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

Summary

New orders for manufactured goods in July, up five of the last six months, increased \$4.6 billion or 1.3 percent to \$355.5 billion, the U.S. Census Bureau reported today. This followed a 0.9 percent June increase. Excluding transportation, new orders decreased 0.7 percent.

Shipments, down eleven of the last twelve months, decreased \$0.2 billion to \$359.7 billion. This followed a 1.8 percent June increase.

Unfilled orders, down ten consecutive months, decreased \$0.1 billion to \$740.6 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 0.8 percent June decrease. The unfilled orders-to-shipments ratio was 5.95, down from 6.00 in June.

Inventories, down eleven consecutive months, decreased \$3.6 billion or 0.7 percent to \$503.1 billion. This was the longest streak of consecutive monthly decreases since March 2003-January 2004 and followed a 1.1 percent June decrease. The inventories-to-shipments ratio was 1.40, down from 1.41 in June.

New Orders

New orders for manufactured durable goods in July, up three of the last four months, increased \$8.2 billion or 5.1 percent to \$169.0 billion, revised from the previously published 4.9 percent increase. This followed a 1.1 percent June decrease.

Transportation equipment, up three of the last four months, had the largest increase, \$6.9 billion or 18.5 percent to \$43.8 billion.

New orders for manufactured nondurable goods decreased \$3.6 billion or 1.9 percent to \$186.5 billion.

Shipments

Shipments of manufactured durable goods in July, up two consecutive months, increased \$3.4 billion or 2.0 percent to \$173.3 billion, unchanged from the previously published increase. This followed a 0.8 percent June increase.

Computers and electronic products, up three of the last four months, had the largest increase, \$2.1 billion or 7.6 percent to \$30.0 billion.

Shipments of manufactured nondurable goods, down following two consecutive monthly increases, decreased \$3.6 billion or 1.9 percent to \$186.5 billion. This followed a 2.8 percent June increase. This decrease was led by petroleum and coal products, which decreased \$2.7 billion or 7.2 percent to \$34.3 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in July, down ten consecutive months, decreased \$0.1 billion to \$740.6 billion, revised from the previously published 0.1 percent 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 0.8 percent June decrease.

Machinery, down ten consecutive months, had the largest decrease, \$0.8 billion or 0.9 percent to \$86.8 billion.

Inventories

Inventories of manufactured durable goods in July, down seven consecutive months, decreased \$2.9 billion or 0.9 percent to \$313.7 billion, revised from the previously published 0.8 percent decrease. This followed a 1.5 percent June decrease.

Machinery, down six consecutive months, had the largest decrease, \$1.0 billion or 2.0 percent to \$49.7 billion.

Inventories of manufactured nondurable goods, down eleven consecutive months, decreased \$0.7 billion or 0.4 percent to \$189.4 billion. This followed a 0.4 percent June decrease. Plastic and rubber products led the decrease, down \$0.4 billion or 2.0 percent to \$18.9 billion.

