
Petroleum refineries.....	33,833	32,041	34,268	5.6	-6.5	13.9	38,176	34,806	37,204	66,067	244,088	485,497	-49.7
Chemical products.....	50,239	50,039	50,231	0.4	-0.4	0.3	51,264	51,119	53,318	60,380	404,615	474,733	-14.8
Pesticides, fertilizers, and other agricultural chemicals.....	2,730	2,738	2,895	-0.3	-5.4	-8.5	2,490	2,490	3,290	3,585	26,241	31,067	-15.5
Pharmaceuticals and medicines.....	14,164	14,322	14,568	-1.1	-1.7	0.6	13,975	14,307	14,521	14,050	114,006	114,333	-0.3
Paints, coatings, and adhesives.....	2,462	2,535	2,552	-2.9	-0.7	1.7	2,621	2,805	2,816	2,940	20,697	22,900	-9.6
Plastics and rubber products.....	15,252	15,238	14,986	0.1	1.7	0.6	16,125	15,833	16,232	18,433	121,997	144,565	-15.6

^P Preliminary^F Revised

NA Not available.

¹ Shipments are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of Table 2 relating to survey error and revision.

Table 2. Value of Manufacturers' New Orders for Industry Groups**[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly				Year to date		
	Aug. 2009 ^p	July 2009 ^r	June 2009	July - Aug.	June - July	May - June	Aug. 2009 ^p	July 2009 ^r	June 2009	Aug. 2008	2009 ^p	2008	Percent 2009/2008
All manufacturing industries ²	352,889	355,719	350,913	-0.8	1.4	0.9	363,665	347,435	371,929	450,987	2,765,893	3,569,574	-22.5
Excluding transportation ²	313,317	312,171	313,959	0.4	-0.6	2.7	323,271	313,831	332,119	398,402	2,463,834	3,121,808	-21.1
Excluding defense ²	339,941	342,414	338,955	-0.7	1.0	1.9	352,087	337,457	359,494	440,220	2,670,264	3,477,632	-23.2
With unfilled orders ²	120,031	123,803	117,408	-3.0	5.4	-1.4	120,359	115,046	125,028	150,721	923,459	1,262,296	-26.8
Durable goods industries ²	164,142	168,512	160,821	-2.6	4.8	-1.1	165,542	156,346	172,647	204,937	1,276,618	1,700,733	-24.9
Primary metals.....	13,772	13,506	13,074	2.0	3.3	12.2	14,975	13,933	13,682	22,223	103,785	183,408	-43.4
Iron and steel mills.....	5,688	5,597	5,666	1.6	-1.2	25.7	6,298	5,879	5,834	11,367	42,235	95,241	-55.7
Aluminum and nonferrous metals.....	6,884	6,833	6,278	0.7	8.8	2.3	7,438	7,017	6,600	8,905	52,435	73,267	-28.4
Ferrous metal foundries.....	1,200	1,076	1,130	11.5	-4.8	12.3	1,239	1,037	1,248	1,951	9,115	14,900	-38.8
Fabricated metal products.....	23,442	23,282	22,516	0.7	3.4	0.5	24,637	23,296	23,390	28,545	185,170	226,292	-18.2
Machinery.....	21,619	21,517	23,307	0.5	-7.7	4.6	20,750	21,494	24,297	28,759	174,554	249,054	-29.9
Construction machinery.....	950	1,231	1,123	-22.8	9.6	11.5	865	1,192	947	2,574	7,519	22,989	-67.3
Mining, oil field, and gas field machinery.....	981	1,260	1,192	-22.1	5.7	8.0	1,013	1,201	1,149	1,903	9,037	14,535	-37.8
Industrial machinery.....	2,104	1,670	2,290	26.0	-27.1	1.0	1,617	1,946	2,301	1,949	14,152	25,110	-43.6
Photographic equipment.....	592	586	523	1.0	12.0	0.2	580	569	511	483	4,161	4,381	-5.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,574	3,433	3,953	4.1	-13.2	2.8	3,836	4,005	4,695	4,690	30,154	36,621	-17.7
Metalworking machinery.....	1,523	1,399	1,503	8.9	-6.9	-9.7	1,536	1,296	1,535	2,488	12,058	20,305	-40.6
Turbines, generators, and other power transmission equipment.....	2,709	2,706	3,190	0.1	-15.2	20.3	2,621	2,611	3,167	3,380	22,398	30,857	-27.4
Material handling equipment.....	1,634	1,591	1,512	2.7	5.2	-5.4	1,486	1,355	1,643	2,405	11,507	20,221	-43.1
Computers and electronic products ²	25,264	25,544	25,138	-1.1	1.6	1.5	23,141	22,432	28,405	25,042	188,837	211,342	-10.6
Computers.....	2,487	2,493	2,754	-0.2	-9.5	-2.3	2,378	2,595	2,936	2,757	19,621	24,636	-20.4
Nondefense communications equipment.....	4,703	4,810	4,590	-2.2	4.8	10.2	4,147	3,967	5,280	4,835	31,914	39,038	-18.2
Defense communications equipment.....	743	575	333	29.2	72.7	-57.7	517	453	551	474	5,931	5,646	5.0
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	3,379	3,535	3,383	-4.4	4.5	6.1	3,648	3,317	3,778	4,172	26,136	31,948	-18.2
Nondefense search and navigation equipment.....	669	684	766	-2.2	-10.7	-7.0	635	583	783	1,119	5,972	8,699	-31.3
Defense search and navigation equipment.....	2,786	2,880	2,930	-3.3	-1.7	-1.2	2,313	2,353	2,895	2,146	21,537	20,352	5.8
Electromedical, measuring, and control instruments.....	7,689	7,620	7,528	0.9	1.2	4.9	7,008	6,892	8,649	6,817	57,108	56,974	0.2
Electrical equipment, appliances, and components.....	8,202	8,413	8,081	-2.5	4.1	1.7	8,298	8,475	8,547	10,300	65,788	87,008	-24.4
Electric lighting equipment.....	1,016	1,020	834	-0.4	22.3	-1.5	1,040	1,005	885	923	7,531	8,466	-11.0
Household appliances.....	1,586	1,713	1,640	-7.4	4.5	-4.4	1,652	1,691	1,756	1,949	13,470	15,278	-11.8
Electrical equipment.....	2,389	2,434	2,532	-1.8	-3.9	4.2	2,297	2,535	2,772	3,252	19,841	29,615	-33.0
Transportation equipment.....	39,572	43,548	36,954	-9.1	17.8	-11.9	40,394	33,604	39,810	52,585	302,059	447,766	-32.5
Motor vehicle bodies, parts, and trailers.....	12,971	12,721	12,753	2.0	-0.3	1.6	13,640	10,836	13,589	15,276	103,789	130,885	-20.7
Nondefense aircraft and parts.....	5,046	8,790	4,437	-42.6	98.1	-30.5	5,124	6,523	4,959	7,868	33,303	90,291	-63.1
Defense aircraft and parts.....	5,026	5,622	7,081	-10.6	-20.6	30.3	4,365	4,784	7,476	4,557	41,014	36,879	11.2
Ships and boats.....	1,987	1,909	1,333	4.1	43.2	-18.1	2,032	1,005	1,314	1,706	11,311	17,852	-36.6
Furniture and related products.....	4,945	4,968	4,954	-0.5	0.3	-2.2	5,049	5,176	5,118	6,655	41,636	52,978	-21.4
Nondurable goods industries.....	188,747	187,207	190,092	0.8	-1.5	2.8	198,123	191,089	199,282	246,050	1,489,275	1,868,841	-20.3

