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Full Report on Manufacturers' Shipments, Inventories and Orders July 2010

Summary

New orders for manufactured goods in July, up following two consecutive monthly decreases, increased \$0.6 billion or 0.1 percent to \$409.5 billion, the U.S. Census Bureau reported today. This followed a 0.6 percent June decrease. Excluding transportation, new orders decreased 1.5 percent.

Shipments, also up following two consecutive monthly decreases, increased \$4.4 billion or 1.1 percent to \$417.1 billion. This followed a 0.5 percent June decrease.

Unfilled orders, down following three consecutive monthly increases, decreased \$1.1 billion or 0.1 percent to \$802.8 billion. This followed a 0.1 percent June increase. The unfilled orders-to-shipments ratio was 5.53, down from 5.59 in June.

Inventories, up six of the last seven months, increased \$5.1 billion or 1.0 percent to \$526.0 billion. This followed a 0.1 percent June increase. The inventories-to-shipments ratio was unchanged at 1.26.

New Orders

New orders for manufactured durable goods in July, up following two consecutive monthly decreases, increased \$0.7 billion or 0.4 percent to \$193.0 billion, revised from the previously published 0.3 percent increase. This followed a 0.2 percent June decrease.

Transportation equipment, also up following two consecutive monthly decreases, had the largest increase, \$6.0 billion or 12.9 percent to \$52.5 billion.

New orders for manufactured nondurable goods decreased \$0.1 billion to \$216.5 billion.

Shipments

Shipments of manufactured durable goods in July, up four of the last five months, increased \$4.5 billion or 2.3 percent to \$200.6 billion, revised from the previously published 2.2 percent increase. This followed a 0.2 percent June increase.

Transportation equipment, also up four of the last five months, had the largest increase, \$3.4 billion or 7.0 percent to \$52.7 billion.

Shipments of manufactured nondurable goods, down four consecutive months, decreased \$0.1 billion to \$216.5 billion. This followed a 1.1 percent June decrease. Beverage and tobacco products, down two of the last three months, drove the decrease, down \$0.4 billion or 3.3 percent to \$10.5 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in July, down following three consecutive monthly increases, decreased \$1.1 billion or 0.1 percent to \$802.8 billion, unchanged from the previously published decrease. This followed a 0.1 percent June increase.

Computers and electronic products, down following four consecutive monthly increases, had the largest decrease, \$0.6 billion or 0.5 percent to \$121.0 billion.

Inventories

Inventories of manufactured durable goods in July, up seven consecutive months, increased \$1.7 billion or 0.6 percent to \$311.1 billion, unchanged from the previously published increase. This followed a 1.2 percent June increase.

Machinery, up five consecutive months, had the largest increase, \$0.8 billion or 1.6 percent to \$51.3 billion.

Inventories of manufactured nondurable goods, up following two consecutive monthly decreases, increased \$3.4 billion or 1.6 percent to \$214.9 billion. This followed a 1.6 percent June decrease. Petroleum and coal products, up following two consecutive decreases, led the increase, up \$2.7 billion or 7.3 percent to \$40.5 billion.

By stage of fabrication, July materials and supplies decreased 0.1 percent in durable goods and increased 2.5 percent in nondurable goods. Work in process increased 0.6 percent in durable goods and 1.0 percent in nondurable goods. Finished goods increased 1.2 percent in durable goods and 1.2 percent in nondurable goods.

Figures in text are adjusted for seasonality but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to <<http://www.census.gov/m3>>.

The advance report on durable goods for August is scheduled for release on September 24, 2010, at 8:30 a.m. EDT and the full report on October 4, 2010, at 10:00 a.m. EDT. See back page for survey description.