By stage of fabrication, July materials and supplies decreased 1.8 percent in durable goods and increased 0.7 percent in nondurable goods. Work in process decreased 0.1 percent in durable goods and 0.8 percent in nondurable goods. Finished goods decreased 1.1 percent in durable goods and 1.0 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 August is scheduled for release on September 25, 2009, at 8:30 a.m. EDT and the full report on October 2, 2009, at 10:00 a.m. EDT. 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		
	July 2009 ^P	June 2009 ^F	May 2009	June - July	May - June	Apr. - May	July 2009 ^P	June 2009 ^F	May 2009	July 2008	2009 ^P	2008	Percent 2009/2008
All manufacturing industries	359,749	359,928	353,425	0.0	1.8	-0.8	355,321	384,312	356,944	448,540	2,488,750	3,105,214	-19.9
Excluding transportation	316,798	317,238	311,376	-0.1	1.9	0.0	319,875	337,295	314,460	406,273	2,190,070	2,733,881	-19.9
Excluding defense	346,105	345,750	339,980	0.1	1.7	-0.9	342,886	369,183	343,612	437,474	2,398,427	3,026,283	-20.7
With unfilled orders	124,574	123,467	121,472	0.9	1.6	-2.1	117,749	135,216	121,084	145,033	863,734	1,061,787	-18.7
Durable goods industries	173,256	169,836	168,483	2.0	0.8	-2.7	164,238	185,030	168,278	199,721	1,197,604	1,482,423	-19.2
Wood products.....	7,437	7,332	7,458	1.4	-1.7	-0.4	7,735	8,235	7,794	8,493	51,451	57,090	-9.9
Nonmetallic mineral products.....	7,558	7,459	7,342	1.3	1.6	0.3	8,154	8,158	7,604	9,856	52,055	64,981	-19.9
Primary metals.....	13,060	12,277	12,073	6.4	1.7	-3.2	13,433	13,092	12,475	23,312	92,169	158,429	-41.8
Iron and steel mills.....	5,271	4,820	4,713	9.4	2.3	-4.0	5,438	5,123	4,826	12,521	37,375	81,087	-53.9
Aluminum and nonferrous metals.....	6,687	6,326	6,282	5.7	0.7	-2.3	6,921	6,698	6,542	8,947	46,238	64,470	-28.3
Ferrous metal foundries.....	1,102	1,131	1,078	-2.6	4.9	-4.7	1,074	1,271	1,107	1,844	8,556	12,872	-33.5
Fabricated metal products.....	23,629	23,439	23,223	0.8	0.9	-2.4	23,802	24,955	23,651	28,286	167,014	193,967	-13.9
Machinery.....	22,636	23,327	23,158	-3.0	0.7	1.5	21,956	25,392	23,221	28,204	165,057	205,853	-19.8
Farm machinery.....	2,264	2,373	2,318	-4.6	2.4	1.9	2,129	2,448	2,412	2,442	17,949	17,174	4.5
Construction machinery.....	1,348	1,376	1,444	-2.0	-4.7	-4.1	1,288	1,475	1,467	2,352	10,808	16,975	-36.3
Mining, oil field, and gas field machinery.....	1,472	1,274	1,427	15.5	-10.7	1.7	1,342	1,322	1,359	1,520	9,873	10,572	-6.6
Industrial machinery.....	2,147	2,295	2,423	-6.4	-5.3	4.2	2,161	2,497	2,139	2,903	15,901	20,934	-24.0
Photographic equipment.....	563	527	519	6.8	1.5	2.6	566	543	506	538	3,594	3,672	-2.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,498	3,475	3,529	0.7	-1.5	4.5	3,724	4,359	3,648	4,145	23,559	28,611	-17.7
Metalworking machinery.....	1,544	1,554	1,612	-0.6	-3.6	-9.3	1,433	1,654	1,525	2,426	11,715	16,908	-30.7
Turbines, generators, and other power transmission equipment.....	2,668	3,417	2,895	-21.9	18.0	10.9	2,440	3,506	2,990	3,183	21,003	26,450	-20.6
Material handling equipment.....	1,589	1,534	1,549	3.6	-1.0	-3.7	1,578	1,645	1,549	2,365	11,181	18,023	-38.0
Computers and electronic products.....	29,984	27,879	27,718	7.6	0.6	-2.6	28,552	30,940	25,825	29,928	193,027	220,893	-12.6
Computers.....	2,486	2,460	2,535	1.1	-3.0	-0.7	2,587	2,642	2,200	3,021	17,515	21,773	-19.6
Computer storage devices.....	722	573	560	26.0	2.3	-4.3	431	940	422	370	3,631	4,377	-17.0
Other peripheral equipment.....	1,274	1,333	1,257	-4.4	6.0	1.5	983	1,723	1,122	950	8,350	9,053	-7.8
Nondefense communications equipment.....	4,610	4,326	3,904	6.6	10.8	-0.7	3,862	5,521	3,515	4,227	27,258	34,139	-20.2
Defense communications equipment.....	854	788	675	8.4	16.7	-8.7	765	779	705	661	5,235	4,552	15.0
Audio and video equipment.....	526	500	548	5.2	-8.8	16.3	470	438	499	548	3,141	4,355	-27.9
Semiconductors.....	4,226	2,956	3,472	43.0	-14.9	-14.5	5,516	2,195	3,399	6,208	26,221	36,415	-28.0
Electronic components.....	3,357	3,282	3,216	2.3	2.1	-0.9	3,096	3,703	3,045	3,508	22,445	27,415	-18.1
Nondefense search and navigation equipment.....	821	832	837	-1.3	-0.6	0.7	736	941	820	861	5,901	6,809	-13.3
Defense search and navigation equipment.....	2,757	2,855	2,760	-3.4	3.4	1.5	2,619	2,986	2,742	2,507	18,766	18,851	-0.5
Electromedical, measuring, and control instruments.....	7,920	7,526	7,474	5.2	0.7	-1.1	7,101	8,640	6,936	6,585	51,565	49,612	3.9
Electrical equipment, appliances, and components.....	8,455	8,318	8,297	1.6	0.3	-3.7	8,157	9,027	8,302	10,581	58,603	74,159	-21.0
Electric lighting equipment.....	990	925	948	7.0	-2.4	-0.2	953	973	930	969	6,623	7,072	-6.3
Household appliances.....	1,660	1,667	1,728	-0.4	-3.5	-2.8	1,576	1,855	1,768	1,893	11,656	13,242	-12.0
Electrical equipment.....	2,592	2,570	2,559	0.9	0.4	-4.0	2,496	2,904	2,509	3,500	18,577	24,973	-25.6
Batteries.....	753	763	687	-1.3	11.1	-4.7	684	766	643	820	4,602	5,389	-14.6
Transportation equipment.....	42,951	42,690	42,049	0.6	1.5	-6.5	35,446	47,017	42,484	42,267	298,680	371,333	-19.6
Automobiles.....	4,684	4,457	4,157	5.1	7.2	-14.5	3,579	4,793	4,076	5,027	30,615	48,865	-37.3
Light trucks and utility vehicles.....	4,604	4,375	5,021	5.2	-12.9	-12.3	2,971	4,824	5,095	5,035	35,665	61,501	-42.0
Heavy duty trucks.....	1,058	1,056	959	0.2	10.1	-6.3	960	1,129	924	1,218	7,469	10,019	-25.5
Motor vehicle bodies, parts, and trailers.....	13,168	12,946	12,643	1.7	2.4	-5.8	10,965	13,912	13,151	12,956	91,508	116,583	-21.5
Nondefense aircraft and parts.....	7,506	7,304	7,218	2.8	1.2	-7.0	6,380	8,789	7,249	7,607	52,781	58,194	-9.3
Defense aircraft and parts.....	5,460	6,194	5,693	-11.9	8.8	7.4	4,826	6,740	5,567	4,443	36,535	30,321	20.5
Ships and boats.....	2,068	1,831	1,872	12.9	-2.2	-11.7	1,802	1,975	1,987	1,940	13,569	16,494	-17.7
Furniture and related products.....	5,165	5,137	5,138	0.5	0.0	-0.3	5,323	5,237	5,123	6,558	36,052	45,347	-20.5
Miscellaneous durable goods.....	12,381	11,978	12,027	3.4	-0.4	-0.8	11,680	12,977	11,799	12,236	83,496	90,371	-7.6
Nondurable goods industries.....	186,493	190,092	184,942	-1.9	2.8	0.9	191,083	199,282	188,666	248,819	1,291,146	1,622,791	-20.4
Food products.....	49,629	49,892	49,435	-0.5	0.9	-1.3	48,529	50,101	48,859	51,102	341,896	349,471	-2.2
Grain and oilseed milling.....	6,049	6,198	5,779	-2.4	7.3	1.4	6,261	6,208	5,273	6,461	40,009	40,719	-1.7
Dairy products.....	5,648	5,786	6,034	-2.4	-4.1	-4.2	5,694	5,869	6,181	7,376	41,837	51,083	-18.1
Meat, poultry, and seafood products.....	14,245	14,315	14,230	-0.5	0.6	-2.0	14,196	14,924	14,460	15,485	100,539	105,356	-4.6
Beverage and tobacco products.....	10,798	11,328	11,057	-4.7	2.5	-3.4	10,868	11,866	11,796	12,001	77,777	79,383	-2.0
Beverages.....	7,213	7,446	7,469	-3.1	-0.3	-2.6	7,283	7,984	8,208	8,018	52,614	53,762	-2.1
Tobacco.....	3,585	3,882	3,588	-7.7	8.2	-5.2	3,585	3,882	3,588	3,983	25,163	25,621	-1.8
Textile mills.....	2,195	2,215	2,229	-0.9	-0.6	-0.6	2,182	2,339	2,266	2,815	15,577	20,295	-23.2
Textile products.....	1,727	1,718	1,758	0.5	-2.3	-3.1	1,814	1,846	1,830	2,334	12,605	16,530	-23.7
Apparel.....	2,141	2,141	2,120	0.0	1.0	-2.7	2,175	2,072	2,006	2,707	14,729	17,870	-17.6
Leather and allied products.....	424	430	412	-1.4	4.4	-1.0	417	453	373	451	2,874	3,314	-13.3
Paper products.....	12,808	12,805	12,778	0.0	0.2	-0.5	12,903	13,372	12,784	14,577	90,077	100,614	-10.5
Pulp, paper, and paperboard mills.....	6,065	6,105	6,113	-0.7	-0.1	-0.6	6,158	6,315	6,078	7,050	43,029	48,608	-11.5
Paperboard containers.....	3,442	3,433	3,404	0.3	0.9	-2.8	3,530	3,596	3,360	4,179	24,329	28,469	-14.5
Printing.....	7,363	7,327	7,407	0.5	-1.1	-2.4	7,036	7,252	7,238	7,894	50,873	56,321	-9.7
Petroleum and coal products.....	34,336	37,019	32,776	-7.2	12.9	9.7	38,252	40,431	34,935	74,957	225,560	438,508	-48.6
Petroleum refineries.....	31,550	34,268	30,075	-7.9	13.9	10.8	35,009	37,204	32,151	71,350	206,115	419,430	-50.9
Chemical products.....	49,922	50,231	50,073	-0.6	0.3	0.5	51,133	53,318	51,131	61,489	353,365	414,353	-14.7
Pesticides, fertilizers, and other agricultural chemicals.....	2,765	2,895	3,164	-4.5	-8.5	1.3	2,490	3,290	4,211	3,591	23,751	27,482	-13.6
Pharmaceuticals and medicines.....	14,328	14,568	14,474	-1.6	0.6	0.7	14,306	14,521	14,150	14,631	100,030	100,283	-0.3
Paints, coatings, and adhesives.....	2,550	2,552	2,509	-0.1	1.7	0.0	2,799	2,816	2,703	2,936	18,070	19,960	-9.5
Plastics and rubber products.....	15,150	14,986	14,897	1.1	0.6	-0.3	15,774	16,232	15,448	18,492	105,813	126,132	-16.1