^p Preliminary^r Revised

NA Not available.

¹ New orders are the totals for the period and are adjusted for trading-day and calendar-month variations.² Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

Note: 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."

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups**[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Aug. 09/08
	Aug. 2009 ^P	July 2009 ^r	June 2009	July - Aug.	June - July	May - June	Aug. 2009 ^P	July 2009 ^r	June 2009	Aug. 2008	
All manufacturing industries ¹	736,805	739,922	740,685	-0.4	-0.1	-0.8	732,383	738,019	740,822	819,953	-10.7
Excluding transportation ¹	305,401	305,858	307,105	-0.1	-0.4	-0.1	304,556	307,296	308,160	357,858	-14.9
Excluding defense ¹	579,756	582,024	582,439	-0.4	-0.1	-0.7	578,166	581,717	582,081	667,113	-13.3
Durable goods industries ¹	736,805	739,922	740,685	-0.4	-0.1	-0.8	732,383	738,019	740,822	819,953	-10.7
Primary metals.....	15,132	14,703	14,333	2.9	2.6	5.9	15,521	14,928	14,468	28,397	-45.3
Iron and steel mills.....	8,050	7,715	7,348	4.3	5.0	13.0	8,428	7,912	7,469	17,920	-53.0
Aluminum and nonferrous metals.....	4,985	4,916	4,867	1.4	1.0	-1.0	5,016	4,947	4,891	7,476	-32.9
Ferrous metal foundries.....	2,097	2,072	2,118	1.2	-2.2	0.0	2,077	2,069	2,108	3,001	-30.8
Fabricated metal products.....	48,888	49,294	49,835	-0.8	-1.1	-1.8	49,125	50,105	50,760	62,154	-21.0
Machinery.....	86,253	86,669	87,557	-0.5	-1.0	0.0	85,905	86,664	87,120	105,613	-18.7
Construction machinery.....	8,118	8,450	8,576	-3.9	-1.5	-2.9	7,987	8,340	8,474	14,722	-45.7
Mining, oil field, and gas field machinery.....	5,217	5,467	5,664	-4.6	-3.5	-1.4	5,232	5,433	5,573	7,195	-27.3
Industrial machinery.....	11,052	10,959	11,339	0.8	-3.4	0.0	10,972	11,121	11,270	16,651	-34.1
Photographic equipment.....	1,796	1,811	1,800	-0.8	0.6	-0.2	1,758	1,784	1,781	1,702	3.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	18,930	18,659	18,695	1.5	-0.2	2.6	19,289	18,905	18,627	17,449	10.5
Metalworking machinery.....	6,692	6,635	6,756	0.9	-1.8	-0.7	6,685	6,629	6,759	8,660	-22.8
Turbines, generators, and other power transmission equipment.....	13,278	13,403	13,296	-0.9	0.8	-1.7	13,280	13,479	13,320	14,422	-7.9
Material handling equipment.....	8,087	8,046	8,048	0.5	0.0	-0.3	7,806	7,916	8,134	9,734	-19.8
Computers and electronic products ¹	123,956	123,979	124,041	0.0	0.0	0.2	122,577	123,636	124,073	123,374	-0.6
Computers.....	3,970	3,856	3,810	3.0	1.2	8.4	3,970	3,856	3,810	3,904	1.7
Nondefense communications equipment.....	29,317	28,987	28,668	1.1	1.1	0.9	28,972	28,975	28,766	29,069	-0.3
Defense communications equipment.....	8,451	8,528	8,797	-0.9	-3.1	-4.9	8,303	8,584	8,883	8,130	2.1
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	10,241	10,131	9,951	1.1	1.8	1.0	10,446	10,114	9,902	10,964	-4.7
Nondefense search and navigation equipment.....	8,069	8,266	8,417	-2.4	-1.8	-0.8	7,921	8,157	8,323	7,562	4.7
Defense search and navigation equipment.....	37,585	37,717	37,600	-0.3	0.3	0.2	36,800	37,412	37,657	36,074	2.0
Electromedical, measuring, and control instruments.....	26,323	26,494	26,798	-0.6	-1.1	0.0	26,165	26,538	26,732	27,671	-5.4
Electrical equipment, appliances, and components.....	19,981	19,992	20,106	-0.1	-0.6	-1.2	20,180	20,360	20,168	25,090	-19.6
Electric lighting equipment.....	1,862	1,790	1,760	4.0	1.7	-4.9	1,960	1,886	1,836	2,718	-27.9
Household appliances.....	463	494	441	-6.3	12.0	-5.8	482	487	380	695	-30.6
Electrical equipment.....	12,943	13,092	13,231	-1.1	-1.1	-0.3	13,048	13,294	13,225	15,884	-17.9
Transportation equipment.....	431,404	434,064	433,580	-0.6	0.1	-1.3	427,827	430,723	432,662	462,095	-7.4
Motor vehicle bodies, parts, and trailers.....	13,886	13,979	14,568	-0.7	-4.0	-1.3	13,935	14,223	14,419	17,192	-18.9
Nondefense aircraft and parts.....	283,771	285,734	284,430	-0.7	0.5	-1.0	281,967	283,504	283,365	304,766	-7.5
Defense aircraft and parts.....	47,786	48,356	48,197	-1.2	0.3	1.9	47,117	48,325	48,383	45,191	4.3
Ships and boats.....	19,405	19,257	19,431	0.8	-0.9	-2.5	18,816	18,640	19,451	19,137	-1.7
Furniture and related products.....	5,838	5,955	6,131	-2.0	-2.9	-2.9	5,895	6,337	6,469	7,503	-21.4