Table 1. Value of Manufacturers' Shipments for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	July 2010 ^p	June 2010 ^r	May 2010	June - July	May - June	Apr. - May	July 2010 ^p	June 2010 ^r	May 2010	July 2009	2010 ^p	2009	Percent 2010/2009
All manufacturing industries.....	417,089	412,660	414,648	1.1	-0.5	-1.8	407,856	438,567	419,566	375,680	2,873,398	2,605,743	10.3
Excluding transportation.....	364,379	363,390	367,330	0.3	-1.1	-1.7	365,765	385,242	373,119	337,150	2,541,789	2,288,248	11.1
Excluding defense.....	404,930	400,425	402,314	1.1	-0.5	-1.6	396,795	425,463	407,362	363,447	2,784,351	2,516,746	10.6
With unfilled orders.....	145,053	143,816	143,024	0.9	0.6	-0.2	134,954	156,329	142,305	124,283	979,963	905,476	8.2
Durable goods industries.....	200,621	196,120	195,799	2.3	0.2	-0.7	187,473	211,193	194,897	172,764	1,345,167	1,244,848	8.1
Wood products.....	6,661	6,695	7,170	-0.5	-6.6	-1.5	6,866	7,495	7,587	6,895	47,618	44,882	6.1
Nonmetallic mineral products.....	8,240	8,320	8,348	-1.0	-0.3	0.4	8,730	9,183	8,558	8,701	56,448	55,244	2.2
Primary metals.....	19,742	19,830	20,105	-0.4	-1.4	0.3	19,452	21,405	20,690	14,806	138,127	101,058	36.7
Iron and steel mills.....	9,331	9,624	9,877	-3.0	-2.6	1.8	9,273	10,584	10,161	6,440	66,096	44,280	49.3
Aluminum and nonferrous metals.....	9,181	9,005	9,046	2.0	-0.5	-1.2	9,001	9,478	9,281	7,446	63,715	49,475	28.8
Ferrous metal foundries.....	1,230	1,201	1,182	2.4	1.6	0.1	1,178	1,343	1,248	920	8,316	7,303	13.9
Fabricated metal products.....	27,117	27,413	27,631	-1.1	-0.8	0.3	26,792	29,274	28,059	25,834	188,026	179,716	4.6
Machinery.....	24,093	25,157	24,817	-4.2	1.4	3.3	23,078	27,367	25,407	21,541	170,005	164,001	3.7
Farm machinery.....	2,076	2,007	2,176	3.4	-7.8	8.9	2,010	1,985	2,493	1,711	15,121	14,900	1.5
Construction machinery.....	2,438	2,367	2,350	3.0	0.7	5.0	2,319	2,560	2,451	1,607	15,403	13,201	16.7
Mining, oil field, and gas field machinery.....	1,361	1,449	1,364	-6.1	6.2	-2.6	1,231	1,508	1,292	1,530	9,973	11,707	-14.8
Industrial machinery.....	2,462	2,638	2,940	-6.7	-10.3	12.9	2,385	2,977	2,949	2,144	18,724	16,118	16.2
Photographic equipment.....	714	759	763	-5.9	-0.5	0.3	674	825	702	760	5,005	4,827	3.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,522	2,598	2,579	-2.9	0.7	-2.8	2,675	3,374	2,667	3,014	17,841	19,199	-7.1
Metalworking machinery.....	1,837	1,881	1,831	-2.3	2.7	5.2	1,712	2,058	1,740	1,416	12,203	11,631	4.9
Turbines, generators, and other power transmission equipment.....	2,935	3,716	3,089	-21.0	20.3	10.7	2,693	3,791	3,194	2,331	20,780	20,012	3.8
Material handling equipment.....	1,591	1,555	1,607	2.3	-3.2	2.2	1,527	1,655	1,584	1,499	11,018	10,687	3.1
Computers and electronic products ²	33,991	31,672	32,664	7.3	-3.0	-2.9	33,338	33,264	30,570	30,145	222,002	197,674	12.3
Computers.....	4,152	4,287	4,214	-3.1	1.7	0.1	4,545	4,540	3,765	4,456	28,305	25,726	10.0
Computer storage devices.....	740	651	674	13.7	-3.4	-12.0	569	993	495	416	4,443	3,511	26.5
Other peripheral equipment.....	1,188	1,124	1,093	5.7	2.8	1.3	942	1,428	985	795	6,947	6,686	3.9
Nondefense communications equipment.....	2,928	2,932	3,136	-0.1	-6.5	-3.6	2,535	3,650	2,928	2,828	20,486	20,387	0.5
Defense communications equipment.....	599	532	558	12.6	-4.7	-11.7	579	523	558	559	3,774	3,882	-2.8
Audio and video equipment.....	408	454	404	-10.1	12.4	4.4	344	404	357	358	2,499	2,378	5.1
Electronic components.....	4,059	3,849	3,887	5.5	-1.0	-2.7	3,801	4,252	3,776	3,176	26,499	22,955	15.4
Nondefense search and navigation equipment.....	978	1,064	1,009	-8.1	5.5	0.9	855	1,183	985	903	7,151	7,122	0.4
Defense search and navigation equipment.....	2,851	2,943	3,072	-3.1	-4.2	1.3	2,522	3,078	3,080	2,857	20,753	20,702	0.2
Electromedical, measuring, and control instruments.....	9,063	8,715	8,862	4.0	-1.7	2.1	7,978	9,441	8,122	6,435	58,033	48,265	20.2
Electrical equipment, appliances, and components.....	9,528	9,515	9,445	0.1	0.7	-0.9	9,303	10,377	9,464	8,742	65,205	62,308	4.6
Electric lighting equipment.....	1,200	1,175	1,173	2.1	0.2	-0.6	1,134	1,202	1,157	1,056	8,011	7,639	4.9
Household appliances.....	1,616	1,639	1,639	-1.4	0.0	-8.2	1,530	1,827	1,675	1,535	11,577	11,305	2.4
Electrical equipment.....	3,147	3,160	3,110	-0.4	1.6	4.9	3,062	3,645	3,183	2,645	21,251	19,892	6.8
Batteries.....	721	736	751	-2.0	-2.0	-1.8	682	752	664	735	4,798	4,509	6.4
Transportation equipment.....	52,710	49,270	47,318	7.0	4.1	-2.3	42,091	53,325	46,447	38,530	331,609	317,495	4.4
Automobiles.....	6,539	6,113	5,778	7.0	5.8	-0.4	4,966	6,407	5,570	3,972	39,645	32,151	23.3
Light trucks and utility vehicles.....	6,206	5,693	5,256	9.0	8.3	2.2	4,040	6,012	5,146	3,487	36,230	38,792	-6.6
Heavy duty trucks.....	1,617	1,641	1,495	-1.5	9.8	-4.0	1,395	1,690	1,287	1,159	11,057	8,763	26.2
Motor vehicle bodies, parts, and trailers.....	18,417	17,753	17,254	3.7	2.9	2.6	14,613	18,672	17,182	12,458	116,094	99,596	16.6
Nondefense aircraft and parts.....	8,571	6,644	6,193	29.0	7.3	-10.6	7,074	8,130	5,960	6,442	46,789	54,055	-13.4
Defense aircraft and parts.....	5,015	5,217	5,037	-3.9	3.6	-10.0	4,488	5,807	4,855	4,678	36,661	35,324	3.8
Ships and boats.....	2,373	2,154	2,139	10.2	0.7	-4.8	2,187	2,255	2,315	2,030	15,734	15,198	3.5
Furniture and related products.....	5,563	5,654	5,604	-1.6	0.9	2.2	5,626	5,844	5,579	5,627	38,332	38,135	0.5
Miscellaneous durable goods.....	12,976	12,594	12,697	3.0	-0.8	-0.8	12,197	13,659	12,536	11,943	87,795	84,335	4.1
Nondurable goods industries.....	216,468	216,540	218,849	0.0	-1.1	-2.7	220,383	227,374	224,669	202,916	1,528,231	1,360,895	12.3
Food products.....	55,040	54,949	55,066	0.2	-0.2	-0.1	53,830	55,330	54,057	51,618	377,843	362,664	4.2
Grain and oilseed milling.....	7,300	7,362	7,611	-0.8	-3.3	-2.8	7,488	7,280	6,937	8,294	53,283	53,210	0.1
Dairy products.....	7,579	7,440	7,469	1.9	-0.4	-0.3	7,570	7,566	7,497	6,575	51,221	48,283	6.1
Meat, poultry, and seafood products.....	16,014	15,661	15,705	2.3	-0.3	0.4	16,085	16,193	15,953	13,999	108,829	99,158	9.8
Beverage and tobacco products.....	10,520	10,876	10,519	-3.3	3.4	-0.7	10,536	11,430	11,290	9,946	72,315	69,787	3.6
Beverages.....	7,488	7,576	7,570	-1.2	0.1	-0.5	7,504	8,130	8,341	7,011	51,696	49,085	5.3
Tobacco.....	3,032	3,300	2,949	-8.1	11.9	-1.0	3,032	3,300	2,949	2,935	20,619	20,702	-0.4
Textile mills.....	2,398	2,405	2,396	-0.3	0.4	2.1	2,309	2,537	2,442	2,034	16,496	14,496	13.8
Textile products.....	1,829	1,864	1,919	-1.9	-2.9	0.4	1,897	1,986	2,001	1,848	13,279	12,813	3.6
Apparel.....	1,273	1,295	1,313	-1.7	-1.4	1.0	1,317	1,290	1,266	1,290	8,762	8,829	-0.8
Leather and allied products.....	399	403	409	-1.0	-1.5	0.2	391	433	371	415	2,766	2,863	-3.4
Paper products.....	14,393	14,124	14,105	1.9	0.1	0.3	14,375	14,696	14,189	13,381	97,727	93,565	4.4
Pulp, paper, and paperboard mills.....	6,736	6,660	6,610	1.1	0.8	0.7	6,779	6,869	6,602	6,169	45,701	43,161	5.9
Paperboard containers.....	4,050	4,002	3,954	1.2	1.2	2.0	4,084	4,195	3,993	3,812	27,443	26,432	3.8
Printing.....	7,198	7,262	7,360	-0.9	-1.3	0.5	6,870	7,269	7,303	6,852	49,172	49,736	-1.1
Petroleum and coal products.....	49,130	49,355	51,271	-0.5	-3.7	-8.6	54,449	53,870	55,848	44,929	366,776	263,999	38.9
Petroleum refineries.....	46,103	46,216	47,952	-0.2	-3.6	-9.3	50,971	50,086	52,387	41,587	345,301	244,626	41.2
Chemical products.....	58,902	58,658	58,976	0.4	-0.5	-1.9	58,701	61,896	59,913	55,457	414,869	380,778	9.0
Pesticides, fertilizers, and other agricultural chemicals.....	3,690	3,698	3,424	-0.2	8.0	-9.8	3,215	4,093	4,440	2,246	29,579	21,091	40.2
Pharmaceuticals and medicines.....	15,577	15,543	15,468	0.2	0.5	0.6	15,387	15,954	15,201	15,787	106,724	110,706	-3.6
Paints, coatings, and adhesives.....	2,601	2,685	2,599	-3.1	3.3	-1.8	2,805	2,982	2,811	2,832	18,708	18,206	2.8
Plastics and rubber products.....	15,386	15,349	15,515	0.2	-1.1	-1.5	15,708	16,637	15,989	15,146	108,226	101,365	6.8

^p Preliminary^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes. See note at end of Table 2 relating to survey error and revision.