^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			
	July 2009 ^p	June 2009 ^r	May 2009	June - July	May - June	Apr. - May	July 2009 ^p	June 2009 ^r	May 2009	July 2008	2009 ^p	2008	Percent 2009/2008
All manufacturing industries ²	355,466	350,913	347,616	1.3	0.9	1.1	347,430	371,929	347,808	444,258	2,402,223	3,118,587	-23.0
Excluding transportation ²	311,662	313,959	305,681	-0.7	2.7	0.9	313,793	332,119	308,396	402,353	2,140,525	2,723,406	-21.4
Excluding defense ²	342,088	338,955	332,561	0.9	1.9	0.9	337,453	359,494	335,119	435,476	2,318,173	3,037,412	-23.7
With unfilled orders ²	124,517	117,408	119,135	6.1	-1.4	3.2	115,374	125,028	115,347	146,959	803,428	1,111,575	-27.7
Durable goods industries ²	168,973	160,821	162,674	5.1	-1.1	1.3	156,347	172,647	159,142	195,439	1,111,077	1,495,796	-25.7
Primary metals.....	13,425	13,074	11,649	2.7	12.2	-0.2	13,900	13,682	11,997	23,505	88,777	161,185	-44.9
Iron and steel mills.....	5,638	5,666	4,507	-0.5	25.7	1.2	5,879	5,834	4,636	13,108	35,937	83,874	-57.2
Aluminum and nonferrous metals.....	6,730	6,278	6,136	7.2	2.3	-0.8	6,982	6,600	6,339	8,497	44,962	64,362	-30.1
Ferrous metal foundries.....	1,057	1,130	1,006	-6.5	12.3	-2.6	1,039	1,248	1,022	1,900	7,878	12,949	-39.2
Fabricated metal products.....	23,191	22,516	22,410	3.0	0.5	-2.6	23,274	23,390	23,501	27,574	160,511	197,747	-18.8
Machinery.....	21,834	23,307	22,272	-6.3	4.6	7.2	21,561	24,297	21,865	31,694	153,871	220,295	-30.2
Construction machinery.....	1,182	1,123	1,007	5.3	11.5	9.6	1,072	947	847	2,644	6,534	20,415	-68.0
Mining, oil field, and gas field machinery.....	1,293	1,192	1,104	8.5	8.0	-7.5	1,202	1,149	1,098	1,890	8,025	12,632	-36.5
Industrial machinery.....	1,733	2,290	2,267	-24.3	1.0	74.0	1,995	2,301	1,801	3,882	12,584	23,161	-45.7
Photographic equipment.....	580	523	522	10.9	0.2	10.8	569	511	482	571	3,581	3,898	-8.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,506	3,953	3,847	-11.3	2.8	-3.0	4,087	4,695	4,196	5,771	26,400	31,931	-17.3
Metalworking machinery.....	1,474	1,503	1,665	-1.9	-9.7	14.1	1,369	1,535	1,567	2,396	10,595	17,817	-40.5
Turbines, generators, and other power transmission equipment.....	2,800	3,190	2,651	-12.2	20.3	9.1	2,617	3,167	2,659	3,274	19,783	27,477	-28.0
Material handling equipment.....	1,618	1,512	1,598	7.0	-5.4	5.4	1,395	1,643	1,513	2,168	10,061	17,816	-43.5
Computers and electronic products ²	25,607	25,138	24,769	1.9	1.5	2.4	22,460	28,405	21,937	22,887	165,724	186,300	-11.0
Computers.....	2,530	2,754	2,818	-8.1	-2.3	29.5	2,631	2,936	2,483	2,887	17,279	21,879	-21.0
Nondefense communications equipment.....	4,822	4,590	4,164	5.1	10.2	7.2	3,991	5,280	3,838	4,256	27,791	34,203	-18.7
Defense communications equipment.....	562	333	788	68.8	-57.7	-28.1	434	551	569	375	5,395	5,172	4.3
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	3,529	3,383	3,188	4.3	6.1	-1.2	3,313	3,778	2,985	3,366	22,484	27,776	-19.1
Nondefense search and navigation equipment.....	741	766	824	-3.3	-7.0	-1.2	592	783	695	1,056	5,346	7,580	-29.5
Defense search and navigation equipment.....	2,849	2,930	2,965	-2.8	-1.2	2.0	2,312	2,895	2,394	1,866	19,183	18,206	5.4
Electromedical, measuring, and control instruments.....	7,621	7,528	7,177	1.2	4.9	-0.8	6,917	8,649	6,510	6,731	50,125	50,157	-0.1
Electrical equipment, appliances, and components.....	8,507	8,081	7,947	5.3	1.7	-2.0	8,536	8,547	8,085	10,535	57,551	76,708	-25.0
Electric lighting equipment.....	996	834	847	19.4	-1.5	9.3	988	885	867	922	6,474	7,543	-14.2
Household appliances.....	1,723	1,640	1,716	5.1	-4.4	-5.6	1,693	1,756	1,766	1,874	11,820	13,329	-11.3
Electrical equipment.....	2,604	2,532	2,430	2.8	4.2	-5.1	2,707	2,772	2,433	3,432	17,716	26,363	-32.8
Transportation equipment.....	43,804	36,954	41,935	18.5	-11.9	2.9	33,637	39,810	39,412	41,905	261,698	395,181	-33.8
Motor vehicle bodies, parts, and trailers.....	12,584	12,753	12,551	-1.3	1.6	-4.7	10,848	13,589	12,836	13,296	90,161	115,609	-22.0
Nondefense aircraft and parts.....	9,100	4,437	6,383	105.1	-30.5	60.4	6,514	4,959	5,100	8,624	28,170	82,423	-65.8
Defense aircraft and parts.....	5,770	7,081	5,435	-18.5	30.3	0.3	4,776	7,476	4,500	4,799	36,641	32,322	13.4
Ships and boats.....	1,870	1,333	1,628	40.3	-18.1	-12.5	1,059	1,314	1,350	1,167	9,333	16,146	-42.2
Furniture and related products.....	5,065	4,954	5,066	2.2	-2.2	-1.5	5,246	5,118	5,349	6,591	36,657	46,323	-20.9
Nondurable goods industries.....	186,493	190,092	184,942	-1.9	2.8	0.9	191,083	199,282	188,666	248,819	1,291,146	1,622,791	-20.4

