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

Summary

New orders for manufactured goods in August, down three of the last four months, decreased \$2.2 billion or 0.5 percent to \$408.9 billion, the U.S. Census Bureau reported today. This followed a 0.5 percent July increase. Excluding transportation, new orders increased 0.9 percent.

Shipments, also down three of the last four months, decreased \$2.5 billion or 0.6 percent to \$415.1 billion. This followed a 1.2 percent July increase.

Unfilled orders, down following four consecutive monthly increases, decreased \$0.1 billion to \$804.0 billion. This followed a slight July increase. The unfilled orders-to-shipments ratio was 5.59, up from 5.53 in July.

Inventories, up seven of the last eight months, increased \$0.7 billion or 0.1 percent to \$526.4 billion. This followed a 0.9 percent July increase. The inventories-to-shipments ratio was 1.27, up from 1.26 in July.

New Orders

New orders for manufactured durable goods in August, down three of the last four months, decreased \$2.8 billion or 1.5 percent to \$191.9 billion, revised from the previously published 1.3 percent decrease. This followed a 1.2 percent July increase.

Transportation equipment, also down three of the last four months, had the largest decrease, \$5.3 billion or 10.2 percent to \$46.6 billion.

New orders for manufactured nondurable goods increased \$0.7 billion or 0.3 percent to \$217.1 billion.

Shipments

Shipments of manufactured durable goods in August, down following two consecutive monthly increases, decreased \$3.1 billion or 1.6 percent to \$198.0 billion, revised from the previously published 1.5 percent decrease. This followed a 2.5 percent July increase.

Transportation equipment, also down following two consecutive monthly increases, had the largest decrease, \$3.1 billion or 5.8 percent to \$49.5 billion.

Shipments of manufactured nondurable goods, up following four consecutive monthly decreases, increased \$0.7 billion or 0.3 percent to \$217.1 billion. This followed a 0.1 percent July decrease. Chemical products, up two consecutive months, led the increase, up \$0.4 billion or 0.7 percent to \$59.2 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in August, down following four consecutive monthly increases, decreased \$0.1 billion to \$804.0 billion, revised from the previously published 0.1 percent decrease. This followed a slight July increase.

Transportation equipment, down four consecutive months, had the largest decrease, \$3.0 billion or 0.6 percent to \$473.1 billion.

Inventories

Inventories of manufactured durable goods in August, up eight consecutive months, increased \$1.3 billion or 0.4 percent to \$312.4 billion, unchanged from the previously published increase. This followed a 0.6 percent July increase.

Transportation equipment, also up eight consecutive months, had the largest increase, \$0.6 billion or 0.8 percent to \$81.0 billion.

Inventories of manufactured nondurable goods, down three of the last four months, decreased \$0.7 billion or 0.3 percent to \$214.0 billion. This followed a 1.5 percent July increase. Petroleum and coal products, down three of the last four months, drove the decrease, down \$1.2 billion or 2.9 percent to \$39.2 billion.