² Estimates and percent changes of shipments for the semiconductor industry are no longer shown separately, but are included in computers and electronic products, and all other applicable aggregate totals.

Table 2. Value of Manufacturers' New Orders for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	July 2010 ^P	June 2010 ^F	May 2010	June - July	May - June	Apr. - May	July 2010 ^P	June 2010 ^F	May 2010	July 2009	2010 ^P	2009	Percent 2010/2009
All manufacturing industries ²	409,480	408,867	411,469	0.1	-0.6	-1.8	396,599	433,552	413,250	365,208	2,842,937	2,498,283	13.8
Excluding transportation ²	356,949	362,357	364,445	-1.5	-0.6	-1.2	356,765	384,065	369,742	328,647	2,520,068	2,226,993	13.2
Excluding defense ²	397,353	396,739	398,747	0.2	-0.5	-1.8	387,478	420,958	402,290	355,470	2,754,889	2,415,569	14.0
With unfilled orders ²	143,942	144,635	145,154	-0.5	-0.4	-0.9	131,882	154,591	141,116	120,753	989,608	830,816	19.1
Durable goods industries ²	193,012	192,327	192,620	0.4	-0.2	-0.7	176,216	206,178	188,581	162,292	1,314,706	1,137,388	15.6
Primary metals.....	19,293	19,289	20,065	0.0	-3.9	-0.4	19,315	20,777	20,858	15,348	139,796	97,474	43.4
Iron and steel mills.....	9,000	9,047	9,848	-0.5	-8.1	1.4	9,180	10,056	10,406	6,952	67,349	42,662	57.9
Aluminum and nonferrous metals.....	9,080	9,027	9,029	0.6	0.0	-2.0	8,972	9,391	9,201	7,509	63,977	48,107	33.0
Ferrous metal foundries.....	1,213	1,215	1,188	-0.2	2.3	-3.4	1,163	1,330	1,251	887	8,470	6,705	26.3
Fabricated metal products.....	27,141	27,489	27,046	-1.3	1.6	-2.4	26,628	28,509	27,925	25,009	190,411	172,068	10.7
Machinery.....	24,488	28,336	27,209	-13.6	4.1	11.1	23,766	30,015	27,132	21,074	180,050	151,060	19.2
Construction machinery.....	2,700	2,326	2,842	16.1	-18.2	20.8	2,653	2,095	2,972	1,444	16,197	8,104	99.9
Mining, oil field, and gas field machinery.....	1,151	3,392	1,551	-66.1	118.7	45.1	1,067	3,376	1,490	1,356	11,324	9,603	17.9
Industrial machinery.....	2,761	3,023	2,872	-8.7	5.3	13.3	2,981	3,139	2,631	2,017	20,101	12,693	58.4
Photographic equipment.....	713	791	791	-9.9	0.0	0.3	654	838	702	764	5,098	4,810	6.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,297	2,893	2,787	-20.6	3.8	1.8	2,451	4,087	2,803	3,262	20,581	21,626	-4.8
Metalworking machinery.....	1,769	1,831	1,717	-3.4	6.6	-1.2	1,622	1,960	1,607	1,289	11,999	10,300	16.5
Turbines, generators, and other power transmission equipment.....	2,812	3,866	4,375	-27.3	-11.6	39.6	2,574	3,911	4,395	2,480	22,001	18,877	16.5
Material handling equipment.....	1,855	1,617	1,697	14.7	-4.7	1.0	1,673	1,714	1,613	1,325	11,727	9,618	21.9
Computers and electronic products ²	26,869	27,486	27,733	-2.2	-0.9	0.3	24,142	30,235	24,856	22,110	181,143	162,193	11.7
Computers.....	3,746	4,577	4,509	-18.2	1.5	8.4	4,139	4,830	4,060	3,880	28,212	24,195	16.6
Nondefense communications equipment.....	2,821	2,861	2,558	-1.4	11.8	-15.4	2,526	3,233	2,129	2,996	19,009	20,863	-8.9
Defense communications equipment.....	534	367	624	45.5	-41.2	5.8	366	434	544	336	3,901	4,025	-3.1
Electronic components.....	4,038	3,901	4,024	3.5	-3.1	-3.7	3,802	4,277	3,847	3,378	27,465	22,957	19.6
Nondefense search and navigation equipment.....	1,047	1,069	1,022	-2.1	4.6	-4.7	968	1,123	914	719	7,109	6,277	13.3
Defense search and navigation equipment.....	2,834	3,081	3,348	-8.0	-8.0	3.4	2,162	3,206	3,019	2,584	20,183	21,291	-5.2
Electromedical, measuring, and control instruments.....	8,986	8,892	9,031	1.1	-1.5	3.7	7,841	9,812	8,114	6,228	58,369	46,750	24.9
Electrical equipment, appliances, and components.....	9,492	10,082	9,714	-5.9	3.8	-0.5	9,437	11,040	9,795	9,001	68,955	61,068	12.9
Electric lighting equipment.....	1,181	1,128	1,208	4.7	-6.6	-9.6	1,084	1,338	1,208	1,113	8,337	7,484	11.4
Household appliances.....	1,581	1,615	1,671	-2.1	-3.4	-6.4	1,508	1,741	1,718	1,635	11,653	11,436	1.9
Electrical equipment.....	3,192	3,517	3,229	-9.2	8.9	5.2	3,274	4,011	3,330	2,783	23,387	18,916	23.6
Transportation equipment.....	52,531	46,510	47,024	12.9	-1.1	-6.6	39,834	49,487	43,508	36,561	322,869	271,290	19.0
Motor vehicle bodies, parts, and trailers.....	18,094	17,452	17,196	3.7	1.5	2.8	14,435	18,246	17,019	12,283	114,989	98,236	17.1
Nondefense aircraft and parts.....	9,309	5,292	7,084	75.9	-25.3	-30.2	6,916	6,156	5,503	6,672	45,120	23,013	96.1
Defense aircraft and parts.....	4,854	5,295	5,011	-8.3	5.7	-5.1	4,066	5,941	4,272	4,572	36,860	35,593	3.6
Ships and boats.....	2,006	1,739	1,584	15.4	9.8	-16.4	1,334	1,689	1,395	1,136	13,334	10,440	27.7
Furniture and related products.....	5,324	5,584	5,674	-4.7	-1.6	2.8	5,304	5,836	5,886	5,493	39,271	38,687	1.5
Nondurable goods industries.....	216,468	216,540	218,849	0.0	-1.1	-2.7	220,383	227,374	224,669	202,916	1,528,231	1,360,895	12.3