^P Preliminary ^r Revised NA Not available.¹ Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data. See note at end of Table 2 relating to survey error and revision.

Table 4. Value of Manufacturers' Inventories for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Aug. 09/08
	Aug. 2009 ^p	July 2009 ^r	June 2009	July - Aug.	June - July	May - June	Aug. 2009 ^p	July 2009 ^r	June 2009	Aug. 2008	
All manufacturing industries	498,238	502,174	506,770	-0.8	-0.9	-1.1	501,708	503,996	502,809	567,598	-11.6
Excluding transportation	407,033	408,179	413,537	-0.3	-1.3	-1.4	409,646	409,210	410,651	477,724	-14.3
Excluding defense	472,003	475,920	480,746	-0.8	-1.0	-1.1	475,429	477,693	476,780	542,938	-12.4
With unfilled orders	247,977	252,037	254,527	-1.6	-1.0	-1.6	249,645	252,961	251,887	274,853	-9.2
Durable goods industries	308,353	312,884	316,667	-1.4	-1.2	-1.5	310,192	313,797	313,171	341,870	-9.3
Wood products.....	9,581	9,639	9,743	-0.6	-1.1	-1.7	9,557	9,492	9,470	10,534	-9.3
Nonmetallic mineral products.....	11,119	11,159	11,401	-0.4	-2.1	-0.7	11,039	11,187	11,467	11,907	-7.3
Primary metals.....	25,253	25,475	26,193	-0.9	-2.7	-3.2	25,594	25,670	26,036	35,367	-27.6
Iron and steel mills.....	14,014	14,226	14,798	-1.5	-3.9	-4.9	14,205	14,349	14,628	20,296	-30.0
Aluminum and nonferrous metals.....	8,961	8,955	9,048	0.1	-1.0	-0.6	9,178	9,101	9,131	12,402	-26.0
Ferrous metal foundries.....	2,278	2,294	2,347	-0.7	-2.3	-2.5	2,211	2,220	2,277	2,669	-17.2
Fabricated metal products.....	37,388	37,888	38,684	-1.3	-2.1	-2.4	37,396	38,001	38,420	44,907	-16.7
Machinery.....	49,249	49,528	50,742	-0.6	-2.4	-1.6	49,095	49,052	50,076	54,576	-10.0
Farm machinery.....	3,049	3,037	3,182	0.4	-4.6	-2.3	2,802	2,848	3,107	2,942	-4.8
Construction machinery.....	5,009	4,985	5,031	0.5	-0.9	-3.3	4,927	4,906	5,022	5,549	-11.2
Mining, oil field, and gas field machinery.....	4,661	4,670	4,790	-0.2	-2.5	0.2	4,699	4,722	4,811	4,515	4.1
Industrial machinery.....	6,159	6,303	6,407	-2.3	-1.6	-0.4	6,262	6,264	6,471	7,029	-10.9
Photographic equipment.....	1,535	1,489	1,461	3.1	1.9	1.0	1,537	1,489	1,463	1,356	13.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,952	3,975	4,061	-0.6	-2.1	-0.9	3,956	3,923	3,968	4,813	-17.8
Metalworking machinery.....	4,441	4,528	4,744	-1.9	-4.6	-1.8	4,506	4,541	4,632	5,429	-17.0
Turbines, generators, and other power transmission equipment.....	5,132	5,118	5,342	0.3	-4.2	-5.1	5,249	5,111	5,121	6,253	-16.1
Material handling equipment.....	2,796	2,863	2,924	-2.3	-2.1	-2.4	2,769	2,828	2,904	3,422	-19.1
Computers and electronic products	43,344	43,562	44,275	-0.5	-1.6	-2.9	44,064	43,758	43,367	47,923	-8.1
Computers.....	1,070	1,036	1,026	3.3	1.0	1.2	1,156	1,004	1,020	1,412	-18.1
Computer storage devices.....	1,184	1,219	1,268	-2.9	-3.9	-4.2	1,253	1,240	1,182	1,690	-25.9
Other peripheral equipment.....	1,941	1,985	2,036	-2.2	-2.5	-1.6	2,015	2,033	1,952	2,209	-8.8
Nondefense communications equipment.....	6,997	7,145	7,399	-2.1	-3.4	-12.2	7,025	7,068	7,043	8,500	-17.4
Defense communications equipment.....	2,254	2,158	2,132	4.4	1.2	2.9	2,254	2,158	2,132	1,550	45.4
Audio and video equipment.....	713	696	703	2.4	-1.0	-3.8	747	681	660	962	-22.3
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	5,979	6,017	6,099	-0.6	-1.3	-1.5	6,062	6,118	6,008	6,880	-11.9
Nondefense search and navigation equipment.....	4,901	4,748	4,841	3.2	-1.9	-1.3	4,953	4,772	4,829	5,030	-1.5
Defense search and navigation equipment.....	3,502	3,550	3,500	-1.4	1.4	-1.2	3,531	3,554	3,464	3,583	-1.5
Electromedical, measuring and control instruments.....	10,593	10,671	10,698	-0.7	-0.3	-0.3	10,763	10,681	10,478	10,739	0.2
