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Full Report on Manufacturers' Shipments, Inventories and Orders August 2011

Summary

New orders for manufactured goods in August, down two of the last three months, decreased \$0.8 billion or 0.2 percent to \$451.0 billion, the U.S. Census Bureau reported today. This followed a 2.1 percent July increase. Excluding transportation, new orders decreased 0.2 percent.

Shipments, down following two consecutive monthly increases, decreased \$0.9 billion or 0.2 percent to \$450.2 billion. This followed a 1.2 percent July increase.

Unfilled orders, up sixteen of the last seventeen months, increased \$7.6 billion or 0.9 percent to \$878.8 billion. This followed a 0.9 percent July increase. The unfilled orders-to-shipments ratio was 6.08, up from 6.06 in July.

Inventories, up twenty two of the last twenty three months, increased \$2.4 billion or 0.4 percent to \$601.2 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.6 percent July increase. The inventories-to-shipments ratio was 1.34, up from 1.33 in July.

New Orders

New orders for manufactured durable goods in August, down two of the last three months, decreased \$0.2 billion or 0.1 percent to \$201.9 billion, unchanged from the previously published decrease. This followed a 4.2 percent July increase.

Fabricated metal products, down two consecutive months, had the largest decrease, \$0.1 billion or 0.5 percent to \$25.5 billion.

New orders for manufactured nondurable goods decreased \$0.6 billion or 0.3 percent to \$249.2 billion.

Shipments

Shipments of manufactured durable goods in August, down following three consecutive monthly increases, decreased \$0.3 billion or 0.1 percent to \$201.1 billion, revised from the previously published 0.2 percent decrease. This followed a 2.1 percent July increase.

Transportation equipment, down following two

consecutive monthly increases, decreased \$2.2 billion or 4.6 percent to \$47.1 billion.

Shipments of manufactured nondurable goods, down following two consecutive monthly increases, decreased \$0.6 billion or 0.3 percent to \$249.2 billion. This followed a 0.4 percent July increase. Petroleum and coal products, down four of the last five months, drove the decrease, down \$1.8 billion or 2.5 percent to \$69.1 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in August, up sixteen of the last seventeen months, increased \$7.6 billion or 0.9 percent to \$878.8 billion, unchanged from the previously published increase. This followed a 0.9 percent July increase.

Transportation equipment, up eight consecutive months, had the largest increase, \$6.1 billion or 1.2 percent to \$507.6 billion.

Inventories

Inventories of manufactured durable goods in August, up twenty consecutive months, increased \$3.3 billion or 0.9 percent to \$365.4 billion, unchanged from the previously published increase. This was at the highest level since the series was first published on a NAICS basis and followed a 1.1 percent July increase.

Transportation equipment, also up twenty consecutive months, had the largest increase, \$1.4 billion or 1.3 percent to \$112.3 billion.

Inventories of manufactured nondurable goods, down four consecutive months, decreased \$0.8 billion or 0.4 percent to \$235.8 billion. This followed a 0.1 percent July decrease. Petroleum and coal products, also down four consecutive months, drove the decrease, down \$1.6 billion or 3.1 percent to \$49.8 billion.