^P Preliminary^F Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

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. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change July 10/09
	July 2010 ^p	June 2010 ^r	May 2010	June - July	May - June	Apr. - May	July 2010 ^p	June 2010 ^r	May 2010	July 2009	
All manufacturing industries ²	802,786	803,897	803,078	-0.1	0.1	0.3	802,331	805,403	807,141	817,990	-1.9
Excluding transportation ²	326,211	327,143	323,564	-0.3	1.1	0.8	328,114	328,929	326,829	314,236	4.4
Excluding defense ²	649,405	650,484	649,558	-0.2	0.1	0.3	649,778	650,910	652,138	655,959	-0.9
Durable goods industries ²	802,786	803,897	803,078	-0.1	0.1	0.3	802,331	805,403	807,141	817,990	-1.9
Primary metals.....	17,591	18,040	18,581	-2.5	-2.9	-0.2	18,040	18,177	18,805	16,352	10.3
Iron and steel mills.....	9,595	9,926	10,503	-3.3	-5.5	-0.3	10,022	10,115	10,643	9,171	9.3
Aluminum and nonferrous metals.....	5,996	6,097	6,075	-1.7	0.4	-0.3	6,021	6,050	6,137	5,356	12.4
Ferrous metal foundries.....	2,000	2,017	2,003	-0.8	0.7	0.3	1,997	2,012	2,025	1,825	9.4
Fabricated metal products.....	53,830	53,806	53,730	0.0	0.1	-1.1	54,459	54,623	55,388	54,465	0.0
Machinery.....	97,064	96,669	93,490	0.4	3.4	2.6	97,211	96,523	93,875	87,517	11.1
Construction machinery.....	10,289	10,027	10,068	2.6	-0.4	5.1	10,210	9,876	10,341	10,122	0.9
Mining, oil field, and gas field machinery.....	7,481	7,691	5,748	-2.7	33.8	3.4	7,415	7,579	5,711	6,740	10.0
Industrial machinery.....	12,199	11,900	11,515	2.5	3.3	-0.6	12,368	11,772	11,610	11,189	10.5
Photographic equipment.....	2,557	2,558	2,526	0.0	1.3	1.1	2,528	2,548	2,535	2,443	3.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	20,733	20,958	20,663	-1.1	1.4	1.0	21,048	21,272	20,559	16,868	24.8
Metalworking machinery.....	6,185	6,253	6,303	-1.1	-0.8	-1.8	6,159	6,249	6,347	6,402	-3.8
Turbines, generators, and other power transmission equipment.....	14,045	14,168	14,018	-0.9	1.1	10.1	14,034	14,153	14,033	12,323	13.9
Material handling equipment.....	7,657	7,393	7,331	3.6	0.8	1.2	7,608	7,462	7,403	7,237	5.1
Computers and electronic products ²	120,992	121,616	121,190	-0.5	0.4	0.3	120,756	121,767	121,519	122,164	-1.2
Computers.....	5,278	5,684	5,394	-7.1	5.4	5.8	5,278	5,684	5,394	3,987	32.4
Nondefense communications equipment.....	21,380	21,487	21,558	-0.5	-0.3	-2.6	21,302	21,311	21,728	22,723	-6.3
Defense communications equipment.....	6,110	6,175	6,340	-1.1	-2.6	1.1	6,122	6,335	6,424	6,408	-4.5
Electronic components.....	11,703	11,724	11,672	-0.2	0.4	1.2	11,659	11,658	11,633	9,848	18.4
Nondefense search and navigation equipment.....	8,377	8,308	8,303	0.8	0.1	0.2	8,332	8,219	8,279	9,011	-7.5
Defense search and navigation equipment.....	39,099	39,116	38,978	0.0	0.4	0.7	39,016	39,376	39,248	41,763	-6.6
Electromedical, measuring, and control instruments.....	29,045	29,122	28,945	-0.3	0.6	0.6	29,047	29,184	28,813	28,424	2.2
Electrical equipment, appliances, and components.....	24,312	24,348	23,781	-0.1	2.4	1.1	24,851	24,717	24,054	22,049	12.7
Electric lighting equipment.....	2,291	2,310	2,357	-0.8	-2.0	1.5	2,451	2,501	2,365	2,153	13.8
Household appliances.....	495	530	554	-6.6	-4.3	6.1	466	488	574	457	2.0
Electrical equipment.....	15,424	15,379	15,022	0.3	2.4	0.8	15,696	15,484	15,118	14,330	9.5
Transportation equipment.....	476,575	476,754	479,514	0.0	-0.6	-0.1	474,217	476,474	480,312	503,754	-5.9
Motor vehicle bodies, parts, and trailers.....	13,465	13,788	14,089	-2.3	-2.1	-0.4	13,543	13,721	14,147	14,868	-8.9
Nondefense aircraft and parts.....	323,586	322,848	324,200	0.2	-0.4	0.3	321,896	322,054	324,028	334,976	-3.9
Defense aircraft and parts.....	47,767	47,928	47,850	-0.3	0.2	-0.1	47,947	48,369	48,235	51,302	-6.5
Ships and boats.....	16,477	16,844	17,259	-2.2	-2.4	-3.1	15,978	16,831	17,397	20,601	-22.4
Furniture and related products.....	6,454	6,693	6,763	-3.6	-1.0	1.0	6,829	7,151	7,159	6,674	2.3