By stage of fabrication, August materials and supplies decreased 0.1 percent in durable goods and 1.1 percent in nondurable goods. Work in process increased 0.7 percent in durable goods and 0.5 percent in nondurable goods. Finished goods increased 0.7 percent in durable goods and decreased 0.1 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 September is scheduled for release on October 27, 2010, at 8:30 a.m. EDT and the full report on November 3, 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		
	Aug. 2010 ^P	July 2010 ^F	June 2010	July - Aug.	June - July	May - June	Aug. 2010 ^P	July 2010 ^F	June 2010	Aug. 2009	2010 ^P	2009	Percent 2010/2009
All manufacturing industries.....	415,050	417,504	412,660	-0.6	1.2	-0.5	430,731	407,832	438,567	395,470	3,304,105	3,001,213	10.1
Excluding transportation.....	365,501	364,881	363,390	0.2	0.4	-1.1	379,676	365,546	385,242	346,597	2,921,246	2,634,845	10.9
Excluding defense.....	403,191	405,327	400,425	-0.5	1.2	-0.5	419,234	396,717	425,463	381,950	3,203,507	2,898,696	10.5
With unfilled orders.....	143,854	145,407	143,816	-1.1	1.1	0.6	147,360	135,594	156,329	133,778	1,127,963	1,039,254	8.5
Durable goods industries.....	197,972	201,103	196,120	-1.6	2.5	0.2	203,378	188,091	211,193	185,082	1,549,163	1,429,930	8.3
Wood products.....	6,287	6,570	6,695	-4.3	-1.9	-6.6	6,801	6,821	7,495	7,160	54,374	52,042	4.5
Nonmetallic mineral products.....	8,204	8,232	8,320	-0.3	-1.1	-0.3	9,130	8,701	9,183	8,743	65,549	63,987	2.4
Primary metals.....	19,789	19,789	19,830	0.0	-0.2	-1.4	21,189	19,417	21,405	15,898	159,281	116,956	36.2
Iron and steel mills.....	9,425	9,341	9,624	0.9	-2.9	-2.6	10,151	9,226	10,584	6,811	76,200	51,091	49.1
Aluminum and nonferrous metals.....	9,120	9,216	9,005	-1.0	2.3	-0.5	9,727	9,014	9,478	8,010	73,455	57,485	27.8
Ferrous metal foundries.....	1,244	1,232	1,201	1.0	2.6	1.6	1,311	1,177	1,343	1,077	9,626	8,380	14.9
Fabricated metal products.....	27,160	27,034	27,413	0.5	-1.4	-0.8	29,349	26,768	29,274	27,381	217,351	207,097	5.0
Machinery.....	25,251	24,346	25,157	3.7	-3.2	1.4	24,579	23,228	27,367	21,184	194,734	185,185	5.2
Farm machinery.....	2,351	2,115	2,007	11.2	5.4	-7.8	2,184	1,998	1,985	1,556	17,293	16,456	5.1
Construction machinery.....	2,571	2,551	2,367	0.8	7.8	0.7	2,416	2,450	2,560	1,473	17,950	14,674	22.3
Mining, oil field, and gas field machinery.....	1,364	1,364	1,449	0.0	-5.9	6.2	1,293	1,235	1,508	1,414	11,270	13,121	-14.1
Industrial machinery.....	2,839	2,508	2,638	13.2	-4.9	-10.3	2,574	2,409	2,977	1,828	21,322	17,946	18.8
Photographic equipment.....	744	717	759	3.8	-5.5	-0.5	763	672	825	815	5,766	5,642	2.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,422	2,472	2,598	-2.0	-4.8	0.7	2,564	2,642	3,374	2,842	20,372	22,041	-7.6
Metalworking machinery.....	1,945	1,898	1,881	2.5	0.9	2.7	1,938	1,766	2,058	1,454	14,195	13,085	8.5
Turbines, generators, and other power transmission equipment.....	3,097	2,948	3,716	5.1	-20.7	20.3	3,035	2,670	3,791	2,715	23,792	22,727	4.7
Material handling equipment.....	1,676	1,613	1,555	3.9	3.7	-3.2	1,736	1,536	1,655	1,521	12,763	12,208	4.5
Computers and electronic products ²	33,661	34,383	31,672	-2.1	8.6	-3.0	32,548	33,627	33,264	29,204	254,839	226,878	12.3
Computers.....	4,750	4,436	4,287	7.1	3.5	1.7	4,497	4,814	4,540	3,298	33,071	29,024	13.9
Computer storage devices.....	746	752	651	-0.8	15.5	-3.4	546	569	993	439	4,989	3,950	26.3
Other peripheral equipment.....	1,113	1,164	1,124	-4.4	3.6	2.8	986	919	1,428	949	7,910	7,635	3.6
Nondefense communications equipment.....	2,949	2,964	2,932	-0.5	1.1	-6.5	2,863	2,546	3,650	3,139	23,360	23,526	-0.7
Defense communications equipment.....	509	596	532	-14.6	12.0	-4.7	505	579	523	593	4,279	4,475	-4.4
Audio and video equipment.....	421	411	454	2.4	-9.5	12.4	366	344	404	338	2,865	2,716	5.5
Electronic components.....	4,029	4,050	3,849	-0.5	5.2	-1.0	3,978	3,806	4,252	3,387	30,482	26,342	15.7
Nondefense search and navigation equipment.....	991	976	1,064	1.5	-8.3	5.5	1,006	855	1,183	1,062	8,157	8,184	-0.3
Defense search and navigation equipment.....	2,866	2,846	2,943	0.7	-3.3	-4.2	2,824	2,527	3,078	3,220	23,582	23,922	-1.4
Electromedical, measuring, and control instruments.....	8,816	8,981	8,715	-1.8	3.1	-1.7	8,445	7,977	9,441	7,384	66,477	55,649	19.5
Electrical equipment, appliances, and components.....	9,667	9,598	9,515	0.7	0.9	0.7	10,042	9,312	10,377	8,960	75,256	71,268	5.6
Electric lighting equipment.....	1,184	1,197	1,175	-1.1	1.9	0.2	1,184	1,134	1,202	1,104	9,195	8,743	5.2
Household appliances.....	1,629	1,620	1,639	0.6	-1.2	0.0	1,687	1,528	1,827	1,607	13,262	12,912	2.7
Electrical equipment.....	3,252	3,189	3,160	2.0	0.9	1.6	3,303	3,077	3,645	2,712	24,569	22,604	8.7
Batteries.....	756	747	736	1.2	1.5	-2.0	797	715	752	777	5,628	5,286	6.5
Transportation equipment.....	49,549	52,623	49,270	-5.8	6.8	4.1	51,055	42,286	53,325	48,873	382,859	366,368	4.5
Automobiles.....	6,181	6,458	6,113	-4.3	5.6	5.8	6,624	4,966	6,407	5,602	46,269	37,753	22.6
Light trucks and utility vehicles.....	5,799	6,275	5,693	-7.6	10.2	8.3	6,373	4,040	6,012	6,093	42,603	44,885	-5.1
Heavy duty trucks.....	1,627	1,636	1,641	-0.6	-0.3	9.8	1,594	1,395	1,690	1,365	12,651	10,128	24.9
Motor vehicle bodies, parts, and trailers.....	17,398	18,260	17,753	-4.7	2.9	2.9	18,436	14,763	18,672	16,611	134,680	116,207	15.9
Nondefense aircraft and parts.....	7,455	8,616	6,644	-13.5	29.7	7.3	7,313	7,074	8,130	6,762	54,102	60,817	-11.0
Defense aircraft and parts.....	4,987	5,010	5,217	-0.5	-4.0	3.6	4,727	4,487	5,807	5,458	41,387	40,782	1.5
Ships and boats.....	2,305	2,416	2,154	-4.6	12.2	0.7	2,300	2,233	2,255	2,095	18,080	17,293	4.6
Furniture and related products.....	5,550	5,585	5,654	-0.6	-1.2	0.9	5,942	5,700	5,844	5,794	44,348	43,929	1.0
Miscellaneous durable goods.....	12,854	12,943	12,594	-0.7	2.8	-0.8	12,743	12,231	13,659	11,885	100,572	96,220	4.5
Nondurable goods industries.....	217,078	216,401	216,540	0.3	-0.1	-1.1	227,353	219,741	227,374	210,388	1,754,942	1,571,283	11.7
Food products.....	54,961	54,965	54,949	0.0	0.0	-0.2	55,855	53,792	55,330	53,254	433,660	415,918	4.3
Grain and oilseed milling.....	7,785	7,441	7,362	4.6	1.1	-3.3	8,019	7,470	7,280	7,728	61,284	60,938	0.6
Dairy products.....	7,652	7,595	7,440	0.8	2.1	-0.4	7,833	7,545	7,566	6,813	59,029	55,096	7.1
Meat, poultry, and seafood products.....	15,624	15,860	15,661	-1.5	1.3	-0.3	15,928	16,086	16,193	14,440	124,758	113,598	9.8
Beverage and tobacco products.....	10,780	10,509	10,876	2.6	-3.4	3.4	11,296	10,523	11,430	10,463	83,598	80,250	4.2
Beverages.....	7,598	7,496	7,576	1.4	-1.1	0.1	8,114	7,510	8,130	7,471	59,816	56,556	5.8
Tobacco.....	3,182	3,013	3,300	5.6	-8.7	11.9	3,182	3,013	3,300	2,992	23,782	23,694	0.4
Textile mills.....	2,409	2,402	2,405	0.3	-0.1	0.4	2,479	2,311	2,537	2,211	18,977	16,707	13.6
Textile products.....	1,822	1,833	1,864	-0.6	-1.7	-2.9	1,945	1,903	1,986	1,900	15,230	14,713	3.5
Apparel.....	1,289	1,285	1,295	0.3	-0.8	-1.4	1,410	1,319	1,290	1,296	10,174	10,125	0.5
Leather and allied products.....	394	399	403	-1.3	-1.0	-1.5	427	391	433	435	3,193	3,298	-3.2
Paper products.....	14,391	14,381	14,124	0.1	1.8	0.1	14,859	14,360	14,696	13,500	112,571	107,065	5.1
Pulp, paper, and paperboard mills.....	6,762	6,731	6,660	0.5	1.1	0.8	7,020	6,770	6,869	6,253	52,712	49,414	6.7
Paperboard containers.....	4,036	4,046	4,002	-0.2	1.1	1.2	4,192	4,078	4,195	3,733	31,629	30,165	4.9
Printing.....	7,213	7,211	7,262	0.0	-0.7	-1.3	7,289	6,889	7,269	7,054	56,480	56,790	-0.5
Petroleum and coal products.....	49,304	49,208	49,355	0.2	-0.3	-3.7	55,164	54,377	53,870	49,193	421,868	313,192	34.7
Petroleum refineries.....	46,292	46,195	46,216	0.2	0.0	-3.6	51,470	50,899	50,086	45,671	396,699	290,297	36.7
Chemical products.....	59,232	58,831	58,658	0.7	0.3	-0.5	60,314	58,340	61,896	55,761	474,822	436,539	8.8
Pesticides, fertilizers, and other agricultural chemicals.....	3,913	3,710	3,698	5.5	0.3	8.0	3,382	3,185	4,093	2,240	32,931	23,331	41.1
Pharmaceuticals and medicines.....	15,514	15,431	15,543	0.5	-0.7	0.5	15,850	15,067	15,954	15,434	122,254	126,140	-3.1
Paints, coatings, and adhesives.....	2,660	2,600	2,685	2.3	-3.2	3.3	2,862	2,783	2,982	2,641	21,548	20,847	3.4
Plastics and rubber products.....	15,283	15,377	15,349	-0.6	0.2	-1.1	16,315	15,536	16,637	15,321	124,369	116,686	6.6