^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 July 09/08
	July 2009 ^P	June 2009 ^r	May 2009	June - July	May - June	Apr. - May	July 2009 ^P	June 2009 ^r	May 2009	July 2008	
All manufacturing industries ¹	740,628	740,685	746,744	0.0	-0.8	-0.3	738,447	740,822	751,010	821,604	-10.1
Excluding transportation ¹	306,195	307,105	307,428	-0.3	-0.1	-0.7	307,594	308,160	311,141	360,961	-14.8
Excluding defense ¹	582,648	582,439	586,278	0.0	-0.7	-0.7	582,164	582,081	589,575	668,051	-12.9
Durable goods industries ¹	740,628	740,685	746,744	0.0	-0.8	-0.3	738,447	740,822	751,010	821,604	-10.1
Primary metals.....	14,698	14,333	13,536	2.5	5.9	-3.0	14,935	14,468	13,878	30,019	-50.2
Iron and steel mills.....	7,715	7,348	6,502	5.0	13.0	-3.1	7,910	7,469	6,758	19,237	-58.9
Aluminum and nonferrous metals.....	4,910	4,867	4,915	0.9	-1.0	-2.9	4,952	4,891	4,989	7,769	-36.3
Ferrous metal foundries.....	2,073	2,118	2,119	-2.1	0.0	-3.3	2,073	2,108	2,131	3,013	-31.2
Fabricated metal products.....	49,397	49,835	50,758	-0.9	-1.8	-1.6	50,232	50,760	52,325	63,199	-20.5
Machinery.....	86,755	87,557	87,577	-0.9	0.0	-1.0	86,725	87,120	88,215	104,829	-17.3
Construction machinery.....	8,410	8,576	8,829	-1.9	-2.9	-4.7	8,258	8,474	9,002	14,516	-43.1
Mining, oil field, and gas field machinery.....	5,485	5,664	5,746	-3.2	-1.4	-5.3	5,433	5,573	5,746	6,891	-21.2
Industrial machinery.....	10,925	11,339	11,344	-3.7	0.0	-1.4	11,104	11,270	11,466	17,138	-35.2
Photographic equipment.....	1,817	1,800	1,804	0.9	-0.2	0.2	1,784	1,781	1,813	1,732	3.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	18,703	18,695	18,217	0.0	2.6	1.8	18,990	18,627	18,291	16,818	12.9
Metalworking machinery.....	6,686	6,756	6,807	-1.0	-0.7	0.8	6,695	6,759	6,878	8,588	-22.0
Turbines, generators, and other power transmission equipment.....	13,428	13,296	13,523	1.0	-1.7	-1.8	13,497	13,320	13,659	14,555	-7.3
Material handling equipment.....	8,077	8,048	8,070	0.4	-0.3	0.6	7,951	8,134	8,136	9,699	-18.0
Computers and electronic products ¹	123,890	124,041	123,826	-0.1	0.2	0.4	123,497	124,073	124,413	123,589	-0.1
Computers.....	3,854	3,810	3,516	1.2	8.4	8.8	3,854	3,810	3,516	3,823	0.8
Nondefense communications equipment.....	28,880	28,668	28,404	0.7	0.9	0.9	28,895	28,766	29,007	28,791	0.4
Defense communications equipment.....	8,505	8,797	9,252	-3.3	-4.9	1.2	8,552	8,883	9,111	8,310	2.9
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	10,123	9,951	9,850	1.7	1.0	-0.3	10,119	9,902	9,827	10,617	-4.7
Nondefense search and navigation equipment.....	8,337	8,417	8,483	-1.0	-0.8	-0.2	8,179	8,323	8,481	7,372	10.9
Defense search and navigation equipment.....	37,692	37,600	37,525	0.2	0.2	0.5	37,350	37,657	37,748	36,556	2.2
Electromedical, measuring, and control instruments.....	26,499	26,798	26,796	-1.1	0.0	-1.1	26,548	26,732	26,723	28,120	-5.6
Electrical equipment, appliances, and components.....	20,158	20,106	20,343	0.3	-1.2	-1.7	20,547	20,168	20,648	25,613	-19.8
Electric lighting equipment.....	1,766	1,760	1,851	0.3	-4.9	-5.2	1,871	1,836	1,924	2,827	-33.8
Household appliances.....	504	441	468	14.3	-5.8	-2.5	497	380	479	659	-24.6
Electrical equipment.....	13,243	13,231	13,269	0.1	-0.3	-1.0	13,436	13,225	13,357	16,119	-16.6
Transportation equipment.....	434,433	433,580	439,316	0.2	-1.3	0.0	430,853	432,662	439,869	460,643	-6.5
Motor vehicle bodies, parts, and trailers.....	13,984	14,568	14,761	-4.0	-1.3	-0.6	14,302	14,419	14,742	17,591	-18.7
Nondefense aircraft and parts.....	286,024	284,430	287,297	0.6	-1.0	-0.3	283,499	283,365	287,195	304,844	-7.0
Defense aircraft and parts.....	48,507	48,197	47,310	0.6	1.9	-0.5	48,333	48,383	47,647	45,303	6.7
Ships and boats.....	19,233	19,431	19,929	-1.0	-2.5	-1.2	18,708	19,451	20,112	19,655	-4.8
Furniture and related products.....	6,031	6,131	6,314	-1.6	-2.9	-1.1	6,392	6,469	6,588	7,740	-17.4