^p Preliminary^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² 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 Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change July 10/09
	July 2010 ^p	June 2010 ^r	May 2010	June - July	May - June	Apr. - May	July 2010 ^p	June 2010 ^r	May 2010	July 2009	
All manufacturing industries.....	526,001	520,897	520,464	1.0	0.1	-0.4	530,591	520,862	523,793	517,098	2.6
Excluding transportation.....	445,960	440,823	441,291	1.2	-0.1	-0.6	449,265	441,008	443,457	437,139	2.8
Excluding defense.....	502,759	497,757	497,378	1.0	0.1	-0.4	507,375	497,814	500,668	494,040	2.7
With unfilled orders.....	252,819	251,239	248,014	0.6	1.3	1.1	254,671	249,951	249,887	246,285	3.4
Durable goods industries.....	311,129	309,396	305,591	0.6	1.2	1.2	313,150	307,750	307,880	305,364	2.5
Wood products.....	8,860	8,976	8,968	-1.3	0.1	1.6	8,763	8,812	8,766	8,740	0.3
Nonmetallic mineral products.....	11,245	11,193	11,151	0.5	0.4	0.0	11,290	11,257	11,408	11,939	-5.4
Primary metals.....	31,048	30,888	30,669	0.5	0.7	3.0	31,222	30,751	30,624	27,018	15.6
Iron and steel mills.....	18,789	18,676	18,415	0.6	1.4	4.7	18,882	18,546	18,275	15,571	21.3
Aluminum and nonferrous metals.....	10,457	10,408	10,483	0.5	-0.7	0.3	10,569	10,415	10,574	9,676	9.2
Ferrous metal foundries.....	1,802	1,804	1,771	-0.1	1.9	0.9	1,771	1,790	1,775	1,771	0.0
Fabricated metal products.....	41,993	41,722	41,188	0.6	1.3	0.8	42,245	41,593	41,232	40,771	3.6
Machinery.....	51,263	50,468	50,000	1.6	0.9	0.8	51,092	50,025	50,391	51,804	-1.4
Farm machinery.....	2,585	2,511	2,443	2.9	2.8	4.0	2,490	2,507	2,485	2,486	0.2
Construction machinery.....	5,005	4,949	4,780	1.1	3.5	1.4	4,958	4,967	4,842	4,785	3.6
Mining, oil field, and gas field machinery.....	5,849	5,630	5,710	3.9	-1.4	1.5	5,926	5,678	5,847	6,075	-2.5
Industrial machinery.....	6,650	6,593	6,622	0.9	-0.4	1.0	6,645	6,685	6,742	6,704	-0.9
Photographic equipment.....	1,567	1,531	1,479	2.4	3.5	1.4	1,618	1,541	1,483	1,550	4.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,516	3,520	3,462	-0.1	1.7	-1.3	3,515	3,483	3,605	3,737	-5.9
Metalworking machinery.....	3,936	3,954	3,963	-0.5	-0.2	0.6	3,954	3,903	3,975	4,301	-8.1
Turbines, generators, and other power transmission equipment.....	6,141	5,991	5,906	2.5	1.4	-0.5	6,100	5,712	5,844	6,162	-1.0
Material handling equipment.....	3,008	2,980	2,956	0.9	0.8	0.8	2,994	2,973	2,973	3,111	-3.8
Computers and electronic products ²	45,433	45,198	44,092	0.5	2.5	1.5	45,540	44,585	44,373	43,829	3.9
Computers.....	2,425	2,452	2,256	-1.1	8.7	8.6	2,306	2,468	2,305	1,711	34.8
Computer storage devices.....	1,047	1,053	1,015	-0.6	3.7	1.6	1,063	1,007	1,090	1,027	3.5
Other peripheral equipment.....	1,454	1,458	1,419	-0.3	2.7	0.4	1,495	1,433	1,471	1,548	-3.4
Nondefense communications equipment.....	6,003	5,887	5,598	2.0	5.2	1.4	5,931	5,631	5,652	5,795	2.3
Defense communications equipment.....	2,066	2,049	2,029	0.8	1.0	1.4	2,066	2,049	2,029	1,814	13.9
Audio and video equipment.....	395	389	376	1.5	3.5	-3.6	385	356	350	657	-41.4
Electronic components.....	7,471	7,436	7,307	0.5	1.8	2.6	7,571	7,288	7,355	6,647	13.9
Nondefense search and navigation equipment.....	3,798	3,771	3,757	0.7	0.4	-0.4	3,818	3,740	3,751	3,539	7.9
Defense search and navigation equipment.....	3,639	3,599	3,625	1.1	-0.7	-1.3	3,650	3,550	3,661	3,290	10.9
Electromedical, measuring and control instruments.....	11,794	11,782	11,569	0.1	1.8	0.3	11,848	11,627	11,621	11,889	-0.3
Electrical equipment, appliances, and components.....	14,427	14,211	13,906	1.5	2.2	1.8	14,604	14,179	14,106	14,209	2.8
Electric lighting equipment.....	1,550	1,548	1,565	0.1	-1.1	-0.4	1,594	1,581	1,618	1,701	-6.3
Household appliances.....	2,430	2,310	2,203	5.2	4.9	4.2	2,555	2,345	2,282	2,308	10.7
Electrical equipment.....	4,761	4,656	4,471	2.3	4.1	3.1	4,660	4,524	4,461	4,135	12.7
Batteries.....	985	978	975	0.7	0.3	0.6	1,026	993	1,008	1,077	-4.7
Transportation equipment.....	80,041	80,074	79,173	0.0	1.1	0.9	81,326	79,854	80,336	79,959	1.7
Automobiles.....	1,702	1,774	1,675	-4.1	5.9	7.1	1,727	1,656	1,740	1,171	47.5
Light trucks and utility vehicles.....	1,907	1,834	1,859	4.0	-1.3	4.4	1,922	1,830	1,971	1,403	37.0
Heavy duty trucks.....	1,333	1,309	1,352	1.8	-3.2	2.7	1,371	1,291	1,343	1,362	0.7
Motor vehicle bodies, parts, and trailers.....	15,927	15,833	15,594	0.6	1.5	1.1	15,960	15,562	15,756	14,442	10.5
Nondefense aircraft and parts.....	36,444	36,500	36,039	-0.2	1.3	1.3	37,556	36,802	36,777	36,624	2.5
Defense aircraft and parts.....	12,108	12,033	12,142	0.6	-0.9	-0.4	12,166	12,059	12,208	12,327	-1.3
Ships and boats.....	3,762	3,708	3,586	1.5	3.4	2.6	3,693	3,673	3,509	3,297	12.0
Furniture and related products.....	6,343	6,311	6,247	0.5	1.0	2.3	6,461	6,442	6,340	6,381	1.3
Miscellaneous durable goods.....	20,476	20,355	20,197	0.6	0.8	0.7	20,607	20,252	20,304	20,714	-0.5
Nondurable goods industries.....	214,872	211,501	214,873	1.6	-1.6	-2.5	217,441	213,112	215,913	211,734	2.7
Food products.....	40,560	40,385	40,485	0.4	-0.2	0.0	40,128	39,160	39,404	39,730	1.0
Grain and oilseed milling.....	5,271	5,050	5,078	4.4	-0.6	-0.3	5,215	4,967	4,863	4,904	6.3
Dairy products.....	5,349	5,417	5,360	-1.3	1.1	0.7	5,544	5,600	5,554	5,158	7.5
Meat, poultry, and seafood products.....	8,115	7,991	7,916	1.6	0.9	-0.2	8,078	7,783	7,955	7,542	7.1
Beverage and tobacco products.....	15,690	15,716	15,688	-0.2	0.2	0.5	15,032	15,213	15,490	15,452	-2.7
Beverages.....	12,047	12,054	12,021	-0.1	0.3	0.9	11,618	11,696	11,871	11,926	-2.6
Tobacco.....	3,643	3,662	3,667	-0.5	-0.1	-0.6	3,414	3,517	3,619	3,526	-3.2
Textile mills.....	3,107	3,069	3,026	1.2	1.4	1.0	3,103	3,071	3,059	3,179	-2.4
Textile products.....	2,941	2,934	2,892	0.2	1.5	1.0	2,961	2,943	2,904	2,803	5.6
Apparel.....	2,572	2,513	2,377	2.3	5.7	1.0	2,715	2,600	2,378	2,674	1.5
Leather and allied products.....	861	858	852	0.3	0.7	-0.5	890	866	849	955	-6.8
Paper products.....	14,193	14,107	14,054	0.6	0.4	0.4	14,143	13,981	14,065	14,222	-0.6
Pulp, paper, and paperboard mills.....	5,771	5,753	5,793	0.3	-0.7	-1.1	5,728	5,662	5,803	6,152	-6.9
Paperboard containers.....	4,106	4,047	3,967	1.5	2.0	3.1	4,095	4,026	3,977	3,842	6.6
Printing.....	5,364	5,419	5,403	-1.0	0.3	0.7	5,453	5,413	5,326	5,628	-3.1
Petroleum and coal products.....	40,533	37,788	40,986	7.3	-7.8	-13.2	43,506	41,249	42,770	38,776	12.2
Petroleum refineries.....	37,742	35,067	38,286	7.6	-8.4	-14.2	40,665	38,499	40,014	36,230	12.2
Chemical products.....	69,454	69,156	69,587	0.4	-0.6	0.2	69,982	69,209	70,114	69,784	0.3
Pesticides, fertilizers, and other agricultural chemicals.....	4,359	4,394	4,413	-0.8	-0.4	3.1	3,987	4,072	4,280	3,703	7.7
Pharmaceuticals and medicines.....	23,879	23,853	24,268	0.1	-1.7	-1.4	24,308	24,232	24,458	27,204	-10.6
Paints, coatings, and adhesives.....	3,274	3,260	3,232	0.4	0.9	1.5	3,341	3,328	3,300	3,221	3.7
Plastics and rubber products.....	19,597	19,556	19,523	0.2	0.2	1.4	19,528	19,407	19,554	18,531	5.4