Electrical equipment, appliances, and components.....	12,623	12,759	12,917	-1.1	-1.2	-2.1	12,594	12,784	12,819	15,199	-17.1
Electric lighting equipment.....	1,485	1,505	1,446	-1.3	4.1	-5.2	1,506	1,541	1,478	1,804	-16.5
Household appliances.....	2,082	2,095	2,088	-0.6	0.3	0.6	2,080	2,121	2,086	1,991	4.5
Electrical equipment.....	3,888	3,926	4,110	-1.0	-4.5	-3.1	3,812	3,824	3,952	5,317	-28.3
Batteries.....	709	710	713	-0.1	-0.4	1.1	740	735	722	691	7.1
Transportation equipment.....	91,205	93,995	93,233	-3.0	0.8	0.0	92,062	94,786	92,158	89,874	2.4
Automobiles.....	1,787	1,783	1,828	0.2	-2.5	-2.9	1,827	1,872	1,696	2,594	-29.6
Light trucks and utility vehicles.....	1,692	1,755	1,753	-3.6	0.1	0.7	1,757	1,746	1,758	2,687	-34.6
Heavy duty trucks.....	1,447	1,473	1,478	-1.8	-0.3	0.8	1,505	1,508	1,476	1,646	-8.6
Motor vehicle bodies, parts, and trailers.....	13,459	13,583	13,701	-0.9	-0.9	-1.0	13,445	13,664	13,531	16,480	-18.4
Nondefense aircraft and parts.....	45,961	48,199	47,672	-4.6	1.1	1.2	46,478	48,655	47,004	40,720	14.1
Defense aircraft and parts.....	15,888	15,797	15,530	0.6	1.7	0.3	15,972	15,877	15,604	14,308	11.6
Ships and boats.....	2,602	2,672	2,670	-2.6	0.1	-9.2	2,551	2,608	2,629	2,901	-12.1
Furniture and related products.....	6,265	6,343	6,481	-1.2	-2.1	-2.8	6,295	6,445	6,593	8,010	-21.4
Miscellaneous durable goods.....	22,326	22,536	22,998	-0.9	-2.0	-1.0	22,496	22,622	22,765	23,573	-4.6
Nondurable goods industries.....	189,885	189,290	190,103	0.3	-0.4	-0.4	191,516	190,199	189,638	225,728	-15.2
Food products.....	35,541	35,497	35,554	0.1	-0.2	-1.4	35,635	35,041	34,514	37,472	-4.9
Grain and oilseed milling.....	4,327	4,411	4,608	-1.9	-4.3	1.5	4,216	4,332	4,567	4,775	-11.7
Dairy products.....	4,290	4,264	4,280	0.6	-0.4	-2.4	4,376	4,427	4,417	4,560	-4.0
Meat, poultry, and seafood products.....	7,003	6,997	6,994	0.1	0.0	-2.0	7,007	6,951	6,875	7,667	-8.6
Beverage and tobacco products.....	15,388	15,418	15,394	-0.2	0.2	-0.4	14,884	14,809	14,910	14,592	2.0
Beverages.....	11,381	11,390	11,382	-0.1	0.1	-0.5	11,124	11,019	11,049	11,021	0.9
Tobacco.....	4,007	4,028	4,012	-0.5	0.4	-0.2	3,760	3,790	3,861	3,571	5.3
Textile mills.....	3,050	3,130	3,238	-2.6	-3.3	-2.1	3,024	3,107	3,194	3,678	-17.8
Textile products.....	2,695	2,707	2,726	-0.4	-0.7	-1.9	2,714	2,711	2,713	3,320	-18.3
Apparel.....	3,714	3,805	3,878	-2.4	-1.9	-1.2	3,883	3,993	4,000	4,684	-17.1
Leather and allied products.....	1,031	1,049	1,061	-1.7	-1.1	-0.4	1,045	1,062	1,049	1,032	1.3
Paper products.....	13,830	13,751	13,789	0.6	-0.3	0.1	13,762	13,658	13,729	15,472	-11.1
Pulp, paper, and paperboard mills.....	6,045	5,970	5,959	1.3	0.2	0.5	6,000	5,912	5,939	6,804	-11.8
Paperboard containers.....	3,796	3,797	3,835	0.0	-1.0	-0.1	3,758	3,762	3,802	4,259	-11.8
Printing.....	5,571	5,612	5,726	-0.7	-2.0	-3.7	5,783	5,763	5,709	6,931	-16.6
Petroleum and coal products.....	27,448	26,707	26,436	2.8	1.0	4.3	28,708	27,969	27,600	44,985	-36.2
Petroleum refineries.....	25,437	24,616	24,224	3.3	1.6	4.8	26,688	25,853	25,404	42,291	-36.9
Chemical products.....	62,914	62,733	63,031	0.3	-0.5	-1.2	63,366	63,237	63,206	70,484	-10.1
Pesticides, fertilizers, and other agricultural chemicals.....	3,232	3,177	3,164	1.7	0.4	-4.4	2,852	2,857	2,833	2,905	-1.8
Pharmaceuticals and medicines.....	24,305	24,168	24,325	0.6	-0.6	-3.7	24,805	24,613	24,784	24,786	0.1
Paints, coatings, and adhesives.....	2,917	2,946	2,953	-1.0	-0.2	-0.4	2,930	2,990	2,994	3,149	-7.0
Plastics and rubber products.....	18,703	18,881	19,270	-0.9	-2.0	-1.0	18,712	18,849	19,014	23,078	-18.9

^p Preliminary ^r Revised NA Not available.¹ Inventories for semiconductor industry data are included in computers and electronic products and total durable goods industries, but are not shown separately.