^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				Percent Change July 09/08
	Monthly			Percent Change			Monthly				
	July 2009 ^p	June 2009 ^r	May 2009	June - July	May - June	Apr. - May	July 2009 ^p	June 2009 ^r	May 2009	July 2008	
All manufacturing industries	503,123	506,770	512,515	-0.7	-1.1	-0.8	504,958	502,809	513,561	563,051	-10.3
Excluding transportation	408,913	413,537	419,309	-1.1	-1.4	-0.9	410,144	410,651	419,671	474,064	-13.5
Excluding defense	476,859	480,746	486,259	-0.8	-1.1	-0.8	478,668	476,780	487,156	538,358	-11.1
With unfilled orders	252,620	254,527	258,790	-0.7	-1.6	-1.2	253,511	251,887	259,982	271,641	-6.7
Durable goods industries	313,748	316,667	321,576	-0.9	-1.5	-1.2	314,541	313,171	322,811	338,279	-7.0
Wood products	9,686	9,743	9,911	-0.6	-1.7	-2.5	9,543	9,470	9,668	10,401	-8.2
Nonmetallic mineral products	11,196	11,401	11,487	-1.8	-0.7	-0.2	11,218	11,467	11,713	11,951	-6.1
Primary metals	25,452	26,193	27,067	-2.8	-3.2	-3.2	25,714	26,036	26,889	34,420	-25.3
Iron and steel mills	14,225	14,798	15,556	-3.9	-4.9	-4.4	14,357	14,628	15,344	19,291	-25.6
Aluminum and nonferrous metals	8,937	9,048	9,103	-1.2	-0.6	-1.1	9,137	9,131	9,170	12,474	-26.8
Ferrous metal foundries	2,290	2,347	2,408	-2.4	-2.5	-3.3	2,220	2,277	2,375	2,655	-16.4
Fabricated metal products	37,919	38,684	39,625	-2.0	-2.4	-1.9	38,104	38,420	39,510	44,731	-14.8
Machinery	49,703	50,742	51,583	-2.0	-1.6	-1.5	49,209	50,076	51,843	54,090	-9.0
Farm machinery	3,065	3,182	3,256	-3.7	-2.3	-1.1	2,848	3,107	3,243	2,942	-3.2
Construction machinery	4,963	5,031	5,203	-1.4	-3.3	-2.3	4,905	5,022	5,301	5,594	-12.3
Mining, oil field, and gas field machinery	4,669	4,790	4,782	-2.5	0.2	-0.2	4,722	4,811	4,857	4,495	5.1
Industrial machinery	6,321	6,407	6,430	-1.3	-0.4	-2.1	6,265	6,477	6,512	6,821	-8.2
Photographic equipment	1,474	1,461	1,446	0.9	1.0	-1.1	1,489	1,463	1,480	1,390	7.1
Ventilation, heating, air-conditioning, and refrigeration equipment	3,975	4,061	4,096	-2.1	-0.9	-1.8	3,929	3,968	4,222	4,774	-17.7
Metalworking machinery	4,613	4,744	4,831	-2.8	-1.8	-3.5	4,624	4,632	4,795	5,338	-13.4
Turbines, generators, and other power transmission equipment	5,142	5,342	5,628	-3.7	-5.1	-1.8	5,122	5,121	5,603	6,103	-16.1
Material handling equipment	2,880	2,924	2,997	-1.5	-2.4	-1.7	2,840	2,904	3,002	3,407	-16.6
Computers and electronic products	43,735	44,275	45,590	-1.2	-2.9	-0.8	43,931	43,367	45,930	46,924	-6.4
Computers	1,033	1,026	1,014	0.7	1.2	-13.7	1,004	1,020	1,025	1,238	-18.9
Computer storage devices	1,229	1,268	1,323	-3.1	-4.2	-0.9	1,240	1,182	1,415	1,640	-24.4
Other peripheral equipment	2,004	2,036	2,069	-1.6	-1.6	-1.0	2,038	1,952	2,128	2,156	-5.5
Nondefense communications equipment	7,179	7,399	8,427	-3.0	-12.2	0.8	7,085	7,043	8,498	8,085	-12.4
Defense communications equipment	2,131	2,132	2,071	0.0	2.9	5.3	2,131	2,132	2,071	1,445	47.5
Audio and video equipment	688	703	731	-2.1	-3.8	-7.2	681	660	686	920	-26.0
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components	6,040	6,099	6,193	-1.0	-1.5	-1.4	6,145	6,008	6,232	6,935	-11.4
Nondefense search and navigation equipment	4,804	4,841	4,904	-0.8	-1.3	0.5	4,883	4,829	4,902	5,008	-2.5
Defense search and navigation equipment	3,541	3,500	3,544	1.2	-1.2	0.1	3,538	3,464	3,589	3,544	-0.2
Electromedical, measuring and control instruments	10,677	10,698	10,733	-0.2	-0.3	-1.3	10,679	10,478	10,828	10,632	0.4
Electrical equipment, appliances, and components	12,869	12,917	13,194	-0.4	-2.1	-1.5	12,883	12,819	13,369	15,206	-15.3
Electric lighting equipment	1,507	1,446	1,525	4.2	-5.2	-2.1	1,540	1,478	1,577	1,826	-15.7
Household appliances	2,100	2,088	2,075	0.6	0.6	1.7	2,127	2,086	2,126	1,992	6.8
Electrical equipment	4,031	4,110	4,240	-1.9	-3.1	-2.9	3,929	3,952	4,217	5,217	-24.7
Batteries	713	713	705	0.0	1.1	0.0	739	722	721	706	4.7
Transportation equipment	94,210	93,233	93,206	1.0	0.0	-0.3	94,814	92,158	93,890	88,987	6.5
Automobiles	1,785	1,828	1,883	-2.4	-2.9	-5.6	1,872	1,696	1,861	2,674	-30.0
Light trucks and utility vehicles	1,764	1,753	1,741	0.6	0.7	-5.4	1,746	1,758	1,762	2,635	-33.7
Heavy duty trucks	1,477	1,478	1,466	-0.1	0.8	-1.5	1,508	1,476	1,450	1,592	-5.3
Motor vehicle bodies, parts, and trailers	13,588	13,701	13,840	-0.8	-1.0	-1.1	13,662	13,531	13,892	16,734	-18.4
Nondefense aircraft and parts	48,347	47,672	47,121	1.4	1.2	0.2	48,655	47,004	47,537	39,539	23.1
Defense aircraft and parts	15,796	15,530	15,482	1.7	0.3	-0.4	15,873	15,604	15,591	14,391	10.3
Ships and boats	2,717	2,670	2,940	1.8	-9.2	2.8	2,640	2,629	2,878	2,838	-7.0
Furniture and related products	6,359	6,481	6,671	-1.9	-2.8	-2.6	6,444	6,593	6,754	8,112	-20.6
Miscellaneous durable goods	22,619	22,998	23,242	-1.6	-1.0	-0.4	22,681	22,765	23,245	23,457	-3.3
Nondurable goods industries	189,375	190,103	190,939	-0.4	-0.4	-0.1	190,417	189,638	190,750	224,772	-15.3
Food products	35,504	35,554	36,055	-0.1	-1.4	0.3	35,067	34,514	35,037	37,325	-6.0
Grain and oilseed milling	4,428	4,608	4,539	-3.9	1.5	3.5	4,334	4,567	4,382	4,927	-12.0
Dairy products	4,262	4,280	4,387	-0.4	-2.4	-1.1	4,428	4,417	4,559	4,653	-4.8
Meat, poultry, and seafood products	6,987	6,994	7,134	-0.1	-2.0	0.1	6,949	6,875	7,141	7,618	-8.8
Beverage and tobacco products	15,414	15,394	15,461	0.1	-0.4	-0.1	14,804	14,910	15,299	14,451	2.4
Beverages	11,384	11,382	11,440	0.0	-0.5	-0.4	11,016	11,049	11,312	10,880	1.3
Tobacco	4,030	4,012	4,021	0.4	-0.2	0.7	3,788	3,867	3,987	3,571	6.1
Textile mills	3,164	3,238	3,308	-2.3	-2.1	-2.2	3,124	3,194	3,298	3,682	-15.2
Textile products	2,698	2,726	2,779	-1.0	-1.9	-1.2	2,711	2,713	2,771	3,325	-18.5
Apparel	3,805	3,878	3,927	-1.9	-1.2	-1.5	3,969	4,000	3,892	4,697	-15.5
Leather and allied products	1,086	1,061	1,065	2.4	-0.4	-0.8	1,099	1,049	1,057	1,027	7.0
Paper products	13,695	13,789	13,769	-0.7	0.1	-1.7	13,640	13,729	13,828	15,408	-11.5
Pulp, paper, and paperboard mills	5,935	5,959	5,931	-0.4	0.5	-1.8	5,912	5,939	5,984	6,830	-13.4
Paperboard containers	3,776	3,835	3,840	-1.5	-0.1	-2.8	3,742	3,802	3,841	4,192	-10.7
Printing	5,637	5,726	5,946	-1.6	-3.7	-1.5	5,782	5,709	5,840	7,000	-17.4
Petroleum and coal products	26,781	26,436	25,352	1.3	4.3	3.5	28,169	27,600	26,092	45,379	-37.9
Petroleum refineries	24,599	24,224	23,112	1.5	4.8	4.4	25,989	25,404	23,838	42,844	-39.3
Chemical products	62,704	63,031	63,812	-0.5	-1.2	-0.8	63,194	63,206	64,283	69,758	-9.4
Pesticides, fertilizers, and other agricultural chemicals	3,171	3,164	3,310	0.2	-4.4	-0.8	2,858	2,833	3,328	2,970	-3.8
Pharmaceuticals and medicines	24,174	24,325	25,247	-0.6	-3.7	-0.1	24,613	24,784	25,418	24,310	1.2
Paints, coatings, and adhesives	2,964	2,953	2,964	0.4	-0.4	-1.0	2,978	2,994	3,009	3,139	-5.1
Plastics and rubber products	18,887	19,270	19,465	-2.0	-1.0	-0.5	18,858	19,014	19,353	22,720	-17.0