^p Preliminary^r Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.² Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable aggregates totals, 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, 2}

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						Percent Change ⁶ 2010/ 2009
	Monthly			Percent Change			Monthly				Year to date		
	July 2010 ^p	June 2010 ^r	May 2010	June - July	May - June	Apr. - May	July 2010 ^p	June 2010 ^r	May 2010	July 2009	2010 ^p	2009	
SHIPMENTS													
All manufacturing industries	417,089	412,660	414,648	1.1	-0.5	-1.8	407,856	438,567	419,566	375,680	2,873,398	2,605,743	10.3
Construction materials and supplies.....	40,359	40,928	41,645	-1.4	-1.7	-0.5	41,678	45,541	42,950	41,491	281,791	272,717	3.3
Information technology.....	26,992	26,775	27,003	0.8	-0.8	-0.3	24,921	29,511	25,154	23,558	179,970	165,709	8.6
Computers and related products	6,080	6,062	5,981	0.3	1.4	-1.2	6,056	6,961	5,245	5,667	39,695	35,923	10.5
Motor vehicle and parts.....	32,779	31,200	29,783	5.1	4.8	1.6	25,014	32,781	29,185	21,076	203,026	179,302	13.2
Capital goods.....	74,548	73,494	72,565	1.4	1.3	-0.6	69,375	80,467	70,842	65,399	501,894	482,671	4.0
Nondefense capital goods ³	64,965	63,759	62,640	1.9	1.8	0.3	60,597	70,236	60,995	55,412	430,012	410,621	4.7
Excluding aircraft.....	59,231	59,847	59,295	-1.0	0.9	1.6	56,070	65,362	57,682	51,596	402,595	376,741	6.9
Defense capital goods ⁴	9,583	9,735	9,925	-1.6	-1.9	-6.2	8,778	10,231	9,847	9,987	71,882	72,050	-0.2
Consumer goods.....	167,743	166,834	167,797	0.5	-0.6	-2.9	166,480	174,062	171,627	152,345	1,169,750	1,043,598	12.1
Consumer durable goods.....	25,472	24,339	23,754	4.7	2.5	-0.4	20,662	25,716	23,643	19,185	164,072	156,349	4.9
Consumer nondurable goods.....	142,271	142,495	144,043	-0.2	-1.1	-3.3	145,818	148,346	147,984	133,160	1,005,678	887,249	13.3
NEW ORDERS													
All manufacturing industries ⁵	409,480	408,867	411,469	0.1	-0.6	-1.8	396,599	433,552	413,250	365,208	2,842,937	2,498,283	13.8
Construction materials and supplies.....	40,246	41,284	41,481	-2.5	-0.5	-1.4	41,389	46,081	43,092	41,230	285,721	268,918	6.2
Information technology.....	26,361	27,462	27,355	-4.0	0.4	1.0	23,883	29,994	24,586	22,231	179,556	162,769	10.3
Computers and related products	5,674	6,352	6,276	-10.7	1.2	4.5	5,650	7,251	5,540	5,091	39,602	34,392	15.1
Motor vehicle and parts.....	32,456	30,899	29,725	5.0	3.9	1.7	24,836	32,355	29,022	20,901	201,921	177,942	13.5
Capital goods.....	74,061	75,628	75,480	-2.1	0.2	-0.8	66,573	80,749	70,436	61,308	506,811	421,185	20.3
Nondefense capital goods ³	64,638	65,965	65,218	-2.0	1.1	-0.4	59,766	70,948	61,568	53,931	436,437	354,961	23.0
Excluding aircraft.....	58,733	63,279	61,094	-7.2	3.6	4.7	55,862	67,682	58,747	49,749	410,595	353,948	16.0
Defense capital goods ⁴	9,423	9,663	10,262	-2.5	-5.8	-3.4	6,807	9,801	8,868	7,377	70,374	66,224	6.3
Consumer goods.....	167,648	166,677	167,686	0.6	-0.6	-2.9	166,482	173,705	171,453	152,677	1,170,248	1,042,909	12.2
Consumer durable goods.....	25,377	24,182	23,643	4.9	2.3	-0.6	20,664	25,359	23,469	19,517	164,570	155,660	5.7
Consumer nondurable goods.....	142,271	142,495	144,043	-0.2	-1.1	-3.3	145,818	148,346	147,984	133,160	1,005,678	887,249	13.3
UNFILLED ORDERS													
All manufacturing industries ⁵	802,786	803,897	803,078	-0.1	0.1	0.3	802,331	805,403	807,141	817,990	(X)	(X)	-1.9
Construction materials and supplies.....	53,346	53,459	53,103	-0.2	0.7	-0.3	54,175	54,464	53,924	50,042	(X)	(X)	8.3
Information technology.....	117,948	118,579	117,892	-0.5	0.6	0.3	117,863	118,901	118,418	119,868	(X)	(X)	-1.7
Computers and related products	5,278	5,684	5,394	-7.1	5.4	5.8	5,278	5,684	5,394	3,987	(X)	(X)	32.4
Motor vehicle and parts.....	13,465	13,788	14,089	-2.3	-2.1	-0.4	13,543	13,721	14,147	14,868	(X)	(X)	-8.9
Capital goods.....	627,130	627,617	625,483	-0.1	0.3	0.5	625,369	628,171	627,889	643,979	(X)	(X)	-2.9
Nondefense capital goods ³	487,561	487,888	485,682	-0.1	0.5	0.5	486,594	487,425	486,713	496,135	(X)	(X)	-1.9
Excluding aircraft.....	194,226	194,724	191,292	-0.3	1.8	0.9	194,862	195,070	192,750	191,073	(X)	(X)	2.0
Defense capital goods ⁴	139,569	139,729	139,801	-0.1	-0.1	0.2	138,775	140,746	141,176	147,844	(X)	(X)	-6.1
Consumer goods.....	8,525	8,620	8,777	-1.1	-1.8	-1.2	8,515	8,513	8,870	7,414	(X)	(X)	14.9
Consumer durable goods.....	8,525	8,620	8,777	-1.1	-1.8	-1.2	8,515	8,513	8,870	7,414	(X)	(X)	14.9
TOTAL INVENTORIES													
All manufacturing industries	526,001	520,897	520,464	1.0	0.1	-0.4	530,591	520,862	523,793	517,098	(X)	(X)	2.6
Construction materials and supplies.....	55,142	55,096	54,676	0.1	0.8	0.8	55,275	54,789	54,841	54,665	(X)	(X)	1.1
Information technology.....	39,184	38,996	38,133	0.5	2.3	0.8	39,252	38,444	38,463	38,184	(X)	(X)	2.8
Computers and related products	4,926	4,963	4,690	-0.7	5.8	4.5	4,864	4,908	4,866	4,286	(X)	(X)	13.5
Motor vehicle and parts.....	20,869	20,750	20,480	0.6	1.3	2.0	20,980	20,339	20,810	18,378	(X)	(X)	14.2
Capital goods.....	147,565	146,629	144,726	0.6	1.3	0.9	148,615	146,051	146,227	146,680	(X)	(X)	1.3
Nondefense capital goods ³	129,617	128,737	126,883	0.7	1.5	1.2	130,751	128,277	128,411	128,986	(X)	(X)	1.4
Excluding aircraft.....	101,454	100,466	99,077	1.0	1.4	1.1	101,515	99,595	99,997	101,001	(X)	(X)	0.5
Defense capital goods ⁴	17,948	17,892	17,843	0.3	0.3	-0.8	17,864	17,774	17,816	17,694	(X)	(X)	1.0
Consumer goods.....	158,286	155,023	158,150	2.1	-2.0	-3.7	160,899	156,722	158,896	158,549	(X)	(X)	1.5
Consumer durable goods.....	22,726	22,428	21,976	1.3	2.1	2.5	22,909	22,072	22,110	21,997	(X)	(X)	4.1
Consumer nondurable goods.....	135,560	132,595	136,174	2.2	-2.6	-4.6	137,990	134,650	136,786	136,552	(X)	(X)	1.1

X Not Applicable ^p Preliminary ^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Topical series are regroupings of the separate industry categories.