See note at end of Table 2 relating to survey error and revision.

Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series ¹

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ²						
	Monthly			Percent Change			Monthly				Year to date		Percent Change ⁶ 2009/2008
	Aug. 2009 ^p	July 2009 ^r	June 2009	July - Aug.	June - July	May - June	Aug. 2009 ^p	July 2009 ^r	June 2009	Aug. 2008	2009 ^p	2008	
SHIPMENTS													
All manufacturing industries	360,043	360,951	359,928	-0.3	0.3	1.8	373,281	355,856	384,312	456,897	2,862,566	3,562,111	-19.6
Construction materials and supplies.....	37,828	38,094	37,566	-0.7	1.4	0.6	40,960	40,107	41,714	47,259	305,046	354,617	-14.0
Information technology.....	24,932	25,319	24,561	-1.5	3.1	2.7	24,007	22,846	28,114	25,474	188,999	209,692	-9.9
Computers and related products	4,265	4,443	4,366	-4.0	1.8	0.3	3,891	3,965	5,305	4,323	33,351	39,526	-15.6
Motor vehicle and parts.....	23,318	23,651	22,834	-1.4	3.6	0.2	24,736	18,542	24,658	31,827	190,060	268,795	-29.3
Capital goods.....	66,163	67,293	67,412	-1.7	-0.2	1.8	64,572	62,557	74,576	73,646	528,995	603,871	-12.4
Nondefense capital goods ³	55,416	56,844	56,529	-2.5	0.6	1.1	53,815	52,862	63,203	64,611	448,470	533,741	-16.0
Excluding aircraft.....	51,868	52,921	52,774	-2.0	0.3	1.4	50,466	49,730	58,603	60,457	417,315	498,149	-16.2
Defense capital goods ⁴	10,747	10,449	10,883	2.9	-4.0	5.3	10,757	9,695	11,373	9,035	80,525	70,130	14.8
Consumer goods.....	144,465	143,683	146,133	0.5	-1.7	3.2	151,555	142,175	151,844	192,849	1,135,473	1,474,538	-23.0
Consumer durable goods.....	21,328	21,813	21,020	-2.2	3.8	-2.2	21,916	18,270	22,510	29,272	173,866	242,869	-28.4
Consumer nondurable goods.....	123,137	121,870	125,113	1.0	-2.6	4.2	129,639	123,905	129,334	163,577	961,607	1,231,669	-21.9
NEW ORDERS													
All manufacturing industries ⁵	352,889	355,719	350,913	-0.8	1.4	0.9	363,665	347,435	371,929	450,987	2,765,893	3,569,574	-22.5
Construction materials and supplies.....	38,030	37,800	37,518	0.6	0.8	1.7	41,006	40,028	41,284	46,892	302,548	360,380	-16.0
Information technology.....	24,881	25,030	24,590	-0.6	1.8	0.9	22,587	22,166	27,506	24,667	186,333	211,173	-11.8
Computers and related products	4,379	4,489	4,660	-2.5	-3.7	0.5	4,005	4,011	5,599	4,404	33,231	39,713	-16.3
Motor vehicle and parts.....	23,225	23,062	22,641	0.7	1.9	-0.2	24,448	18,346	24,335	31,428	188,346	267,422	-29.6
Capital goods.....	62,359	66,564	61,502	-6.3	8.2	-5.6	58,543	59,073	65,962	73,472	472,989	643,302	-26.5
Nondefense capital goods ³	52,426	56,725	53,014	-7.6	7.0	-0.2	49,582	51,949	57,399	64,772	399,986	572,449	-30.1
Excluding aircraft.....	51,086	51,566	52,237	-0.9	-1.3	3.8	48,009	48,519	56,512	60,479	397,360	514,280	-22.7
Defense capital goods ⁴	9,933	9,839	8,488	1.0	15.9	-29.5	8,961	7,124	8,563	8,700	73,003	70,853	3.0
Consumer goods.....	144,518	143,860	146,127	0.5	-1.6	3.4	151,558	142,512	151,661	192,421	1,135,064	1,473,828	-23.0
Consumer durable goods.....	21,381	21,990	21,014	-2.8	4.6	-1.0	21,919	18,607	22,327	28,844	173,457	242,159	-28.4
Consumer nondurable goods.....	123,137	121,870	125,113	1.0	-2.6	4.2	129,639	123,905	129,334	163,577	961,607	1,231,669	-21.9
UNFILLED ORDERS													
All manufacturing industries ⁵	736,805	739,922	740,685	-0.4	-0.1	-0.8	732,383	738,019	740,822	819,953	(X)	(X)	-10.7
Construction materials and supplies.....	47,226	47,024	47,318	0.4	-0.6	-0.1	47,886	47,840	47,919	56,331	(X)	(X)	-15.0
Information technology.....	120,224	120,275	120,564	0.0	-0.2	0.0	118,579	119,999	120,679	119,905	(X)	(X)	-1.1
Computers and related products	3,970	3,856	3,810	3.0	1.2	8.4	3,970	3,856	3,810	3,904	(X)	(X)	1.7
Motor vehicle and parts.....	13,886	13,979	14,568	-0.7	-4.0	-1.3	13,935	14,223	14,419	17,192	(X)	(X)	-18.9
Capital goods.....	563,269	567,073	567,802	-0.7	-0.1	-1.0	557,929	563,958	567,442	614,888	(X)	(X)	-9.3
Nondefense capital goods ³	422,596	425,586	425,705	-0.7	0.0	-0.8	419,786	424,019	424,932	477,523	(X)	(X)	-12.1
Excluding aircraft.....	174,368	175,150	176,505	-0.4	-0.8	-0.3	173,227	175,684	176,895	204,915	(X)	(X)	-15.5
Defense capital goods ⁴	140,673	141,487	142,097	-0.6	-0.4	-1.7	138,143	139,939	142,510	137,365	(X)	(X)	0.6
Consumer goods.....	7,601	7,548	7,371	0.7	2.4	-0.1	7,588	7,585	7,248	8,454	(X)	(X)	-10.2
Consumer durable goods.....	7,601	7,548	7,371	0.7	2.4	-0.1	7,588	7,585	7,248	8,454	(X)	(X)	-10.2
TOTAL INVENTORIES													
All manufacturing industries	498,238	502,174	506,770	-0.8	-0.9	-1.1	501,708	503,996	502,809	567,598	(X)	(X)	-11.6
Construction materials and supplies.....	51,931	52,409	53,369	-0.9	-1.8	-1.9	52,001	52,437	52,825	61,137	(X)	(X)	-14.9
Information technology.....	39,530	39,607	40,018	-0.2	-1.0	-3.1	40,098	39,643	39,197	42,929	(X)	(X)	-6.6
Computers and related products	4,195	4,240	4,330	-1.1	-2.1	-1.7	4,424	4,277	4,154	5,311	(X)	(X)	-16.7
Motor vehicle and parts.....	18,385	18,594	18,760	-1.1	-0.9	-0.9	18,534	18,790	18,461	23,407	(X)	(X)	-20.8
Capital goods.....	155,077	157,648	159,466	-1.6	-1.1	-1.2	156,090	157,853	157,418	160,623	(X)	(X)	-2.8
Nondefense capital goods ³	134,906	137,421	139,419	-1.8	-1.4	-1.2	135,959	137,657	137,440	141,549	(X)	(X)	-3.9
Excluding aircraft.....	98,478	99,142	101,312	-0.7	-2.1	-2.2	99,109	98,972	99,862	109,601	(X)	(X)	-9.6
Defense capital goods ⁴	20,171	20,227	20,047	-0.3	0.9	-1.0	20,131	20,196	19,978	19,074	(X)	(X)	5.5
Consumer goods.....	143,319	142,632	143,025	0.5	-0.3	-0.7	145,028	143,435	142,709	169,792	(X)	(X)	-14.6
Consumer durable goods.....	24,197	24,418	24,852	-0.9	-1.7	-2.1	24,355	24,432	24,355	28,893	(X)	(X)	-15.7
Consumer nondurable goods.....	119,122	118,214	118,173	0.8	0.0	-0.4	120,673	119,003	118,354	140,899	(X)	(X)	-14.4