By stage of fabrication, August materials and supplies increased 0.8 percent in durable goods and 0.7 percent in nondurable goods. Work in process increased 0.7 percent in durable goods and decreased 2.8 percent in nondurable goods. Finished goods increased 1.2 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 26, 2011, at 8:30 a.m. EDT and the full report on November 3, 2011, 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. 2011 ^P	July 2011 ^f	June 2011	July - Aug.	June - July	May - June	Aug. 2011 ^P	July 2011 ^f	June 2011	Aug. 2010	2011 ^P	2010	Percent 2011/ 2010
All manufacturing industries.....	450,249	451,182	446,021	-0.2	1.2	0.6	470,438	437,119	472,262	414,891	3,540,420	3,165,798	11.8
Excluding transportation.....	403,147	401,832	399,920	0.3	0.5	0.6	420,859	397,695	421,334	367,983	3,174,577	2,814,469	12.8
Excluding defense.....	440,365	441,699	436,020	-0.3	1.3	0.6	460,755	428,675	461,164	403,948	3,461,500	3,070,005	12.8
With unfilled orders.....	144,623	143,721	142,720	0.6	0.7	1.3	149,785	133,150	155,683	136,309	1,122,266	1,040,481	7.9
Durable goods industries.....	201,082	201,376	197,263	-0.1	2.1	1.1	209,371	186,229	213,291	190,606	1,558,755	1,446,806	7.7
Wood products.....	5,263	5,339	5,254	-1.4	1.6	0.0	5,708	5,512	5,834	5,646	42,636	44,786	-4.8
Nonmetallic mineral products.....	7,885	7,834	7,841	0.7	-0.1	0.6	8,959	8,149	8,749	8,618	62,964	61,560	2.3
Primary metals.....	24,181	24,353	23,941	-0.7	1.7	3.4	25,860	23,583	25,721	19,537	188,368	146,660	28.4
Iron and steel mills.....	10,967	11,177	11,237	-1.9	-0.5	0.9	11,567	10,686	12,199	10,107	91,326	75,854	20.4
Aluminum and nonferrous metals.....	11,530	11,493	11,036	0.3	4.1	6.2	12,491	11,303	11,666	7,978	83,905	59,988	39.9
Ferrous metal foundries.....	1,684	1,683	1,668	0.1	0.9	3.4	1,802	1,594	1,856	1,452	13,137	10,818	21.4
Fabricated metal products.....	25,011	24,848	25,053	0.7	-0.8	1.0	27,269	24,146	26,745	25,465	198,442	187,698	5.7
Machinery.....	31,280	29,737	29,527	5.2	0.7	4.2	31,439	27,770	31,880	26,170	231,130	206,339	12.0
Farm machinery.....	3,528	2,971	2,446	18.7	21.5	7.4	3,675	2,823	2,439	2,323	21,533	18,391	17.1
Construction machinery.....	4,301	4,105	3,729	4.8	10.1	5.1	4,307	3,937	3,789	2,910	29,498	21,188	39.2
Mining, oil field, and gas field machinery.....	1,857	1,774	1,712	4.7	3.6	-1.1	1,818	1,589	1,858	1,400	13,072	12,256	6.7
Industrial machinery.....	3,358	3,221	3,246	4.3	-0.8	4.1	3,006	2,916	3,700	2,548	24,696	21,007	17.6
Photographic equipment.....	640	612	636	4.6	-3.8	-3.8	687	541	648	702	5,130	5,322	-3.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,608	2,608	2,635	0.0	-1.0	0.2	2,808	2,672	3,478	2,915	21,180	22,198	-4.6
Metalworking machinery.....	1,943	1,965	1,950	-1.1	0.8	2.9	2,054	1,792	2,163	1,934	14,783	14,626	1.1