^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						Percent Change ⁶ 2009/2008
	Monthly			Percent Change			Monthly			Year to date			
	July 2009 ^p	June 2009 ^r	May 2009	June - July	May - June	Apr. - May	July 2009 ^p	June 2009 ^r	May 2009	July 2008	2009 ^p	2008	
SHIPMENTS													
All manufacturing industries	359,749	359,928	353,425	0.0	1.8	-0.8	355,321	384,312	356,944	448,540	2,488,750	3,105,214	-19.9
Construction materials and supplies.....	37,968	37,566	37,346	1.1	0.6	-0.9	39,925	41,714	38,602	46,018	263,904	307,358	-14.1
Information technology.....	25,424	24,561	23,924	3.5	2.7	-0.9	22,954	28,114	22,339	24,149	165,100	184,218	-10.4
Computers and related products	4,482	4,366	4,352	2.7	0.3	-0.5	4,001	5,305	3,744	4,341	29,496	35,203	-16.2
Motor vehicle and parts.....	23,514	22,834	22,780	3.0	0.2	-9.0	18,475	24,658	23,246	24,236	165,257	236,968	-30.3
Capital goods.....	67,608	67,412	66,240	0.3	1.8	-0.8	62,637	74,576	64,692	71,448	464,503	530,225	-12.4
Nondefense capital goods ³	57,166	56,529	55,904	1.1	1.1	-1.0	52,908	63,203	54,279	62,991	394,701	469,130	-15.9
Excluding aircraft.....	53,219	52,774	52,032	0.8	1.4	-0.4	49,776	58,603	50,195	58,971	366,895	437,692	-16.2
Defense capital goods ⁴	10,442	10,883	10,336	-4.1	5.3	0.4	9,729	11,373	10,413	8,457	69,802	61,095	14.3
Consumer goods.....	143,078	146,133	141,571	-2.1	3.2	0.2	142,118	151,844	143,504	190,338	983,861	1,281,689	-23.2
Consumer durable goods.....	21,746	21,020	21,489	3.5	-2.2	-6.7	18,191	22,510	21,579	23,775	151,871	213,597	-28.9
Consumer nondurable goods.....	121,332	125,113	120,082	-3.0	4.2	1.6	123,927	129,334	121,925	166,563	831,990	1,068,092	-22.1
NEW ORDERS													
All manufacturing industries ⁵	355,466	350,913	347,616	1.3	0.9	1.1	347,430	371,929	347,808	444,258	2,402,223	3,118,587	-23.0
Construction materials and supplies.....	37,721	37,518	36,884	0.5	1.7	-1.1	40,013	41,284	38,866	47,074	261,527	313,488	-16.6
Information technology.....	25,089	24,590	24,370	2.0	0.9	3.0	22,180	27,506	21,810	23,579	163,760	186,506	-12.2
Computers and related products	4,526	4,660	4,635	-2.9	0.5	15.9	4,045	5,599	4,027	4,207	29,260	35,309	-17.1
Motor vehicle and parts.....	22,930	22,641	22,688	1.3	-0.2	-8.4	18,358	24,335	22,931	24,576	163,910	235,994	-30.5
Capital goods.....	67,466	61,502	65,137	9.7	-5.6	8.8	59,266	65,962	60,115	72,356	414,639	569,830	-27.2
Nondefense capital goods ³	57,587	53,014	53,099	8.6	-0.2	9.1	52,135	57,399	49,862	65,996	350,590	507,677	-30.9
Excluding aircraft.....	52,088	52,237	50,326	-0.3	3.8	4.3	48,705	56,512	48,046	60,988	349,537	453,801	-23.0
Defense capital goods ⁴	9,879	8,488	12,038	16.4	-29.5	7.1	7,131	8,563	10,253	6,360	64,049	62,153	3.1
Consumer goods.....	143,294	146,127	141,300	-1.9	3.4	0.1	142,499	151,661	143,227	190,594	983,493	1,281,407	-23.2
Consumer durable goods.....	21,962	21,014	21,218	4.5	-1.0	-7.6	18,572	22,327	21,302	24,031	151,503	213,315	-29.0
Consumer nondurable goods.....	121,332	125,113	120,082	-3.0	4.2	1.6	123,927	129,334	121,925	166,563	831,990	1,068,092	-22.1
UNFILLED ORDERS													
All manufacturing industries ⁵	740,628	740,685	746,744	0.0	-0.8	-0.3	738,447	740,822	751,010	821,604	(X)	(X)	-10.1
Construction materials and supplies.....	47,071	47,318	47,366	-0.5	-0.1	-1.0	48,007	47,919	48,349	56,698	(X)	(X)	-15.3
Information technology.....	120,229	120,564	120,535	-0.3	0.0	0.4	119,905	120,679	121,287	120,712	(X)	(X)	-0.7
Computers and related products	3,854	3,810	3,516	1.2	8.4	8.8	3,854	3,810	3,516	3,823	(X)	(X)	0.8
Motor vehicle and parts.....	13,984	14,568	14,761	-4.0	-1.3	-0.6	14,302	14,419	14,742	17,591	(X)	(X)	-18.7
Capital goods.....	567,660	567,802	573,712	0.0	-1.0	-0.2	564,071	567,442	576,056	615,062	(X)	(X)	-8.3
Nondefense capital goods ³	426,126	425,705	429,220	0.1	-0.8	-0.6	424,159	424,932	430,736	477,362	(X)	(X)	-11.1
Excluding aircraft.....	175,374	176,505	177,042	-0.6	-0.3	-1.0	175,824	176,895	178,986	204,893	(X)	(X)	-14.2
Defense capital goods ⁴	141,534	142,097	144,492	-0.4	-1.7	1.2	139,912	142,510	145,320	137,700	(X)	(X)	1.6
Consumer goods.....	7,587	7,371	7,377	2.9	-0.1	-3.5	7,629	7,248	7,431	8,882	(X)	(X)	-14.1
Consumer durable goods.....	7,587	7,371	7,377	2.9	-0.1	-3.5	7,629	7,248	7,431	8,882	(X)	(X)	-14.1
TOTAL INVENTORIES													
All manufacturing industries	503,123	506,770	512,515	-0.7	-1.1	-0.8	504,958	502,809	513,561	563,051	(X)	(X)	-10.3
Construction materials and supplies.....	52,569	53,369	54,375	-1.5	-1.9	-1.7	52,644	52,825	54,358	60,832	(X)	(X)	-13.5
Information technology.....	39,666	40,018	41,298	-0.9	-3.1	-0.7	39,716	39,197	41,732	41,983	(X)	(X)	-5.4
Computers and related products	4,266	4,330	4,406	-1.5	-1.7	-4.2	4,282	4,154	4,568	5,034	(X)	(X)	-14.9
Motor vehicle and parts.....	18,614	18,760	18,930	-0.8	-0.9	-2.0	18,788	18,461	18,965	23,635	(X)	(X)	-20.5
Capital goods.....	158,264	159,466	161,417	-0.8	-1.2	-0.7	158,229	157,418	162,449	158,374	(X)	(X)	-0.1
Nondefense capital goods ³	138,026	139,419	141,161	-1.0	-1.2	-0.8	138,042	137,440	142,153	139,086	(X)	(X)	-0.8
Excluding aircraft.....	99,594	101,312	103,585	-1.7	-2.2	-1.2	99,357	99,862	104,330	108,082	(X)	(X)	-8.1
Defense capital goods ⁴	20,238	20,047	20,256	1.0	-1.0	-0.1	20,187	19,978	20,296	19,288	(X)	(X)	4.7
Consumer goods.....	142,690	143,025	144,053	-0.2	-0.7	0.1	143,658	142,709	143,631	169,338	(X)	(X)	-15.2
Consumer durable goods.....	24,487	24,852	25,373	-1.5	-2.1	-2.3	24,483	24,355	25,261	28,692	(X)	(X)	-14.7
Consumer nondurable goods.....	118,203	118,173	118,680	0.0	-0.4	0.6	119,175	118,354	118,370	140,646	(X)	(X)	-15.3