^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. 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		
	Aug. 2010 ^P	July 2010 ^F	June 2010	July - Aug.	June - July	May - June	Aug. 2010 ^P	July 2010 ^F	June 2010	Aug. 2009	2010 ^P	2009	Percent 2010/ 2009
All manufacturing industries ²	408,942	411,101	408,867	-0.5	0.5	-0.6	422,499	398,090	433,552	383,661	3,266,927	2,881,944	13.4
Excluding transportation ²	362,356	359,206	362,357	0.9	-0.9	-0.6	375,093	358,182	384,065	338,221	2,896,578	2,565,214	12.9
Excluding defense ²	397,007	398,864	396,739	-0.5	0.5	-0.5	412,112	388,901	420,958	372,423	3,168,424	2,787,992	13.6
With unfilled orders ²	143,711	145,683	144,635	-1.4	0.7	-0.4	145,171	134,060	154,591	126,902	1,136,957	957,718	18.7
Durable goods industries ²	191,864	194,700	192,327	-1.5	1.2	-0.2	195,146	178,349	206,178	173,273	1,511,985	1,310,661	15.4
Primary metals.....	19,782	20,249	19,289	-2.3	5.0	-3.9	21,581	20,352	20,777	16,501	162,414	113,975	42.5
Iron and steel mills.....	9,377	9,880	9,047	-5.1	9.2	-8.1	10,515	10,206	10,056	7,316	78,890	49,978	57.8
Aluminum and nonferrous metals.....	9,124	9,150	9,027	-0.3	1.4	0.0	9,727	8,983	9,391	8,107	73,715	56,214	31.1
Ferrous metal foundries.....	1,281	1,219	1,215	5.1	0.3	2.3	1,339	1,163	1,330	1,078	9,809	7,783	26.0
Fabricated metal products.....	27,391	27,107	27,489	1.0	-1.4	1.6	29,004	26,597	28,509	26,329	219,384	198,397	10.6
Machinery.....	26,890	25,566	28,336	5.2	-9.8	4.1	25,940	24,659	30,015	20,117	206,883	171,177	20.9
Construction machinery.....	2,774	2,875	2,326	-3.5	23.6	-18.2	2,581	2,807	2,095	1,043	18,932	9,147	107.0
Mining, oil field, and gas field machinery.....	1,304	1,099	3,392	18.7	-67.6	118.7	1,358	994	3,376	1,095	12,609	10,698	17.9
Industrial machinery.....	3,042	2,797	3,023	8.8	-7.5	5.3	2,525	2,990	3,139	1,697	22,635	14,390	57.3
Photographic equipment.....	757	717	791	5.6	-9.4	0.0	744	652	838	779	5,840	5,589	4.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,581	2,413	2,893	7.0	-16.6	3.8	2,780	2,601	4,087	3,082	23,511	24,708	-4.8
Metalworking machinery.....	1,944	1,804	1,831	7.8	-1.5	6.6	1,935	1,637	1,960	1,508	13,949	11,808	18.1
Turbines, generators, and other power transmission equipment.....	4,051	3,288	3,866	23.2	-15.0	-11.6	3,995	3,010	3,911	2,629	26,432	21,506	22.9
Material handling equipment.....	1,635	2,053	1,617	-20.4	27.0	-4.7	1,568	1,863	1,714	1,375	13,485	10,993	22.7
Computers and electronic products ²	28,412	27,398	27,486	3.7	-0.3	-0.9	26,819	24,463	30,235	22,762	208,283	184,955	12.6
Computers.....	4,804	4,030	4,577	19.2	-12.0	1.5	4,551	4,408	4,830	3,186	33,032	27,381	20.6
Nondefense communications equipment.....	3,452	3,072	2,861	12.4	7.4	11.8	3,669	2,518	3,233	3,125	22,670	23,988	-5.5
Defense communications equipment.....	512	538	367	-4.8	46.6	-41.2	355	366	434	383	4,256	4,408	-3.4
Electronic components.....	3,921	4,010	3,901	-2.2	2.8	-3.1	4,065	3,806	4,277	3,708	31,534	26,665	18.3
Nondefense search and navigation equipment.....	1,005	1,039	1,069	-3.3	-2.8	4.6	990	968	1,123	786	8,099	7,063	14.7
Defense search and navigation equipment.....	3,238	3,030	3,081	6.9	-1.7	-8.0	2,825	2,297	3,206	2,405	23,143	23,696	-2.3
Electromedical, measuring, and control instruments.....	8,694	8,824	8,892	-1.5	-0.8	-1.5	7,977	7,785	9,812	6,981	66,290	53,731	23.4
Electrical equipment, appliances, and components.....	9,918	9,625	10,082	3.0	-4.5	3.8	10,104	9,501	11,040	8,839	79,123	69,907	13.2
Electric lighting equipment.....	1,194	1,187	1,128	0.6	5.2	-6.6	1,211	1,084	1,338	1,189	9,548	8,673	10.1
Household appliances.....	1,549	1,627	1,615	-4.8	0.7	-3.4	1,601	1,573	1,741	1,595	13,319	13,031	2.2
Electrical equipment.....	3,441	3,257	3,517	5.6	-7.4	8.9	3,398	3,308	4,011	2,509	26,819	21,425	25.2
Transportation equipment.....	46,586	51,895	46,510	-10.2	11.6	-1.1	47,406	39,908	49,487	45,440	370,349	316,730	16.9
Motor vehicle bodies, parts, and trailers.....	17,303	17,949	17,452	-3.6	2.8	1.5	18,120	14,610	18,246	16,330	133,284	114,566	16.3
Nondefense aircraft and parts.....	5,354	8,949	5,292	-40.2	69.1	-25.3	5,333	6,913	6,156	4,781	50,450	27,794	81.5
Defense aircraft and parts.....	4,665	4,795	5,295	-2.7	-9.4	5.7	3,786	4,067	5,941	4,141	40,647	39,734	2.3
Ships and boats.....	1,697	1,833	1,739	-7.4	5.4	9.8	1,535	1,235	1,689	2,296	14,770	12,736	16.0
Furniture and related products.....	5,603	5,118	5,584	9.5	-8.3	-1.6	5,681	5,119	5,836	5,415	44,767	44,102	1.5
Nondurable goods industries.....	217,078	216,401	216,540	0.3	-0.1	-1.1	227,353	219,741	227,374	210,388	1,754,942	1,571,283	11.7