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 Group¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change July 10/09
	July 2010 ^p	June 2010 ^r	May 2010	June - July	May - June	Apr. - May	July 2010 ^p	June 2010 ^r	May 2010	July 2009	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	177,478	175,837	175,180	0.9	0.4	-0.4	178,851	175,614	174,738	175,065	2.2
Durable goods industries.....	106,148	106,228	104,821	-0.1	1.3	1.4	106,656	105,132	104,149	105,710	0.9
Wood products.....	3,220	3,256	3,219	-1.1	1.1	2.5	3,161	3,085	2,940	3,179	-0.6
Nonmetallic mineral products.....	4,576	4,556	4,565	0.4	-0.2	-0.2	4,599	4,565	4,574	4,884	-5.8
Primary metals.....	12,146	12,270	11,871	-1.0	3.4	3.5	12,225	12,272	11,543	12,091	1.1
Fabricated metal products.....	15,529	15,564	15,382	-0.2	1.2	1.6	15,432	15,368	15,091	15,001	2.9
Machinery.....	19,646	19,622	19,500	0.1	0.6	1.7	19,800	19,502	19,568	20,477	-3.3
Computers and electronic products.....	15,353	15,155	15,018	1.3	0.9	2.5	15,296	14,912	14,920	15,236	0.4
Electrical equipment, appliances, and components.....	5,685	5,629	5,529	1.0	1.8	1.8	5,720	5,632	5,584	5,532	3.4
Transportation equipment.....	20,171	20,422	20,078	-1.2	1.7	-0.6	20,518	20,062	20,234	19,455	5.5
Furniture and related products.....	3,092	3,050	3,010	1.4	1.3	1.3	3,120	3,073	3,038	2,917	7.0
Miscellaneous products.....	6,730	6,704	6,649	0.4	0.8	0.8	6,785	6,661	6,657	6,938	-2.2
Nondurable goods industries.....	71,330	69,609	70,359	2.5	-1.1	-3.0	72,195	70,482	70,589	69,355	4.1
Food products.....	14,091	13,666	13,656	3.1	0.1	-0.7	14,025	13,483	13,373	13,938	0.6
Beverage and tobacco products.....	4,183	4,207	4,276	-0.6	-1.6	-0.3	4,021	4,084	4,257	4,145	-3.0
Textiles.....	1,151	1,133	1,110	1.6	2.1	0.2	1,162	1,135	1,122	1,112	4.5
Textile products.....	1,202	1,190	1,178	1.0	1.0	1.4	1,220	1,196	1,176	1,163	4.9
Apparel.....	659	641	612	2.8	4.7	0.0	678	654	620	662	2.4
Leather and allied products.....	338	338	328	0.0	3.0	0.9	347	337	327	344	0.9
Paper products.....	6,995	6,985	6,912	0.1	1.1	0.2	6,939	6,893	6,832	6,896	0.6
Printing.....	2,333	2,330	2,322	0.1	0.3	1.3	2,358	2,348	2,287	2,329	1.2
Petroleum and coal products.....	10,272	9,127	9,743	12.5	-6.3	-17.5	11,096	10,352	10,419	10,036	10.6
Chemical products.....	21,981	21,844	22,084	0.6	-1.1	-0.8	22,133	21,904	22,185	21,316	3.8
Plastics and rubber products.....	8,125	8,148	8,138	-0.3	0.1	1.0	8,216	8,096	7,991	7,414	10.8
WORK IN PROCESS											
All manufacturing industries.....	158,005	156,874	156,583	0.7	0.2	-0.6	159,118	156,412	157,683	152,285	4.5
Durable goods industries.....	113,820	113,114	111,791	0.6	1.2	1.0	114,862	112,781	112,948	109,526	4.9
Wood products.....	1,679	1,722	1,714	-2.5	0.5	0.7	1,678	1,730	1,725	1,583	6.0
Nonmetallic mineral products.....	1,327	1,318	1,288	0.7	2.3	0.4	1,330	1,347	1,337	1,379	-3.6
Primary metals.....	8,708	8,715	9,139	-0.1	-4.6	3.0	9,007	8,808	9,239	7,557	19.2
Fabricated metal products.....	11,625	11,510	11,303	1.0	1.8	-1.2	11,765	11,444	11,383	10,875	8.2
Machinery.....	14,290	13,791	13,760	3.6	0.2	-0.5	14,159	13,630	13,878	14,203	-0.3
Computers and electronic products.....	20,258	20,274	19,618	-0.1	3.3	1.5	20,320	20,150	19,897	18,881	7.6
Electrical equipment, appliances, and components.....	3,197	3,136	3,096	1.9	1.3	0.7	3,249	3,121	3,182	3,116	4.3
Transportation equipment.....	48,394	48,324	47,650	0.1	1.4	1.3	48,957	48,196	48,036	47,937	2.1
Furniture and related products.....	1,028	1,024	1,020	0.4	0.4	2.1	1,037	1,032	1,030	1,047	-1.0
Miscellaneous products.....	3,314	3,300	3,203	0.4	3.0	1.2	3,360	3,323	3,241	2,948	14.0
Nondurable goods industries.....	44,185	43,760	44,792	1.0	-2.3	-4.2	44,256	43,631	44,735	42,759	3.5
Food products.....	3,456	3,485	3,459	-0.8	0.8	1.0	2,959	2,981	3,017	3,057	-3.2
Beverage and tobacco products.....	5,829	5,826	5,780	0.1	0.8	1.2	5,253	5,438	5,571	5,270	-0.3
Textiles.....	674	679	679	-0.7	0.0	1.3	679	679	685	664	2.3
Textile products.....	482	492	495	-2.0	-0.6	0.6	485	493	499	480	1.0
Apparel.....	378	366	339	3.3	8.0	4.3	394	376	344	363	8.5
Leather and allied products.....	76	77	74	-1.3	4.1	5.7	75	74	73	71	5.6
Paper products.....	1,396	1,335	1,338	4.6	-0.2	-1.7	1,404	1,337	1,344	1,385	1.4
Printing.....	1,291	1,334	1,342	-3.2	-0.6	0.8	1,304	1,273	1,266	1,397	-6.7
Petroleum and coal products.....	12,942	12,413	13,408	4.3	-7.4	-11.0	13,835	13,094	13,805	10,887	27.1
Chemical products.....	15,368	15,474	15,662	-0.7	-1.2	-2.8	15,600	15,649	15,928	17,095	-8.7
Plastics and rubber products.....	2,293	2,279	2,216	0.6	2.8	1.6	2,268	2,237	2,203	2,090	8.5
FINISHED GOODS											
All manufacturing industries.....	190,518	188,186	188,701	1.2	-0.3	-0.2	192,622	188,836	191,372	189,748	1.5
Durable goods industries.....	91,161	90,054	88,979	1.2	1.2	1.2	91,632	89,837	90,783	90,128	1.7
Wood products.....	3,961	3,998	4,035	-0.9	-0.9	1.2	3,924	3,997	4,101	3,978	-1.4
Nonmetallic mineral products.....	5,342	5,319	5,298	0.4	0.4	0.2	5,361	5,345	5,497	5,676	-5.5
Primary metals.....	10,194	9,903	9,659	2.9	2.5	2.3	9,990	9,671	9,842	7,370	35.5
Fabricated metal products.....	14,839	14,648	14,503	1.3	1.0	1.7	15,048	14,781	14,758	14,895	1.0
Machinery.....	17,327	17,055	16,740	1.6	1.9	1.0	17,133	16,893	16,945	17,124	0.1
Computers and electronic products.....	9,822	9,769	9,456	0.5	3.3	-0.2	9,924	9,523	9,556	9,712	2.2
Electrical equipment, appliances, and components.....	5,545	5,446	5,281	1.8	3.1	2.4	5,635	5,426	5,340	5,561	1.3
Transportation equipment.....	11,476	11,328	11,445	1.3	-1.0	1.4	11,851	11,596	12,066	12,567	-5.7
Furniture and related products.....	2,223	2,237	2,217	-0.6	0.9	3.8	2,304	2,337	2,272	2,417	-4.7
Miscellaneous products.....	10,432	10,351	10,345	0.8	0.1	0.4	10,462	10,268	10,406	10,828	-3.4
Nondurable goods industries.....	99,357	98,132	99,722	1.2	-1.6	-1.4	100,990	98,999	100,589	99,620	1.4
Food products.....	23,013	23,234	23,370	-1.0	-0.6	0.3	23,144	22,696	23,014	22,735	1.8
Beverage and tobacco products.....	5,678	5,683	5,632	-0.1	0.9	0.4	5,758	5,691	5,662	6,037	-4.6
Textiles.....	1,282	1,257	1,237	2.0	1.6	1.6	1,262	1,257	1,252	1,403	-10.0
Textile products.....	1,257	1,252	1,219	0.4	2.7	0.9	1,256	1,254	1,229	1,160	8.3
Apparel.....	1,535	1,506	1,426	1.9	5.6	0.7	1,643	1,570	1,414	1,649	-0.4
Leather and allied products.....	447	443	450	0.9	-1.6	-2.4	468	455	449	540	-13.3
Paper products.....	5,802	5,787	5,804	0.3	-0.3	1.1	5,800	5,751	5,889	5,941	-2.4
Printing.....	1,740	1,755	1,739	-0.9	0.9	-0.3	1,791	1,792	1,773	1,902	-5.8
Petroleum and coal products.....	17,319	16,248	17,835	6.6	-8.9	-12.2	18,575	17,803	18,546	17,853	4.0
Chemical products.....	32,105	31,838	31,841	0.8	0.0	2.5	32,249	31,656	32,001	31,373	2.8
Plastics and rubber products.....	9,179	9,129	9,169	0.5	-0.4	1.7	9,044	9,074	9,360	9,027	0.2