^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 July 09/08
	July 2009 ^P	June 2009 ^f	May 2009	June - July	May - June	Apr. - May	July 2009 ^P	June 2009 ^f	May 2009	July 2008	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	168,750	170,193	172,342	-0.8	-1.2	-1.0	169,611	168,946	171,431	193,574	-12.4
Durable goods industries.....	104,193	106,083	108,298	-1.8	-2.0	-1.8	104,759	104,519	107,394	116,464	-10.1
Wood products.....	3,936	4,046	4,208	-2.7	-3.8	-3.6	3,800	3,760	3,833	4,214	-9.8
Nonmetallic mineral products.....	4,665	4,695	4,672	-0.6	0.5	-0.2	4,685	4,694	4,672	4,913	-4.6
Primary metals.....	11,917	12,486	12,990	-4.6	-3.9	-3.0	11,920	12,341	12,667	13,104	-9.0
Fabricated metal products.....	13,782	14,245	14,642	-3.3	-2.7	-2.8	13,836	14,078	14,454	16,774	-17.5
Machinery.....	19,525	19,855	20,392	-1.7	-2.6	-1.4	19,559	19,605	20,374	21,129	-7.4
Computers and electronic products.....	13,872	13,973	14,465	-0.7	-3.4	-2.7	13,927	13,730	14,346	15,578	-10.6
Electrical equipment, appliances, and components.....	5,007	5,019	5,148	-0.2	-2.5	-1.6	5,009	4,963	5,195	6,162	-18.7
Transportation equipment.....	20,987	21,074	20,938	-0.4	0.6	-0.6	21,448	20,690	20,982	22,944	-6.5
Furniture and related products.....	3,096	3,165	3,274	-2.2	-3.3	-0.4	3,117	3,186	3,293	3,982	-21.7
Miscellaneous products.....	7,406	7,525	7,569	-1.6	-0.6	-1.1	7,458	7,472	7,578	7,664	-2.7
Nondurable goods industries.....	64,557	64,110	64,044	0.7	0.1	0.4	64,852	64,427	64,037	77,110	-15.9
Food products.....	13,348	13,453	13,522	-0.8	-0.5	1.4	13,164	13,292	13,258	14,023	-6.1
Beverage and tobacco products.....	4,413	4,400	4,422	0.3	-0.5	-0.6	4,255	4,294	4,389	4,255	0.0
Textiles.....	986	987	977	-0.1	1.0	-2.5	975	973	976	1,201	-18.8
Textile products.....	1,044	1,056	1,066	-1.1	-0.9	-1.1	1,058	1,058	1,060	1,328	-20.3
Apparel.....	964	981	989	-1.7	-0.8	0.0	973	991	988	1,085	-10.3
Leather and allied products.....	399	392	392	1.8	0.0	1.3	404	387	390	370	9.2
Paper products.....	6,676	6,651	6,672	0.4	-0.3	-2.5	6,615	6,596	6,636	7,385	-10.4
Printing.....	2,513	2,552	2,689	-1.5	-5.1	-1.8	2,546	2,576	2,634	3,167	-19.6
Petroleum and coal products.....	7,814	7,434	7,353	5.1	1.1	8.0	8,263	8,014	7,803	13,847	-40.3
Chemical products.....	18,875	18,601	18,352	1.5	1.4	-0.4	19,000	18,730	18,431	21,080	-9.9
Plastics and rubber products.....	7,525	7,603	7,610	-1.0	-0.1	-1.8	7,599	7,516	7,472	9,369	-18.9
WORK IN PROCESS											
All manufacturing industries.....	161,116	161,469	162,502	-0.2	-0.6	-0.2	161,481	159,717	163,311	166,990	-3.3
Durable goods industries.....	124,435	124,502	125,250	-0.1	-0.6	-0.2	124,791	123,152	126,242	123,950	0.7
Wood products.....	1,665	1,659	1,658	0.4	0.1	-2.2	1,674	1,646	1,676	1,936	-13.5
Nonmetallic mineral products.....	1,341	1,378	1,390	-2.7	-0.9	0.2	1,333	1,402	1,445	1,316	1.3
Primary metals.....	7,082	7,113	7,186	-0.4	-1.0	-2.9	7,312	7,160	7,229	11,105	-34.2
Fabricated metal products.....	11,594	11,708	12,074	-1.0	-3.0	-2.3	11,671	11,608	12,086	13,600	-14.2
Machinery.....	13,981	14,303	14,485	-2.3	-1.3	-0.4	13,826	14,184	14,652	14,886	-7.1
Computers and electronic products.....	20,730	21,087	21,587	-1.7	-2.3	0.1	20,830	20,723	21,952	21,306	-2.2
Electrical equipment, appliances, and components.....	2,546	2,583	2,665	-1.4	-3.1	-2.6	2,573	2,609	2,708	3,174	-18.9
Transportation equipment.....	61,243	60,328	59,778	1.5	0.9	0.7	61,279	59,480	60,032	51,740	18.4
Furniture and related products.....	1,101	1,126	1,115	-2.2	1.0	-6.7	1,109	1,133	1,122	1,287	-13.8
Miscellaneous products.....	3,152	3,217	3,312	-2.0	-2.9	0.6	3,184	3,207	3,340	3,600	-11.6
Nondurable goods industries.....	36,681	36,967	37,252	-0.8	-0.8	0.0	36,690	36,565	37,069	43,040	-14.8
Food products.....	2,151	2,182	2,219	-1.4	-1.7	0.0	1,879	1,901	1,970	2,037	-7.8
Beverage and tobacco products.....	4,450	4,491	4,457	-0.9	0.8	0.0	4,010	4,177	4,296	3,788	5.9
Textiles.....	671	694	740	-3.3	-6.2	1.1	672	688	710	910	-26.2
Textile products.....	336	334	331	0.6	0.9	-0.9	337	330	330	412	-18.2
Apparel.....	547	552	552	-0.9	0.0	-0.9	563	563	546	681	-17.3
Leather and allied products.....	83	80	84	3.8	-4.8	-2.3	83	76	84	89	-6.7
Paper products.....	1,280	1,327	1,310	-3.5	1.3	-1.1	1,288	1,333	1,319	1,510	-14.7
Printing.....	1,431	1,443	1,492	-0.8	-3.3	-2.6	1,499	1,377	1,416	1,801	-16.8
Petroleum and coal products.....	8,277	8,368	7,626	-1.1	9.7	3.6	8,642	8,429	7,652	14,149	-38.9
Chemical products.....	15,193	15,252	16,190	-0.4	-5.8	-1.2	15,475	15,499	16,488	15,162	2.1
Plastics and rubber products.....	2,262	2,244	2,251	0.8	-0.3	-1.3	2,242	2,192	2,236	2,501	-10.4
FINISHED GOODS											
All manufacturing industries.....	173,257	175,108	177,671	-1.1	-1.4	-1.1	173,866	174,146	178,819	202,487	-14.1
Durable goods industries.....	85,120	86,082	88,028	-1.1	-2.2	-1.7	84,991	85,500	89,175	97,865	-13.2
Wood products.....	4,085	4,038	4,045	1.2	-0.2	-1.4	4,069	4,064	4,159	4,251	-4.3
Nonmetallic mineral products.....	5,190	5,328	5,425	-2.6	-1.8	-0.3	5,200	5,371	5,596	5,722	-9.1
Primary metals.....	6,453	6,594	6,891	-2.1	-4.3	-3.8	6,482	6,535	6,993	10,211	-36.5
Fabricated metal products.....	12,543	12,731	12,909	-1.5	-1.4	-0.6	12,597	12,734	12,970	14,357	-12.3
Machinery.....	16,197	16,584	16,706	-2.3	-0.7	-2.4	15,824	16,287	16,817	18,075	-12.5
Computers and electronic products.....	9,133	9,215	9,538	-0.9	-3.4	0.1	9,174	8,914	9,632	10,040	-8.6
Electrical equipment, appliances, and components.....	5,316	5,315	5,381	0.0	-1.2	-0.7	5,301	5,247	5,466	5,870	-9.7
Transportation equipment.....	11,980	11,831	12,490	1.3	-5.3	-4.3	12,087	11,988	12,876	14,303	-15.5
Furniture and related products.....	2,162	2,190	2,282	-1.3	-4.0	-3.6	2,218	2,274	2,339	2,843	-22.0
Miscellaneous products.....	12,061	12,256	12,361	-1.6	-0.8	-0.3	12,039	12,086	12,327	12,193	-1.3
Nondurable goods industries.....	88,137	89,026	89,643	-1.0	-0.7	-0.5	88,875	88,646	89,644	104,622	-15.1
Food products.....	20,005	19,919	20,314	0.4	-1.9	-0.3	20,024	19,321	19,809	21,265	-5.8
Beverage and tobacco products.....	6,551	6,503	6,582	0.7	-1.2	0.0	6,539	6,439	6,614	6,408	2.0
Textiles.....	1,507	1,557	1,591	-3.2	-2.1	-3.5	1,477	1,533	1,590	1,571	-6.0
Textile products.....	1,318	1,336	1,382	-1.3	-3.3	-1.4	1,316	1,325	1,381	1,585	-17.0
Apparel.....	2,294	2,345	2,386	-2.2	-1.7	-2.2	2,433	2,446	2,358	2,931	-17.0
Leather and allied products.....	604	589	589	2.5	0.0	-2.0	612	586	583	568	7.7
Paper products.....	5,739	5,811	5,787	-1.2	0.4	-0.9	5,737	5,800	5,873	6,513	-11.9
Printing.....	1,693	1,731	1,765	-2.2	-1.9	-0.2	1,737	1,756	1,790	2,032	-14.5
Petroleum and coal products.....	10,690	10,634	10,373	0.5	2.5	0.4	11,264	11,157	10,637	17,383	-35.2
Chemical products.....	28,636	29,178	29,270	-1.9	-0.3	-1.0	28,719	28,977	29,364	33,516	-14.3
Plastics and rubber products.....	9,100	9,423	9,604	-3.4	-1.9	0.7	9,017	9,306	9,645	10,850	-16.9