^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 Aug. 10/09
	Aug. 2010 ^p	July 2010 ^r	June 2010	July - Aug.	June - July	May - June	Aug. 2010 ^p	July 2010 ^r	June 2010	Aug. 2009	
All manufacturing industries ²	804,030	804,173	803,897	0.0	0.0	0.1	801,680	803,869	805,403	811,114	-1.2
Excluding transportation ²	330,967	328,147	327,143	0.9	0.3	1.1	331,233	329,773	328,929	310,793	6.6
Excluding defense ²	650,481	650,700	650,484	0.0	0.0	0.1	650,223	651,302	650,910	651,365	-0.2
Durable goods industries ²	804,030	804,173	803,897	0.0	0.0	0.1	801,680	803,869	805,403	811,114	-1.2
Primary metals.....	18,493	18,500	18,040	0.0	2.5	-2.9	19,504	19,112	18,177	16,955	15.0
Iron and steel mills.....	10,417	10,465	9,926	-0.5	5.4	-5.5	11,459	11,095	10,115	9,676	18.4
Aluminum and nonferrous metals.....	6,035	6,031	6,097	0.1	-1.1	0.4	6,019	6,019	6,050	5,453	10.4
Ferrous metal foundries.....	2,041	2,004	2,017	1.8	-0.6	0.7	2,026	1,998	2,012	1,826	11.0
Fabricated metal products.....	54,110	53,879	53,806	0.4	0.1	0.1	54,107	54,452	54,623	53,413	1.3
Machinery.....	99,528	97,889	96,669	1.7	1.3	3.4	99,315	97,954	96,523	86,450	14.9
Construction machinery.....	10,554	10,351	10,027	2.0	3.2	-0.4	10,398	10,233	9,876	9,692	7.3
Mining, oil field, and gas field machinery.....	7,366	7,426	7,691	-0.8	-3.4	33.8	7,403	7,338	7,579	6,421	15.3
Industrial machinery.....	12,392	12,189	11,900	1.7	2.4	3.3	12,304	12,353	11,772	11,058	11.3
Photographic equipment.....	2,571	2,558	2,558	0.5	0.0	1.3	2,509	2,528	2,548	2,407	4.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	21,058	20,899	20,958	0.8	-0.3	1.4	21,447	21,231	21,272	17,108	25.4
Metalworking machinery.....	6,158	6,159	6,253	0.0	-1.5	-0.8	6,117	6,120	6,249	6,456	-5.3
Turbines, generators, and other power transmission equipment.....	15,462	14,508	14,168	6.6	2.4	1.1	15,453	14,493	14,153	12,237	26.3
Material handling equipment.....	7,792	7,833	7,393	-0.5	6.0	0.8	7,621	7,789	7,462	7,091	7.5
Computers and electronic products ²	122,026	121,310	121,616	0.6	-0.3	0.4	121,125	120,811	121,767	120,655	0.4
Computers.....	5,332	5,278	5,684	1.0	-7.1	5.4	5,332	5,278	5,684	3,875	37.6
Nondefense communications equipment.....	22,098	21,595	21,487	2.3	0.5	-0.3	22,089	21,283	21,311	22,709	-2.7
Defense communications equipment.....	6,120	6,117	6,175	0.0	-0.9	-2.6	5,972	6,122	6,335	6,198	-3.6
Electronic components.....	11,576	11,684	11,724	-0.9	-0.3	0.4	11,745	11,658	11,658	10,169	15.5
Nondefense search and navigation equipment.....	8,385	8,371	8,308	0.2	0.8	0.1	8,316	8,332	8,219	8,735	-4.8
Defense search and navigation equipment.....	39,672	39,300	39,116	0.9	0.5	0.4	39,147	39,146	39,376	40,948	-4.4
Electromedical, measuring, and control instruments.....	28,843	28,965	29,122	-0.4	-0.5	0.6	28,524	28,992	29,184	28,021	1.8
Electrical equipment, appliances, and components.....	24,626	24,375	24,348	1.0	0.1	2.4	24,968	24,906	24,717	21,928	13.9
Electric lighting equipment.....	2,310	2,300	2,310	0.4	-0.4	-2.0	2,478	2,451	2,501	2,238	10.7
Household appliances.....	457	537	530	-14.9	1.3	-4.3	447	533	488	445	0.4
Electrical equipment.....	15,636	15,447	15,379	1.2	0.4	2.4	15,810	15,715	15,484	14,127	11.9
Transportation equipment.....	473,063	476,026	476,754	-0.6	-0.2	-0.6	470,447	474,096	476,474	500,321	-6.0
Motor vehicle bodies, parts, and trailers.....	13,382	13,477	13,788	-0.7	-2.3	-2.1	13,252	13,568	13,721	14,587	-9.2
Nondefense aircraft and parts.....	321,080	323,181	322,848	-0.7	0.1	-0.4	319,913	321,893	322,054	332,995	-3.9
Defense aircraft and parts.....	47,391	47,713	47,928	-0.7	-0.4	0.2	47,008	47,949	48,369	49,985	-6.0
Ships and boats.....	15,653	16,261	16,844	-3.7	-3.5	-2.4	15,068	15,833	16,831	20,802	-27.6
Furniture and related products.....	6,279	6,226	6,693	0.9	-7.0	-1.0	6,309	6,570	7,151	6,295	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.