Turbines, generators, and other power transmission equipment.....	3,912	3,560	4,272	9.9	-16.7	22.1	3,926	3,253	4,383	3,109	29,344	24,679	18.9
Material handling equipment.....	2,627	2,513	2,546	4.5	-1.3	-0.6	2,772	2,332	2,703	2,313	19,829	16,995	16.7
Computers and electronic products ²	31,059	30,990	30,467	0.2	1.7	-1.2	30,234	30,073	32,276	30,129	239,508	233,696	2.5
Computers.....	4,133	4,294	4,107	-3.7	4.6	3.6	3,890	4,967	4,453	4,030	31,906	28,143	13.4
Computer storage devices.....	747	628	671	18.9	-6.4	-5.9	633	419	1,045	496	5,031	4,536	10.9
Other peripheral equipment.....	925	900	966	2.8	-6.8	3.8	848	663	1,331	777	6,635	6,168	7.6
Nondefense communications equipment.....	2,558	2,567	2,567	-0.4	0.0	-2.5	2,433	2,191	2,996	3,022	20,244	24,439	-17.2
Defense communications equipment.....	489	466	510	4.9	-8.6	5.4	478	460	517	516	3,868	4,379	-11.7
Audio and video equipment.....	245	250	254	-2.0	-1.6	2.4	198	204	233	154	1,749	1,686	3.7
Electronic components.....	3,200	3,210	3,258	-0.3	-1.5	-5.1	3,252	2,975	3,567	3,651	26,118	26,964	-3.1
Nondefense search and navigation equipment.....	1,189	1,220	1,202	-2.5	1.5	-2.9	1,221	1,027	1,357	1,017	9,305	8,271	12.5
Defense search and navigation equipment.....	2,774	2,720	2,719	2.0	0.0	-1.6	2,809	2,364	2,897	2,876	21,456	24,023	-10.7
Electromedical, measuring, and control instruments.....	7,454	7,442	7,647	0.2	-2.7	1.8	7,088	6,385	8,448	6,898	57,359	54,241	5.7
Electrical equipment, appliances, and components.....	10,226	9,921	10,150	3.1	-2.3	0.0	10,718	9,349	10,986	10,059	79,935	75,096	6.4
Electric lighting equipment.....	1,016	1,020	1,028	-0.4	-0.8	2.9	1,042	968	1,057	992	7,934	7,679	3.3
Household appliances.....	1,498	1,524	1,547	-1.7	-1.5	-1.5	1,556	1,400	1,703	1,612	12,404	12,669	-2.1
Electrical equipment.....	3,915	3,649	3,721	7.3	-1.9	0.4	4,053	3,407	4,241	3,644	29,504	27,156	8.6
Batteries.....	862	802	868	7.5	-7.6	-3.2	928	738	885	887	6,462	6,250	3.4
Transportation equipment.....	47,102	49,350	46,101	-4.6	7.0	0.3	49,579	39,424	50,928	46,908	365,843	351,329	4.1
Automobiles.....	5,072	5,325	5,170	-4.8	3.0	1.2	5,728	4,285	5,575	5,575	40,632	38,942	4.3
Light trucks and utility vehicles.....	7,822	9,506	7,955	-17.7	19.5	4.6	8,427	6,262	8,519	7,683	61,957	51,357	20.6
Heavy duty trucks.....	1,986	1,937	1,879	2.5	3.1	-4.7	2,145	1,704	2,007	1,535	14,085	12,194	15.5
Motor vehicle bodies, parts, and trailers.....	14,197	14,996	13,875	-5.3	8.1	-2.6	15,540	12,236	14,810	14,595	114,231	106,734	7.0
Nondefense aircraft and parts.....	7,753	7,550	6,937	2.7	8.8	3.2	7,768	6,319	8,467	6,938	54,657	51,241	6.7
Defense aircraft and parts.....	4,061	3,819	4,213	6.3	-9.4	-0.7	3,871	3,320	4,969	4,461	32,188	39,104	-17.7