^P Preliminary ^r Revised X Not Applicable.

¹ Topical series are regroupings of the separate industry categories.

² Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

³ Nondefense capital goods industries include: 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.

⁴ Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.

⁵ Estimates and percent changes exclude semiconductor industry data.

⁶ Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.

See note at end of Table 2 relating to survey error and revision.

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group**[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Aug. 09/08
	Aug. 2009 ^p	July 2009 ^r	June 2009	July - Aug.	June - July	May - June	Aug. 2009 ^p	July 2009 ^r	June 2009	Aug. 2008	
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries.....	167,472	168,357	170,193	-0.5	-1.1	-1.2	168,126	169,195	168,946	193,676	-13.2
Durable goods industries.....	103,050	103,899	106,083	-0.8	-2.1	-2.0	103,589	104,437	104,519	116,742	-11.3
Wood products.....	3,844	3,916	4,046	-1.8	-3.2	-3.8	3,815	3,789	3,760	4,318	-11.6
Nonmetallic mineral products.....	4,628	4,663	4,695	-0.8	-0.7	0.5	4,641	4,685	4,694	4,899	-5.3
Primary metals.....	11,345	11,904	12,486	-4.7	-4.7	-3.9	11,431	11,915	12,341	13,579	-15.8
Fabricated metal products.....	13,805	13,764	14,245	0.3	-3.4	-2.7	13,783	13,789	14,078	16,858	-18.2
Machinery.....	19,366	19,432	19,855	-0.3	-2.1	-2.6	19,359	19,470	19,605	21,102	-8.3
Computers and electronic products.....	13,830	13,831	13,973	0.0	-1.0	-3.4	14,076	13,864	13,730	15,794	-10.9
Electrical equipment, appliances, and components.....	4,776	4,888	5,019	-2.3	-2.6	-2.5	4,742	4,891	4,963	6,204	-23.6
Transportation equipment.....	21,047	21,021	21,074	0.1	-0.3	0.6	21,269	21,467	20,690	22,422	-5.1
Furniture and related products.....	3,039	3,071	3,165	-1.0	-3.0	-3.3	3,038	3,098	3,186	3,934	-22.8
Miscellaneous products.....	7,370	7,409	7,525	-0.5	-1.5	-0.6	7,435	7,469	7,472	7,632	-2.6
Nondurable goods industries.....	64,422	64,458	64,110	-0.1	0.5	0.1	64,537	64,758	64,427	76,934	-16.1
Food products.....	13,144	13,284	13,453	-1.1	-1.3	-0.5	12,750	13,129	13,292	13,443	-5.2
Beverage and tobacco products.....	4,374	4,410	4,400	-0.8	0.2	-0.5	4,185	4,253	4,294	4,232	-1.1
Textiles.....	961	977	987	-1.6	-1.0	1.0	954	971	973	1,176	-18.9
Textile products.....	1,037	1,046	1,056	-0.9	-0.9	-0.9	1,045	1,057	1,058	1,322	-21.0
Apparel.....	948	965	981	-1.8	-1.6	-0.8	952	977	991	1,069	-10.9
Leather and allied products.....	387	389	392	-0.5	-0.8	0.0	390	393	387	362	7.7
Paper products.....	6,803	6,724	6,651	1.2	1.1	-0.3	6,761	6,633	6,596	7,425	-8.9
Printing.....	2,463	2,492	2,552	-1.2	-2.4	-5.1	2,515	2,530	2,576	3,131	-19.7
Petroleum and coal products.....	8,048	7,794	7,434	3.3	4.8	1.1	8,429	8,209	8,014	13,887	-39.3
Chemical products.....	18,900	18,864	18,601	0.2	1.4	1.4	19,075	19,000	18,730	21,504	-11.3
Plastics and rubber products.....	7,357	7,513	7,603	-2.1	-1.2	-0.1	7,481	7,606	7,516	9,383	-20.3
<u>WORK IN PROCESS</u>											
All manufacturing industries.....	158,531	160,820	161,469	-1.4	-0.4	-0.6	159,704	161,318	159,717	168,855	-5.4
Durable goods industries.....	121,336	124,133	124,502	-2.3	-0.3	-0.6	122,462	124,662	123,152	125,890	-2.7
Wood products.....	1,671	1,666	1,659	0.3	0.4	0.1	1,697	1,675	1,646	1,955	-13.2
Nonmetallic mineral products.....	1,358	1,342	1,378	1.2	-2.6	-0.9	1,338	1,334	1,402	1,304	2.6
Primary metals.....	7,459	7,087	7,113	5.2	-0.4	-1.0	7,695	7,300	7,160	11,040	-30.3
Fabricated metal products.....	11,110	11,538	11,708	-3.7	-1.5	-3.0	11,206	11,648	11,608	13,722	-18.3
Machinery.....	13,739	13,902	14,303	-1.2	-2.8	-1.3	13,880	13,766	14,184	15,375	-9.7