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 Aug. 10/09
	Aug. 2010 ^p	July 2010 ^r	June 2010	July - Aug.	June - July	May - June	Aug. 2010 ^p	July 2010 ^r	June 2010	Aug. 2009	
All manufacturing industries.....	526,399	525,722	520,897	0.1	0.9	0.1	532,422	530,257	520,862	514,609	3.5
Excluding transportation.....	445,406	445,345	440,823	0.0	1.0	-0.1	450,404	448,930	441,008	436,917	3.1
Excluding defense.....	503,527	502,495	497,757	0.2	1.0	0.1	509,610	507,057	497,814	491,683	3.6
With unfilled orders.....	253,875	252,753	251,239	0.4	0.6	1.3	256,038	254,550	249,951	242,787	5.5
Durable goods industries.....	312,429	311,100	309,396	0.4	0.6	1.2	314,969	313,045	307,750	301,459	4.5
Wood products.....	8,793	8,868	8,976	-0.8	-1.2	0.1	8,793	8,779	8,812	8,798	-0.1
Nonmetallic mineral products.....	11,211	11,233	11,193	-0.2	0.4	0.4	11,140	11,287	11,257	11,708	-4.9
Primary metals.....	30,483	30,826	30,888	-1.1	-0.2	0.7	30,859	31,225	30,751	26,919	14.6
Iron and steel mills.....	18,154	18,566	18,676	-2.2	-0.6	1.4	18,415	18,903	18,546	15,405	19.5
Aluminum and nonferrous metals.....	10,509	10,455	10,408	0.5	0.5	-0.7	10,647	10,553	10,415	9,735	9.4
Ferrous metal foundries.....	1,820	1,805	1,804	0.8	0.1	1.9	1,797	1,769	1,790	1,779	1.0
Fabricated metal products.....	42,106	41,972	41,722	0.3	0.6	1.3	42,099	42,277	41,593	39,964	5.3
Machinery.....	51,696	51,300	50,468	0.8	1.6	0.9	51,764	51,083	50,025	51,583	0.4
Farm machinery.....	2,535	2,551	2,511	-0.6	1.6	2.8	2,406	2,489	2,507	2,426	-0.8
Construction machinery.....	5,173	5,024	4,949	3.0	1.5	3.5	5,117	4,959	4,967	4,799	6.6
Mining, oil field, and gas field machinery.....	5,942	5,857	5,630	1.5	4.0	-1.4	6,004	5,923	5,678	6,013	-0.1
Industrial machinery.....	6,746	6,661	6,593	1.3	1.0	-0.4	6,852	6,638	6,685	6,694	2.4
Photographic equipment.....	1,578	1,569	1,531	0.6	2.5	3.5	1,576	1,618	1,541	1,600	-1.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,504	3,512	3,520	-0.2	-0.2	1.7	3,506	3,514	3,483	3,638	-3.6
Metalworking machinery.....	3,927	3,946	3,954	-0.5	-0.2	-0.2	3,994	3,965	3,903	4,264	-6.3
Turbines, generators, and other power transmission equipment.....	6,255	6,163	5,991	1.5	2.9	1.4	6,359	6,093	5,712	6,281	1.2
Material handling equipment.....	3,034	3,013	2,980	0.7	1.1	0.8	3,012	2,996	2,973	3,041	-1.0
Computers and electronic products ²	45,474	45,246	45,198	0.5	0.1	2.5	46,165	45,409	44,585	43,956	5.0
Computers.....	2,269	2,353	2,452	-3.6	-4.0	8.7	2,396	2,272	2,468	1,768	35.5
Computer storage devices.....	1,051	1,048	1,053	0.3	-0.5	3.7	1,101	1,063	1,007	1,038	6.1
Other peripheral equipment.....	1,468	1,461	1,458	0.5	0.2	2.7	1,525	1,499	1,433	1,532	-0.5
Nondefense communications equipment.....	5,963	5,988	5,887	-0.4	1.7	5.2	5,981	5,934	5,631	5,755	3.9
Defense communications equipment.....	2,139	2,066	2,049	3.5	0.8	1.0	2,139	2,066	2,049	1,895	12.9
Audio and video equipment.....	376	388	389	-3.1	-0.3	3.5	389	385	356	721	-46.0
Electronic components.....	7,609	7,480	7,436	1.7	0.6	1.8	7,681	7,577	7,288	6,590	16.6
Nondefense search and navigation equipment.....	3,735	3,767	3,771	-0.8	-0.1	0.4	3,770	3,818	3,740	3,679	2.5
Defense search and navigation equipment.....	3,593	3,633	3,599	-1.1	0.9	-0.7	3,607	3,650	3,550	3,288	9.7
Electromedical, measuring and control instruments.....	11,788	11,687	11,782	0.9	-0.8	1.8	12,044	11,714	11,627	11,983	0.5
Electrical equipment, appliances, and components.....	14,618	14,444	14,211	1.2	1.6	2.2	14,775	14,609	14,179	13,974	5.7
Electric lighting equipment.....	1,612	1,562	1,548	3.2	0.9	-1.1	1,653	1,594	1,581	1,662	-0.5
Household appliances.....	2,529	2,437	2,310	3.8	5.5	4.9	2,654	2,554	2,345	2,264	17.2
Electrical equipment.....	4,700	4,730	4,656	-0.6	1.6	4.1	4,623	4,667	4,524	4,101	12.7
Batteries.....	986	985	978	0.1	0.7	0.3	1,028	1,024	993	1,084	-5.2
Transportation equipment.....	80,993	80,377	80,074	0.8	0.4	1.1	82,018	81,327	79,854	77,692	5.6
Automobiles.....	1,739	1,716	1,774	1.3	-3.3	5.9	1,744	1,727	1,656	1,143	52.6
Light trucks and utility vehicles.....	2,012	1,935	1,834	4.0	5.5	-1.3	2,150	1,922	1,830	1,427	50.7
Heavy duty trucks.....	1,328	1,334	1,309	-0.4	1.9	-3.2	1,368	1,371	1,291	1,360	0.6
Motor vehicle bodies, parts, and trailers.....	16,014	15,954	15,833	0.4	0.8	1.5	15,974	15,967	15,562	14,244	12.1
Nondefense aircraft and parts.....	37,380	36,682	36,500	1.9	0.5	1.3	38,132	37,556	36,802	34,999	9.0
Defense aircraft and parts.....	12,020	12,106	12,033	-0.7	0.6	-0.9	12,091	12,168	12,059	12,402	-2.5
Ships and boats.....	3,464	3,771	3,708	-8.1	1.7	3.4	3,384	3,685	3,673	3,177	6.5
Furniture and related products.....	6,423	6,356	6,311	1.1	0.7	1.0	6,484	6,466	6,442	6,235	4.0
Miscellaneous durable goods.....	20,632	20,478	20,355	0.8	0.6	0.8	20,872	20,583	20,252	20,630	1.2
Nondurable goods industries.....	213,970	214,622	211,501	-0.3	1.5	-1.6	217,453	217,212	213,112	213,150	2.0
Food products.....	40,880	40,536	40,385	0.8	0.4	-0.2	41,145	40,054	39,160	40,338	2.0
Grain and oilseed milling.....	5,407	5,284	5,050	2.3	4.6	-0.6	5,267	5,216	4,967	4,779	10.2
Dairy products.....	5,422	5,342	5,417	1.5	-1.4	1.1	5,544	5,529	5,600	5,095	8.8
Meat, poultry, and seafood products.....	8,198	8,124	7,991	0.9	1.7	0.9	8,258	8,077	7,783	7,624	8.3
Beverage and tobacco products.....	15,545	15,613	15,716	-0.4	-0.7	0.2	15,013	14,975	15,213	15,558	-3.5
Beverages.....	11,883	11,962	12,054	-0.7	-0.8	0.3	11,593	11,559	11,696	12,059	-3.9
Tobacco.....	3,662	3,651	3,662	0.3	-0.3	-0.1	3,420	3,416	3,517	3,499	-2.3
Textile mills.....	3,139	3,113	3,069	0.8	1.4	1.4	3,126	3,098	3,071	3,099	0.9
Textile products.....	2,974	2,947	2,934	0.9	0.4	1.5	3,000	2,957	2,943	2,806	6.9
Apparel.....	2,638	2,579	2,513	2.3	2.6	5.7	2,771	2,720	2,600	2,600	6.6
Leather and allied products.....	865	863	858	0.2	0.6	0.7	898	891	866	939	-4.4
Paper products.....	14,201	14,195	14,107	0.0	0.6	0.4	14,219	14,144	13,981	14,332	-0.8
Pulp, paper, and paperboard mills.....	5,750	5,776	5,750	-0.5	0.4	-0.7	5,752	5,729	5,662	6,242	-7.9
Paperboard containers.....	4,124	4,103	4,047	0.5	1.4	2.0	4,111	4,095	4,026	3,841	7.0
Printing.....	5,392	5,390	5,419	0.0	-0.5	0.3	5,535	5,481	5,413	5,668	-2.3
Petroleum and coal products.....	39,221	40,385	37,788	-2.9	6.9	-7.8	42,482	43,414	41,249	39,829	6.7
Petroleum refineries.....	36,361	37,597	35,067	-3.3	7.2	-8.4	39,599	40,590	38,499	37,412	5.8
Chemical products.....	69,548	69,465	69,156	0.1	0.4	-0.6	69,877	70,031	69,209	69,621	0.4
Pesticides, fertilizers, and other agricultural chemicals.....	4,243	4,309	4,394	-1.5	-1.9	-0.4	3,758	3,989	4,072	3,682	2.1
Pharmaceuticals and medicines.....	23,796	23,905	23,853	-0.5	0.2	-1.7	24,263	24,360	24,232	27,211	-10.8
Paints, coatings, and adhesives.....	3,285	3,270	3,260	0.5	0.3	0.9	3,319	3,347	3,328	3,160	5.0
Plastics and rubber products.....	19,567	19,536	19,556	0.2	-0.1	0.2	19,387	19,447	19,407	18,360	5.6