Ships and boats.....	2,342	2,309	2,280	1.4	1.3	2.7	2,289	2,091	2,437	2,340	18,417	19,151	-3.8
Furniture and related products.....	5,577	5,421	5,522	2.9	-1.8	-0.8	5,999	5,506	5,763	5,532	44,311	41,145	7.7
Miscellaneous durable goods.....	13,498	13,583	13,407	-0.6	1.3	1.1	13,606	12,717	14,409	12,542	105,618	98,497	7.2
Nondurable goods industries.....	249,167	249,806	248,758	-0.3	0.4	0.2	261,067	250,890	258,971	224,285	1,981,665	1,718,992	15.3
Food products.....	62,171	61,571	61,078	1.0	0.8	0.1	63,254	59,473	61,151	55,568	478,655	431,159	11.0
Grain and oilseed milling.....	8,436	8,269	8,219	2.0	0.6	-1.4	8,821	7,985	7,976	7,208	64,642	55,171	17.2
Dairy products.....	9,554	9,486	9,368	0.7	1.3	2.9	9,801	9,432	9,456	8,484	72,631	63,599	14.2
Meat, poultry, and seafood products.....	17,411	17,165	17,181	1.4	-0.1	0.4	17,707	17,042	17,732	16,241	136,235	127,292	7.0
Beverage and tobacco products.....	12,296	12,004	12,604	2.4	-4.8	4.0	12,969	11,854	13,409	12,261	95,873	85,623	12.0
Beverages.....	9,385	9,469	9,670	-0.9	-2.1	1.9	10,058	9,319	10,475	9,496	75,085	65,061	15.4
Tobacco.....	2,911	2,535	2,934	14.8	-13.6	11.6	2,911	2,535	2,934	2,765	20,788	20,562	1.1
Textile mills.....	2,585	2,611	2,623	-1.0	-0.5	-0.9	2,690	2,525	2,789	2,588	21,090	19,911	5.9
Textile products.....	1,836	1,826	1,854	0.5	-1.5	1.2	1,920	1,866	1,998	1,862	14,948	14,699	1.7
Apparel.....	1,347	1,291	1,280	4.3	0.9	1.3	1,491	1,282	1,272	1,350	9,979	9,523	4.8
Leather and allied products.....	312	318	320	-1.9	-0.6	-3.0	331	316	341	325	2,518	2,476	1.7
Paper products.....	14,306	14,399	14,373	-0.6	0.2	0.3	14,990	14,307	14,852	15,083	115,467	113,581	1.7
Pulp, paper, and paperboard mills.....	6,742	6,754	6,785	-0.2	-0.5	1.8	7,071	6,766	6,973	7,015	53,956	52,835	2.1
Paperboard containers.....	4,226	4,317	4,296	-2.1	0.5	-0.7	4,461	4,303	4,460	4,592	34,854	33,876	2.9
Printing.....	7,068	6,892	6,961	2.6	-1.0	-1.4	7,272	6,432	6,890	7,062	55,009	54,891	0.2
Petroleum and coal products.....	69,097	70,862	69,172	-2.5	2.4	-0.5	75,121	76,728	73,495	54,134	563,559	412,980	36.5
Petroleum refineries.....	64,707	66,541	64,891	-2.8	2.5	-1.0	69,669	71,761	68,343	50,332	530,985	387,115	37.2
Chemical products.....	61,991	61,828	62,377	0.3	-0.9	0.1	63,617	59,990	65,306	57,998	495,470	451,817	9.7
Pesticides, fertilizers, and other agricultural chemicals.....	5,323	5,296	5,264	0.5	0.6	2.0	4,665	4,239	5,583	3,673	44,392	34,781	27.6
Pharmaceuticals and medicines.....	15,371	15,174	15,867	1.3	-4.4	0.6	15,859	14,499	16,388	16,372	123,292	124,620	-1.1
Paints, coatings, and adhesives.....	2,476	2,481	2,478	-0.2	0.1	1.1	2,745	2,627	2,820	2,747	20,401	20,663	-1.3
Plastics and rubber products.....	16,158	16,204	16,116	-0.3	0.5	1.7	17,412	16,117	17,468	16,054	129,097	122,332	5.5