^p Preliminary^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

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 Group³

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Jul 2010 ^P	Jun 2010 ^r	May 2010	Apr 2010	Jul 2010 ^P	Jun 2010 ^r	May 2010	Apr 2010
All manufacturing industries ²	1.26	1.26	1.26	1.24	(X)	(X)	(X)	(X)
Durable goods industries ²	1.55	1.58	1.56	1.53	5.53	5.59	5.61	5.59
Wood products.....	1.33	1.34	1.25	1.21	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.36	1.35	1.34	1.34	(X)	(X)	(X)	(X)
Primary metals.....	1.57	1.56	1.53	1.49	0.89	0.91	0.92	0.93
Fabricated metal products.....	1.55	1.52	1.49	1.48	2.05	2.02	2.00	2.03
Machinery.....	2.13	2.01	2.01	2.06	4.53	4.28	4.24	4.27
Computers and electronic products ²	1.34	1.43	1.35	1.29	4.91	5.00	4.90	4.87
Electrical equipment, appliances, and components.....	1.51	1.49	1.47	1.43	2.76	2.77	2.74	2.68
Transportation equipment.....	1.52	1.63	1.67	1.62	12.43	13.31	13.78	13.36
Furniture and related products.....	1.14	1.12	1.11	1.11	1.33	1.36	1.40	1.40
Miscellaneous products.....	1.58	1.62	1.59	1.57	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.99	0.98	0.98	0.98	(X)	(X)	(X)	(X)
Food products.....	0.74	0.73	0.74	0.73	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.49	1.45	1.49	1.47	(X)	(X)	(X)	(X)
Textiles.....	1.30	1.28	1.26	1.28	(X)	(X)	(X)	(X)
Textile products.....	1.61	1.57	1.51	1.50	(X)	(X)	(X)	(X)
Apparel.....	2.02	1.94	1.81	1.81	(X)	(X)	(X)	(X)
Leather and allied products.....	2.16	2.13	2.08	2.10	(X)	(X)	(X)	(X)
Paper products.....	0.99	1.00	1.00	1.00	(X)	(X)	(X)	(X)
Printing.....	0.75	0.75	0.73	0.73	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.83	0.77	0.80	0.84	(X)	(X)	(X)	(X)
Chemical products.....	1.18	1.18	1.18	1.15	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.27	1.27	1.26	1.22	(X)	(X)	(X)	(X)

X Not Applicable ^P Preliminary ^r Revised data due to late receipts and concurrent seasonal adjustment.

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 Changes³

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Jul ¹ 2010	Jul ² 2009-Jun 2010	Jul ¹ 2010	Jul ² 2009-Jun 2010	Jul ¹ 2010	Jul ² 2009-Jun 2010	Jul ¹ 2010	Jul ² 2009-Jun 2010
	2010	2010	2010	2010	2010	2010	2010	2010
All manufacturing industries.....	(X)	0.3	(X)	0.4	(X)	0.1	(X)	0.1
Durable goods industries.....	0.1	0.4	0.1	0.6	0.0	0.1	0.0	0.2
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.3	0.6	-0.7	1.2	-0.7	0.8	0.0	0.3
Fabricated metal products.....	-0.2	0.5	-0.3	0.8	-0.1	0.2	0.0	0.2
Machinery.....	0.4	0.7	1.4	1.7	0.4	0.3	-0.3	0.3
Computers and electronic products.....	0.5	0.9	0.2	1.0	-0.1	0.2	-0.1	0.4
Electrical equipment, appliances, and components.....	0.0	0.5	0.0	1.2	0.0	0.5	0.8	0.4
Transportation equipment.....	0.1	1.1	-0.2	1.2	0.0	0.1	0.0	0.3
Furniture and related products.....	(X)	0.5	(X)	1.2	(X)	0.7	(X)	0.3
Miscellaneous products.....	(X)	0.4	(X)	0.5	(X)	0.3	(X)	0.2
Nondurable goods industries.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.7
Textile products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	1.5	(X)	(NA)	(X)	(NA)	(X)	0.8
Paper products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.7
Petroleum and coal products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	1.4
Chemical products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3

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.

³ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,300 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 64 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 4,300 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 4,300 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections 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>.