^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						
	Monthly			Percent Change			Monthly				Year to date		Percent Change ⁶ 2010/ 2009
	Aug. 2010 ^p	July 2010 ^r	June 2010	July - Aug.	June - July	May - June	Aug. 2010 ^p	July 2010 ^r	June 2010	Aug. 2009	2010 ^p	2009	
SHIPMENTS													
All manufacturing industries	415,050	417,504	412,660	-0.6	1.2	-0.5	430,731	407,832	438,567	395,470	3,304,105	3,001,213	10.1
Construction materials and supplies.....	39,780	40,145	40,928	-0.9	-1.9	-1.7	43,463	41,556	45,541	42,403	325,132	315,120	3.2
Information technology.....	27,257	27,216	26,775	0.2	1.6	-0.8	26,361	25,143	29,511	24,459	206,553	190,168	8.6
Computers and related products	6,609	6,352	6,062	4.0	4.8	1.4	6,029	6,302	6,961	4,686	45,970	40,609	13.2
Motor vehicle and parts.....	31,005	32,629	31,200	-5.0	4.6	4.8	33,027	25,164	32,781	29,671	236,203	208,973	13.0
Capital goods.....	74,627	75,228	73,494	-0.8	2.4	1.3	73,037	69,906	80,467	67,162	575,462	549,833	4.7
Nondefense capital goods ³	65,451	65,641	63,759	-0.3	3.0	1.8	63,985	61,073	70,236	56,040	494,473	466,661	6.0
Excluding aircraft.....	60,883	59,876	59,847	1.7	0.0	0.9	59,587	56,546	65,362	51,959	462,658	428,700	7.9
Defense capital goods ⁴	9,176	9,587	9,735	-4.3	-1.5	-1.9	9,052	8,833	10,231	11,122	80,989	83,172	-2.6
Consumer goods.....	167,184	167,532	166,834	-0.2	0.4	-0.6	175,832	166,077	174,062	163,173	1,345,179	1,206,771	11.5
Consumer durable goods.....	24,620	25,403	24,339	-3.1	4.4	2.5	25,659	20,703	25,716	23,838	189,772	180,187	5.3
Consumer nondurable goods.....	142,564	142,129	142,495	0.3	-0.3	-1.1	150,173	145,374	148,346	139,335	1,155,407	1,026,584	12.5
NEW ORDERS													
All manufacturing industries ⁵	408,942	411,101	408,867	-0.5	0.5	-0.6	422,499	398,090	433,552	383,661	3,266,927	2,881,944	13.4
Construction materials and supplies.....	40,011	40,195	41,284	-0.5	-2.6	-0.5	43,468	41,413	46,081	42,177	329,213	311,095	5.8
Information technology.....	28,226	26,912	27,462	4.9	-2.0	0.4	26,595	24,130	29,994	22,602	206,398	185,371	11.3
Computers and related products	6,663	5,946	6,352	12.1	-6.4	1.2	6,083	5,896	7,251	4,574	45,931	38,966	17.9
Motor vehicle and parts.....	30,910	32,318	30,899	-4.4	4.6	3.9	32,711	25,011	32,355	29,390	234,807	207,332	13.3
Capital goods.....	74,940	75,051	75,628	-0.1	-0.8	0.2	71,528	67,336	80,749	60,020	579,102	481,205	20.3
Nondefense capital goods ³	65,565	65,505	65,965	0.1	-0.7	1.1	63,222	60,462	70,948	50,930	500,355	405,891	23.3
Excluding aircraft.....	63,039	59,953	63,279	5.1	-5.3	3.6	60,714	56,558	67,682	49,031	472,005	402,979	17.1
Defense capital goods ⁴	9,375	9,546	9,663	-1.8	-1.2	-5.8	8,306	6,874	9,801	9,090	78,747	75,314	4.6
Consumer goods.....	166,994	167,450	166,677	-0.3	0.5	-0.6	175,568	166,114	173,705	163,249	1,345,448	1,206,158	11.5
Consumer durable goods.....	24,430	25,321	24,182	-3.5	4.7	2.3	25,395	20,740	25,359	23,914	190,041	179,574	5.8
Consumer nondurable goods.....	142,564	142,129	142,495	0.3	-0.3	-1.1	150,173	145,374	148,346	139,335	1,155,407	1,026,584	12.5
UNFILLED ORDERS													
All manufacturing industries ⁵	804,030	804,173	803,897	0.0	0.0	0.1	801,680	803,869	805,403	811,114	(X)	(X)	-1.2
Construction materials and supplies.....	53,740	53,509	53,459	0.4	0.1	0.7	54,326	54,321	54,464	49,816	(X)	(X)	9.1
Information technology.....	119,244	118,275	118,579	0.8	-0.3	0.6	118,122	117,888	118,901	118,011	(X)	(X)	0.1
Computers and related products	5,332	5,278	5,684	1.0	-7.1	5.4	5,332	5,278	5,684	3,875	(X)	(X)	37.6
Motor vehicle and parts.....	13,382	13,477	13,788	-0.7	-2.3	-2.1	13,252	13,568	13,721	14,587	(X)	(X)	-9.2
Capital goods.....	627,753	627,440	627,617	0.0	0.0	0.3	624,092	625,601	628,171	636,837	(X)	(X)	-2.0
Nondefense capital goods ³	487,866	487,752	487,888	0.0	0.0	0.5	486,051	486,814	487,425	491,025	(X)	(X)	-1.0
Excluding aircraft.....	196,957	194,801	194,724	1.1	0.0	1.8	196,209	195,082	195,070	188,145	(X)	(X)	4.3
Defense capital goods ⁴	139,887	139,688	139,729	0.1	0.0	-0.1	138,041	138,787	140,746	145,812	(X)	(X)	-5.3
Consumer goods.....	8,348	8,538	8,620	-2.2	-1.0	-1.8	8,286	8,550	8,513	7,490	(X)	(X)	10.6
Consumer durable goods.....	8,348	8,538	8,620	-2.2	-1.0	-1.8	8,286	8,550	8,513	7,490	(X)	(X)	10.6
TOTAL INVENTORIES													
All manufacturing industries	526,399	525,722	520,897	0.1	0.9	0.1	532,422	530,257	520,862	514,609	(X)	(X)	3.5
Construction materials and supplies.....	55,116	55,101	55,096	0.0	0.0	0.8	55,135	55,285	54,789	53,891	(X)	(X)	2.3
Information technology.....	39,039	38,984	38,996	0.1	0.0	2.3	39,653	39,092	38,444	38,505	(X)	(X)	3.0
Computers and related products	4,788	4,862	4,963	-1.5	-2.0	5.8	5,022	4,834	4,908	4,338	(X)	(X)	15.8
Motor vehicle and parts.....	21,093	20,939	20,750	0.7	0.9	1.3	21,236	20,987	20,339	18,174	(X)	(X)	16.8
Capital goods.....	148,447	147,637	146,629	0.5	0.7	1.3	149,908	148,445	146,051	145,049	(X)	(X)	3.3
Nondefense capital goods ³	130,873	129,702	128,737	0.9	0.7	1.5	132,465	130,599	128,277	127,524	(X)	(X)	3.9
Excluding aircraft.....	101,829	101,304	100,466	0.5	0.8	1.4	102,760	101,363	99,595	100,866	(X)	(X)	1.9
Defense capital goods ⁴	17,574	17,935	17,892	-2.0	0.2	0.3	17,443	17,846	17,774	17,525	(X)	(X)	-0.5
Consumer goods.....	157,485	158,142	155,023	-0.4	2.0	-2.0	161,609	160,738	156,722	160,410	(X)	(X)	0.7
Consumer durable goods.....	23,089	22,777	22,428	1.4	1.6	2.1	23,519	22,899	22,072	21,942	(X)	(X)	7.2
Consumer nondurable goods.....	134,396	135,365	132,595	-0.7	2.1	-2.6	138,090	137,839	134,650	138,468	(X)	(X)	-0.3