Computers and electronic products.....	20,506	20,685	21,087	-0.9	-1.9	-2.3	20,695	20,813	20,723	21,538	-3.9
Electrical equipment, appliances, and components.....	2,561	2,571	2,583	-0.4	-0.5	-3.1	2,583	2,596	2,609	3,156	-18.2
Transportation equipment.....	58,695	61,104	60,328	-3.9	1.3	0.9	59,097	61,245	59,480	53,030	11.4
Furniture and related products.....	1,113	1,100	1,126	1.2	-2.3	1.0	1,112	1,109	1,133	1,224	-9.2
Miscellaneous products.....	3,124	3,138	3,217	-0.4	-2.5	-2.9	3,159	3,176	3,207	3,546	-10.9
Nondurable goods industries.....	37,195	36,687	36,967	1.4	-0.8	-0.8	37,242	36,656	36,565	42,965	-13.3
Food products.....	2,120	2,142	2,182	-1.0	-1.8	-1.7	1,884	1,879	1,901	2,073	-9.1
Beverage and tobacco products.....	4,475	4,457	4,491	0.4	-0.8	0.8	4,084	4,009	4,177	3,894	4.9
Textiles.....	672	664	694	1.2	-4.3	-6.2	677	667	688	931	-27.3
Textile products.....	335	336	334	-0.3	0.6	0.9	337	337	330	418	-19.4
Apparel.....	533	549	552	-2.9	-0.5	0.0	555	569	563	684	-18.9
Leather and allied products.....	81	82	80	-1.2	2.5	-4.8	82	82	76	93	-11.8
Paper products.....	1,261	1,277	1,327	-1.3	-3.8	1.3	1,280	1,284	1,333	1,572	-18.6
Printing.....	1,439	1,430	1,443	0.6	-0.9	-3.3	1,546	1,496	1,377	1,794	-13.8
Petroleum and coal products.....	8,644	8,309	8,368	4.0	-0.7	9.7	8,870	8,628	8,429	13,751	-35.5
Chemical products.....	15,393	15,201	15,252	1.3	-0.3	-5.8	15,688	15,483	15,499	15,231	3.0
Plastics and rubber products.....	2,242	2,240	2,244	0.1	-0.2	-0.3	2,239	2,222	2,192	2,524	-11.3
<u>FINISHED GOODS</u>											
All manufacturing industries.....	172,235	172,997	175,108	-0.4	-1.2	-1.4	173,878	173,483	174,146	205,067	-15.2
Durable goods industries.....	83,967	84,852	86,082	-1.0	-1.4	-2.2	84,141	84,698	85,500	99,238	-15.2
Wood products.....	4,066	4,057	4,038	0.2	0.5	-0.2	4,045	4,028	4,064	4,261	-5.1
Nonmetallic mineral products.....	5,133	5,154	5,328	-0.4	-3.3	-1.8	5,060	5,168	5,371	5,704	-11.3
Primary metals.....	6,449	6,484	6,594	-0.5	-1.7	-4.3	6,468	6,455	6,535	10,748	-39.8
Fabricated metal products.....	12,473	12,586	12,731	-0.9	-1.1	-1.4	12,407	12,564	12,734	14,327	-13.4
Machinery.....	16,144	16,194	16,584	-0.3	-2.4	-0.7	15,856	15,816	16,287	18,099	-12.4
Computers and electronic products.....	9,008	9,046	9,215	-0.4	-1.8	-3.4	9,293	9,081	8,914	10,591	-12.3
Electrical equipment, appliances, and components.....	5,286	5,300	5,315	-0.3	-0.3	-1.2	5,269	5,297	5,247	5,839	-9.8
Transportation equipment.....	11,463	11,870	11,831	-3.4	0.3	-5.3	11,696	12,074	11,988	14,422	-18.9
Furniture and related products.....	2,113	2,172	2,190	-2.7	-0.8	-4.0	2,145	2,238	2,274	2,852	-24.8
Miscellaneous products.....	11,832	11,989	12,256	-1.3	-2.2	-0.8	11,902	11,977	12,086	12,395	-4.0
Nondurable goods industries.....	88,268	88,145	89,026	0.1	-1.0	-0.7	89,737	88,785	88,646	105,829	-15.2
Food products.....	20,277	20,071	19,919	1.0	0.8	-1.9	21,001	20,033	19,321	21,956	-4.3
Beverage and tobacco products.....	6,539	6,551	6,503	-0.2	0.7	-1.2	6,615	6,547	6,439	6,466	2.3
Textiles.....	1,417	1,489	1,557	-4.8	-4.4	-2.1	1,393	1,469	1,533	1,571	-11.3
Textile products.....	1,323	1,325	1,336	-0.2	-0.8	-3.3	1,332	1,317	1,325	1,580	-15.7
Apparel.....	2,233	2,291	2,345	-2.5	-2.3	-1.7	2,376	2,447	2,446	2,931	-18.9
Leather and allied products.....	563	578	589	-2.6	-1.9	0.0	573	587	586	577	-0.7
Paper products.....	5,766	5,750	5,811	0.3	-1.0	0.4	5,721	5,741	5,800	6,475	-11.6
Printing.....	1,669	1,690	1,731	-1.2	-2.4	-1.9	1,722	1,737	1,756	2,006	-14.2
Petroleum and coal products.....	10,756	10,604	10,634	1.4	-0.3	2.5	11,409	11,132	11,157	17,347	-34.2
Chemical products.....	28,621	28,668	29,178	-0.2	-1.7	-0.3	28,603	28,754	28,977	33,749	-15.2
Plastics and rubber products.....	9,104	9,128	9,423	-0.3	-3.1	-1.9	8,992	9,021	9,306	11,171	-19.5