^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. 2011 ^P	July 2011 ^f	June 2011	July - Aug.	June - July	May - June	Aug. 2011 ^P	July 2011 ^f	June 2011	Aug. 2010	2011 ^P	2010	Percent 2011/2010
All manufacturing industries ²	451,045	451,885	442,711	-0.2	2.1	-0.4	468,533	433,515	465,286	406,032	3,533,034	3,127,659	13.0
Excluding transportation ²	397,862	398,627	396,392	-0.2	0.6	0.4	412,798	392,752	416,263	362,903	3,151,485	2,789,340	13.0
Excluding defense ²	440,842	441,705	431,725	-0.2	2.3	-0.2	459,598	426,740	453,434	396,341	3,448,687	3,034,619	13.6
With unfilled orders ²	152,261	151,297	145,513	0.6	4.0	-2.0	154,749	137,588	153,667	133,684	1,167,477	1,049,913	11.2
Durable goods industries ²	201,878	202,079	193,953	-0.1	4.2	-1.1	207,466	182,625	206,315	181,747	1,551,369	1,408,667	10.1
Primary metals.....	24,360	24,438	22,749	-0.3	7.4	0.3	25,983	23,701	23,933	19,843	188,667	152,273	23.9
Iron and steel mills.....	10,796	11,101	9,642	-2.7	15.1	-8.1	11,475	10,638	10,155	10,378	89,556	80,626	11.1
Aluminum and nonferrous metals.....	11,777	11,614	11,425	1.4	1.7	8.6	12,613	11,427	11,967	7,955	85,398	60,542	41.1
Ferrous metal foundries.....	1,787	1,723	1,682	3.7	2.4	0.5	1,895	1,636	1,811	1,510	13,713	11,105	23.5
Fabricated metal products.....	25,519	25,648	25,865	-0.5	-0.8	4.0	27,225	24,852	26,677	25,217	204,149	190,281	7.3
Machinery.....	32,611	32,621	32,015	0.0	1.9	-1.4	32,084	30,688	33,494	27,155	252,731	216,570	16.7
Construction machinery.....	4,020	4,575	4,181	-12.1	9.4	11.5	3,953	4,465	3,884	3,026	31,393	21,871	43.5
Mining, oil field, and gas field machinery.....	1,662	2,680	2,275	-38.0	17.8	-19.9	1,759	2,545	2,240	1,666	17,484	13,946	25.4
Industrial machinery.....	3,496	2,770	3,381	26.2	-18.1	1.0	2,832	2,706	3,685	2,481	25,673	22,372	14.8
Photographic equipment.....	636	628	691	1.3	-9.1	-2.5	670	566	691	703	5,252	5,396	-2.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,553	2,929	2,631	-12.8	11.3	-19.9	2,400	2,887	3,514	3,114	24,967	24,551	1.7
Metalworking machinery.....	1,999	2,089	2,111	-4.3	-1.0	6.1	2,093	1,884	2,289	1,927	15,953	14,494	10.1
Turbines, generators, and other power transmission equipment.....	4,776	4,689	5,542	1.9	-15.4	21.2	4,714	4,428	5,634	3,492	34,523	25,868	33.5
Material handling equipment.....	2,853	2,613	2,371	9.2	10.2	-9.5	2,910	2,279	2,479	2,162	20,650	17,672	16.9
Computers and electronic products ²	23,896	23,749	24,618	0.6	-3.5	0.9	22,320	20,958	27,383	24,297	185,324	185,610	-0.2
Computers.....	4,112	3,970	4,237	3.6	-6.3	2.6	3,869	4,643	4,583	4,066	31,550	28,090	12.3
Nondefense communications equipment.....	2,426	2,266	2,992	7.1	-24.3	18.0	2,493	1,805	3,216	3,854	19,053	23,750	-19.8
Defense communications equipment.....	524	470	474	11.5	-0.8	3.9	370	306	555	361	3,366	4,356	-22.7
Electronic components.....	3,134	3,243	3,181	-3.4	1.9	-7.1	3,326	3,070	3,437	3,684	26,329	27,958	-5.8
Nondefense search and navigation equipment.....	1,190	1,157	1,300	2.9	-11.0	3.1	1,199	997	1,478	1,001	9,588	8,218	16.7
Defense search and navigation equipment.....	2,732	2,781	2,833	-1.8	-1.8	0.7	2,337	2,011	2,977	2,894	20,757	23,559	-11.9
Electromedical, measuring, and control instruments.....	7,358	7,664	7,247	-4.0	5.8	-2.5	6,532	6,464	8,056	6,552	58,026	54,014	7.4
Electrical equipment, appliances, and components.....	10,307	10,163	10,440	1.4	-2.7	0.4	10,511	9,866	11,194	10,151	82,941	78,665	5.4
Electric lighting equipment.....	1,025	1,020	1,042	0.5	-2.1	3.7	1,054	939	1,150	1,004	8,068	7,795	3.5
Household appliances.....	1,539	1,492	1,593	3.2	-6.3	2.9	1,562	1,446	1,635	1,502	12,505	12,694	-1.5
Electrical equipment.....	3,822	3,818	3,846	0.1	-0.7	0.8	3,825	3,740	4,355	3,768	31,184	28,959	7.7
Transportation equipment.....	53,183	53,258	46,319	-0.1	15.0	-6.6	55,735	40,763	49,023	43,129	381,549	338,319	12.8
Motor vehicle bodies, parts, and trailers.....	14,334	15,138	13,955	-5.3	8.5	-2.0	15,343	12,400	14,553	14,310	113,785	105,433	7.9
Nondefense aircraft and parts.....	13,515	10,947	7,302	23.5	49.9	-24.0	14,463	8,879	7,246	4,935	69,460	47,543	46.1
Defense aircraft and parts.....	5,013	4,093	4,090	22.5	0.1	-20.5	4,426	2,931	4,746	3,429	35,108	38,399	-8.6
Ships and boats.....	1,840	1,948	2,612	-5.5	-25.4	6.1	1,404	1,137	2,714	1,451	19,682	15,078	30.5
Furniture and related products.....	5,411	5,438	5,467	-0.5	-0.5	-0.2	5,390	5,411	5,641	5,174	44,932	41,674	7.8
Nondurable goods industries.....	249,167	249,806	248,758	-0.3	0.4	0.2	261,067	250,890	258,971	224,285	1,981,665	1,718,992	15.3