X Not Applicable ^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 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 Aug. 10/09
	Aug. 2010 ^p	July 2010 ^r	June 2010	July - Aug.	June - July	May - June	Aug. 2010 ^p	July 2010 ^r	June 2010	Aug. 2009	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	176,233	177,088	175,837	-0.5	0.7	0.4	177,071	178,720	175,614	172,866	2.4
Durable goods industries.....	105,818	105,914	106,228	-0.1	-0.3	1.3	106,171	106,601	105,132	104,086	2.0
Wood products.....	3,236	3,236	3,256	0.0	-0.6	1.1	3,245	3,170	3,085	3,191	1.7
Nonmetallic mineral products.....	4,555	4,577	4,556	-0.5	0.5	-0.2	4,562	4,601	4,565	4,781	-4.6
Primary metals.....	11,717	11,992	12,270	-2.3	-2.3	3.4	11,931	12,196	12,272	11,541	3.4
Fabricated metal products.....	15,533	15,459	15,564	0.5	-0.7	1.2	15,430	15,403	15,368	14,938	3.3
Machinery.....	19,968	19,714	19,622	1.3	0.5	0.6	20,063	19,829	19,502	20,234	-0.8
Computers and electronic products.....	15,077	15,201	15,155	-0.8	0.3	0.9	15,179	15,251	14,912	15,001	1.2
Electrical equipment, appliances, and components.....	5,823	5,704	5,629	2.1	1.3	1.8	5,815	5,729	5,632	5,328	9.1
Transportation equipment.....	20,030	20,205	20,422	-0.9	-1.1	1.7	19,996	20,516	20,062	19,278	3.7
Furniture and related products.....	3,132	3,100	3,050	1.0	1.6	1.3	3,136	3,126	3,073	2,895	8.3
Miscellaneous products.....	6,747	6,726	6,704	0.3	0.3	0.8	6,814	6,780	6,661	6,899	-1.2
Nondurable goods industries.....	70,415	71,174	69,609	-1.1	2.2	-1.1	70,900	72,119	70,482	68,780	3.1
Food products.....	14,198	14,064	13,666	1.0	2.9	0.1	13,853	13,984	13,483	13,544	2.3
Beverage and tobacco products.....	4,155	4,155	4,207	0.0	-1.2	-1.6	3,956	3,999	4,084	4,076	-2.9
Textiles.....	1,166	1,150	1,133	1.4	1.5	2.1	1,174	1,155	1,135	1,092	7.5
Textile products.....	1,216	1,203	1,190	1.1	1.1	1.0	1,227	1,218	1,196	1,150	6.7
Apparel.....	686	665	641	3.2	3.7	4.7	693	681	654	637	8.8
Leather and allied products.....	341	336	338	1.5	-0.6	3.0	352	344	337	344	2.3
Paper products.....	6,945	6,982	6,985	-0.5	0.0	1.1	6,973	6,939	6,893	7,027	-0.8
Printing.....	2,377	2,355	2,330	0.9	1.1	0.3	2,413	2,383	2,348	2,322	3.9
Petroleum and coal products.....	9,384	10,189	9,127	-7.9	11.6	-6.3	10,170	11,075	10,352	10,304	-1.3
Chemical products.....	21,823	21,968	21,844	-0.7	0.6	-1.1	21,939	22,156	21,904	21,004	4.5
Plastics and rubber products.....	8,124	8,107	8,148	0.2	-0.5	0.1	8,150	8,185	8,096	7,280	12.0
WORK IN PROCESS											
All manufacturing industries.....	159,095	158,078	156,874	0.6	0.8	0.2	160,653	158,948	156,412	151,337	6.2
Durable goods industries.....	114,801	113,995	113,114	0.7	0.8	1.2	116,152	114,819	112,781	107,883	7.7
Wood products.....	1,629	1,682	1,722	-3.2	-2.3	0.5	1,635	1,695	1,730	1,615	1.2
Nonmetallic mineral products.....	1,321	1,324	1,318	-0.2	0.5	2.3	1,304	1,330	1,347	1,380	-5.5
Primary metals.....	8,671	8,717	8,715	-0.5	0.0	-4.6	9,025	9,005	8,808	7,965	13.3
Fabricated metal products.....	11,574	11,625	11,510	-0.4	1.0	1.8	11,689	11,779	11,444	10,401	12.4
Machinery.....	14,439	14,297	13,791	1.0	3.7	0.2	14,586	14,145	13,630	14,349	1.7
Computers and electronic products.....	20,634	20,263	20,274	1.8	-0.1	3.3	20,836	20,290	20,150	18,919	10.1
Electrical equipment, appliances, and components.....	3,206	3,189	3,136	0.5	1.7	1.3	3,283	3,240	3,121	3,119	5.3
Transportation equipment.....	48,979	48,568	48,324	0.8	0.5	1.4	49,409	48,955	48,196	46,184	7.0
Furniture and related products.....	1,016	1,030	1,024	-1.4	0.6	0.4	1,017	1,038	1,032	1,025	-0.8
Miscellaneous products.....	3,332	3,300	3,300	1.0	0.0	3.0	3,368	3,342	3,323	2,926	15.1
Nondurable goods industries.....	44,294	44,083	43,760	0.5	0.7	-2.3	44,501	44,129	43,631	43,454	2.4
Food products.....	3,546	3,465	3,485	2.3	-0.6	0.8	3,051	2,945	2,981	3,063	-0.4
Beverage and tobacco products.....	5,687	5,795	5,826	-1.9	-0.5	0.8	5,188	5,260	5,438	5,370	-3.4
Textiles.....	694	679	679	2.2	0.0	0.0	702	681	679	676	3.8
Textile products.....	492	484	492	1.7	-1.6	-0.6	497	484	493	481	3.3
Apparel.....	369	368	366	0.3	0.5	8.0	382	385	376	350	9.1
Leather and allied products.....	76	76	77	0.0	-1.3	4.1	75	75	74	69	8.7
Paper products.....	1,383	1,398	1,335	-1.1	4.7	-0.2	1,404	1,404	1,337	1,379	1.8
Printing.....	1,279	1,289	1,334	-0.8	-3.4	-0.6	1,332	1,303	1,273	1,457	-8.6
Petroleum and coal products.....	12,964	12,846	12,413	0.9	3.5	-7.4	13,896	13,717	13,094	11,198	24.1
Chemical products.....	15,467	15,390	15,474	0.5	-0.5	-1.2	15,671	15,614	15,649	17,315	-9.5
Plastics and rubber products.....	2,337	2,293	2,279	1.9	0.6	2.8	2,303	2,261	2,237	2,096	9.9
FINISHED GOODS											
All manufacturing industries.....	191,071	190,556	188,186	0.3	1.3	-0.3	194,698	192,589	188,836	190,406	2.3
Durable goods industries.....	91,810	91,191	90,054	0.7	1.3	1.2	92,646	91,625	89,837	89,490	3.5
Wood products.....	3,928	3,950	3,998	-0.6	-1.2	-0.9	3,913	3,914	3,997	3,992	-2.0
Nonmetallic mineral products.....	5,335	5,332	5,319	0.1	0.2	0.4	5,274	5,356	5,345	5,547	-4.9
Primary metals.....	10,095	10,117	9,903	-0.2	2.2	2.5	9,903	10,024	9,671	7,413	33.6
Fabricated metal products.....	14,999	14,888	14,648	0.7	1.6	1.0	14,980	15,095	14,781	14,625	2.4
Machinery.....	17,289	17,289	17,055	0.0	1.4	1.9	17,115	17,109	16,893	17,000	0.7
Computers and electronic products.....	9,763	9,782	9,769	-0.2	0.1	3.3	10,150	9,868	9,523	10,036	1.1
Electrical equipment, appliances, and components.....	5,589	5,551	5,446	0.7	1.9	3.1	5,677	5,640	5,426	5,527	2.7
Transportation equipment.....	11,984	11,604	11,328	3.3	2.4	-1.0	12,613	11,856	11,596	12,230	3.1
Furniture and related products.....	2,275	2,226	2,237	2.2	-0.5	0.9	2,331	2,302	2,337	2,315	0.7
Miscellaneous products.....	10,553	10,452	10,351	1.0	1.0	0.1	10,690	10,461	10,268	10,805	-1.1
Nondurable goods industries.....	99,261	99,365	98,132	-0.1	1.3	-1.6	102,052	100,964	98,999	100,916	1.1
Food products.....	23,136	23,007	23,234	0.6	-1.0	-0.6	24,241	23,125	22,696	23,731	2.1
Beverage and tobacco products.....	5,703	5,663	5,683	0.7	-0.4	0.9	5,869	5,716	5,691	6,112	-4.0
Textiles.....	1,279	1,284	1,257	-0.4	2.1	1.6	1,250	1,262	1,257	1,331	-6.1
Textile products.....	1,266	1,260	1,252	0.5	0.6	2.7	1,276	1,255	1,254	1,175	8.6
Apparel.....	1,583	1,546	1,506	2.4	2.7	5.6	1,696	1,654	1,570	1,613	5.1
Leather and allied products.....	448	451	443	-0.7	1.8	-1.6	471	472	455	526	-10.5
Paper products.....	5,873	5,815	5,787	1.0	0.5	-0.3	5,842	5,801	5,751	5,926	-1.4
Printing.....	1,736	1,746	1,755	-0.6	-0.5	0.9	1,790	1,795	1,792	1,889	-5.2
Petroleum and coal products.....	16,873	17,350	16,248	-2.7	6.8	-8.9	18,416	18,622	17,803	18,327	0.5
Chemical products.....	32,258	32,107	31,838	0.5	0.8	0.0	32,267	32,261	31,656	31,302	3.1
Plastics and rubber products.....	9,106	9,136	9,129	-0.3	0.1	-0.4	8,934	9,001	9,074	8,984	-0.6