^P Preliminary^F Revised

See note at end of Table 2 relating to survey error and revisions.

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group

[Based on Seasonally Adjusted data]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Aug 2009 ^p	Jul 2009 ^r	Jun 2009	May 2009	Aug 2009 ^p	Jul 2009 ^r	Jun 2009	May 2009
All manufacturing industries ²	1.38	1.39	1.41	1.45	(X)	(X)	(X)	(X)
Durable goods industries ²	1.80	1.80	1.86	1.91	5.98	5.94	6.00	6.15
Wood products.....	1.28	1.29	1.33	1.33	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.47	1.47	1.53	1.56	(X)	(X)	(X)	(X)
Primary metals.....	1.89	1.94	2.13	2.24	1.13	1.12	1.17	1.12
Fabricated metal products.....	1.57	1.59	1.65	1.71	2.13	2.15	2.20	2.26
Machinery.....	2.24	2.21	2.18	2.23	4.46	4.40	4.28	4.31
Computers and electronic products ²	1.48	1.45	1.59	1.64	5.51	5.47	5.62	5.79
Electrical equipment, appliances, and components.....	1.54	1.50	1.55	1.59	2.70	2.59	2.66	2.67
Transportation equipment.....	2.16	2.18	2.18	2.22	13.49	13.26	13.22	13.77
Furniture and related products.....	1.24	1.23	1.26	1.30	1.34	1.34	1.38	1.42
Miscellaneous products.....	1.83	1.81	1.92	1.93	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.01	1.01	1.00	1.03	(X)	(X)	(X)	(X)
Food products.....	0.72	0.72	0.71	0.73	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.38	1.40	1.36	1.40	(X)	(X)	(X)	(X)
Textiles.....	1.36	1.42	1.46	1.48	(X)	(X)	(X)	(X)
Textile products.....	1.58	1.57	1.59	1.58	(X)	(X)	(X)	(X)
Apparel.....	1.81	1.81	1.81	1.85	(X)	(X)	(X)	(X)
Leather and allied products.....	2.79	2.53	2.47	2.58	(X)	(X)	(X)	(X)
Paper products.....	1.09	1.07	1.08	1.08	(X)	(X)	(X)	(X)
Printing.....	0.77	0.77	0.78	0.80	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.75	0.77	0.71	0.77	(X)	(X)	(X)	(X)
Chemical products.....	1.25	1.25	1.25	1.27	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.23	1.24	1.29	1.31	(X)	(X)	(X)	(X)

^p Preliminary

^r Revised

X Not Applicable

¹ Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes

[Based on Seasonally Adjusted data]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Aug ¹ 2009	Aug ² 2008-Jul 2009	Aug ¹ 2009	Aug ² 2008-Jul 2009	Aug ¹ 2009	Aug ² 2008-Jul 2009	Aug ¹ 2009	Aug ² 2008-Jul 2009
All manufacturing industries.....	(X)	0.5	(X)	0.8	(X)	0.2	(X)	0.2
Durable goods industries.....	0.0	0.6	-0.2	1.3	0.0	0.2	-0.1	0.2
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.7
Nonmetallic mineral products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.0	1.1	0.1	2.2	0.0	0.8	0.0	0.4
Fabricated metal products.....	0.1	0.7	-0.1	1.5	-0.2	0.4	0.0	0.4
Machinery.....	-0.3	0.9	-0.2	2.8	0.1	0.5	-0.5	0.4
Computers and electronic products.....	0.1	0.9	-0.4	1.0	-0.1	0.1	-0.2	0.3
Electrical equipment, appliances, and components.....	-0.3	0.8	-2.0	2.0	-0.8	0.6	0.2	0.6
Transportation equipment.....	0.1	0.5	0.2	1.1	0.0	0.1	-0.1	0.1
Furniture and related products.....	(X)	0.8	(X)	1.6	(X)	0.7	(X)	0.4
Miscellaneous products.....	(X)	0.6	(X)	0.7	(X)	0.6	(X)	0.3
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.4
Beverage and tobacco products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.6
Textile products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	1.3	(X)	(NA)	(X)	(NA)	(X)	1.2
Paper products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.6
Printing.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	1.0
Petroleum and coal products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	1.2
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Plastics and rubber products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.5

X Not Applicable

NA Not Available

¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

² The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

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 in the data 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>.