^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			
	Jul 2009 ^p	Jun 2009 ^f	May 2009	Apr 2009	Jul 2009 ^p	Jun 2009 ^f	May 2009	Apr 2009
All manufacturing industries ²	1.40	1.41	1.45	1.45	(X)	(X)	(X)	(X)
Durable goods industries ²	1.81	1.86	1.91	1.88	5.95	6.00	6.15	6.04
Wood products.....	1.30	1.33	1.33	1.36	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.48	1.53	1.56	1.57	(X)	(X)	(X)	(X)
Primary metals.....	1.95	2.13	2.24	2.24	1.13	1.17	1.12	1.12
Fabricated metal products.....	1.60	1.65	1.71	1.70	2.17	2.20	2.26	2.25
Machinery.....	2.20	2.18	2.23	2.29	4.37	4.28	4.31	4.41
Computers and electronic products ²	1.46	1.59	1.64	1.62	5.43	5.62	5.79	5.72
Electrical equipment, appliances, and components.....	1.52	1.55	1.59	1.55	2.62	2.66	2.67	2.62
Transportation equipment.....	2.19	2.18	2.22	2.08	13.32	13.22	13.77	13.18
Furniture and related products.....	1.23	1.26	1.30	1.33	1.35	1.38	1.42	1.42
Miscellaneous products.....	1.83	1.92	1.93	1.93	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.02	1.00	1.03	1.04	(X)	(X)	(X)	(X)
Food products.....	0.72	0.71	0.73	0.72	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.43	1.36	1.40	1.35	(X)	(X)	(X)	(X)
Textiles.....	1.44	1.46	1.48	1.51	(X)	(X)	(X)	(X)
Textile products.....	1.56	1.59	1.58	1.55	(X)	(X)	(X)	(X)
Apparel.....	1.78	1.81	1.85	1.83	(X)	(X)	(X)	(X)
Leather and allied products.....	2.56	2.47	2.58	2.58	(X)	(X)	(X)	(X)
Paper products.....	1.07	1.08	1.08	1.09	(X)	(X)	(X)	(X)
Printing.....	0.77	0.78	0.80	0.80	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.78	0.71	0.77	0.82	(X)	(X)	(X)	(X)
Chemical products.....	1.26	1.25	1.27	1.29	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.25	1.29	1.31	1.31	(X)	(X)	(X)	(X)

^p Preliminary ^f 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	
	Jul ¹ 2009	Jul ² 2008- Jun 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	1.4	0.1	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.....	0.1	1.1	0.1	2.2	-0.1	0.9	0.0	0.4
Fabricated metal products.....	0.2	0.7	0.2	1.5	0.0	0.4	-0.3	0.4
Machinery.....	0.7	0.8	0.3	2.7	-0.1	0.5	-0.6	0.3
Computers and electronic products.....	0.2	1.1	0.3	1.2	0.0	0.1	0.1	0.3
Electrical equipment, appliances, and components.....	-0.1	0.7	0.0	2.1	0.1	0.6	0.0	0.6
Transportation equipment.....	-0.8	0.6	0.1	1.1	0.1	0.1	0.3	0.1
Furniture and related products.....	(X)	0.8	(X)	1.4	(X)	0.7	(X)	0.4
Miscellaneous products.....	(X)	0.6	(X)	0.7	(X)	0.6	(X)	0.2
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)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.5
Textile products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	1.0
Paper products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6
Printing.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	1.1
Petroleum and coal products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	1.2
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
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>.