^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			
	Aug 2010 ^P	Jul 2010 ^r	Jun 2010	May 2010	Aug 2010 ^P	Jul 2010 ^r	Jun 2010	May 2010
All manufacturing industries ²	1.27	1.26	1.26	1.26	(X)	(X)	(X)	(X)
Durable goods industries ²	1.58	1.55	1.58	1.56	5.59	5.53	5.59	5.61
Wood products.....	1.40	1.35	1.34	1.25	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.37	1.36	1.35	1.34	(X)	(X)	(X)	(X)
Primary metals.....	1.54	1.56	1.56	1.53	0.93	0.93	0.91	0.92
Fabricated metal products.....	1.55	1.55	1.52	1.49	2.06	2.05	2.02	2.00
Machinery.....	2.05	2.11	2.01	2.01	4.48	4.52	4.28	4.24
Computers and electronic products ²	1.35	1.32	1.43	1.35	4.90	4.88	5.00	4.90
Electrical equipment, appliances, and components.....	1.51	1.50	1.49	1.47	2.76	2.75	2.77	2.74
Transportation equipment.....	1.63	1.53	1.63	1.67	13.16	12.44	13.31	13.78
Furniture and related products.....	1.16	1.14	1.12	1.11	1.30	1.28	1.36	1.40
Miscellaneous products.....	1.61	1.58	1.62	1.59	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.99	0.99	0.98	0.98	(X)	(X)	(X)	(X)
Food products.....	0.74	0.74	0.73	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.44	1.49	1.45	1.49	(X)	(X)	(X)	(X)
Textiles.....	1.30	1.30	1.28	1.26	(X)	(X)	(X)	(X)
Textile products.....	1.63	1.61	1.57	1.51	(X)	(X)	(X)	(X)
Apparel.....	2.05	2.01	1.94	1.81	(X)	(X)	(X)	(X)
Leather and allied products.....	2.20	2.16	2.13	2.08	(X)	(X)	(X)	(X)
Paper products.....	0.99	0.99	1.00	1.00	(X)	(X)	(X)	(X)
Printing.....	0.75	0.75	0.75	0.73	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.80	0.82	0.77	0.80	(X)	(X)	(X)	(X)
Chemical products.....	1.17	1.18	1.18	1.18	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.28	1.27	1.27	1.26	(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	
	Aug ¹ 2010	Aug ² 2009-Jul 2010	Aug ¹ 2010	Aug ² 2009-Jul 2010	Aug ¹ 2010	Aug ² 2009-Jul 2010	Aug ¹ 2010	Aug ² 2009-Jul 2010
	Aug ¹ 2010	Jul 2010	Aug ¹ 2010	Jul 2010	Aug ¹ 2010	Jul 2010	Aug ¹ 2010	Jul 2010
All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.1	(X)	0.1
Durable goods industries.....	-0.1	0.4	-0.2	0.6	0.1	0.1	0.0	0.1
Wood products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.1	0.6	-4.7	1.5	0.3	1.2	-0.3	0.3
Fabricated metal products.....	0.1	0.5	0.0	0.8	0.0	0.2	-0.1	0.2
Machinery.....	-0.2	0.7	1.3	1.9	0.4	0.4	0.1	0.2
Computers and electronic products.....	0.0	1.0	-0.1	1.2	0.0	0.2	-0.1	0.4
Electrical equipment, appliances, and components.....	0.5	0.5	2.5	1.2	0.9	0.4	0.2	0.4
Transportation equipment.....	0.1	1.1	0.1	1.3	0.0	0.1	0.1	0.3
Furniture and related products.....	(X)	0.5	(X)	1.3	(X)	0.9	(X)	0.3
Miscellaneous products.....	(X)	0.4	(X)	0.4	(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)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
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)	1.3	(X)	(NA)	(X)	(NA)	(X)	0.6
Paper products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.7
Petroleum and coal products.....	(X)	0.6	(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>.