^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 Aug. 11/10
	Aug. 2011 ^P	July 2011 ^r	June 2011	July - Aug.	June - July	May - June	Aug. 2011 ^P	July 2011 ^r	June 2011	Aug. 2010	
All manufacturing industries ²	878,755	871,117	863,541	0.9	0.9	0.3	874,669	869,705	865,267	808,105	8.2
Excluding transportation ²	371,121	369,564	365,896	0.4	1.0	0.7	369,703	370,895	367,796	327,201	13.0
Excluding defense ²	708,205	700,886	694,007	1.0	1.0	0.3	705,838	700,126	694,019	646,895	9.1
Durable goods industries ²	878,755	871,117	863,541	0.9	0.9	0.3	874,669	869,705	865,267	808,105	8.2
Primary metals.....	31,779	31,600	31,515	0.6	0.3	-3.6	31,960	31,837	31,719	29,314	9.0
Iron and steel mills.....	17,396	17,567	17,643	-1.0	-0.4	-8.3	17,752	17,844	17,892	18,121	-2.0
Aluminum and nonferrous metals.....	10,906	10,659	10,538	2.3	1.1	3.8	10,753	10,631	10,507	8,412	27.8
Ferrous metal foundries.....	3,477	3,374	3,334	3.1	1.2	0.4	3,455	3,362	3,320	2,781	24.2
Fabricated metal products.....	64,886	64,378	63,578	0.8	1.3	1.3	64,995	65,039	64,333	61,238	6.1
Machinery.....	116,294	114,963	112,079	1.2	2.6	2.3	115,879	115,234	112,316	86,513	33.9
Construction machinery.....	9,993	10,274	9,804	-2.7	4.8	4.8	9,843	10,197	9,669	6,772	45.3
Mining, oil field, and gas field machinery.....	12,950	13,145	12,239	-1.5	7.4	4.8	13,098	13,157	12,201	8,309	57.6
Industrial machinery.....	15,027	14,889	15,340	0.9	-2.9	0.9	14,865	15,039	15,249	12,160	22.2
Photographic equipment.....	1,999	2,003	1,987	-0.2	0.8	2.8	2,001	2,018	1,993	2,295	-12.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	20,890	20,945	20,624	-0.3	1.6	0.0	20,867	21,275	21,060	15,951	30.8
Metalworking machinery.....	5,474	5,418	5,294	1.0	2.3	3.1	5,438	5,399	5,307	3,983	36.5
Turbines, generators, and other power transmission equipment.....	19,924	19,060	17,931	4.5	6.3	7.6	19,864	19,076	17,901	11,944	66.3
Material handling equipment.....	8,550	8,324	8,224	2.7	1.2	-2.1	8,384	8,246	8,299	7,058	18.8
Computers and electronic products ²	123,640	123,961	124,329	-0.3	-0.3	0.2	122,284	123,329	124,402	120,126	1.8
Computers.....	3,298	3,319	3,643	-0.6	-8.9	3.7	3,298	3,319	3,643	3,491	-5.5
Nondefense communications equipment.....	22,237	22,369	22,670	-0.6	-1.3	1.9	22,053	21,993	22,379	22,721	-2.9
Defense communications equipment.....	6,035	6,000	5,996	0.6	0.1	-0.6	5,845	5,953	6,107	6,138	-4.8
Electronic components.....	11,480	11,546	11,513	-0.6	0.3	-0.7	11,642	11,568	11,473	11,588	0.5
Nondefense search and navigation equipment.....	8,794	8,793	8,856	0.0	-0.7	1.1	8,808	8,830	8,860	8,941	-1.5
Defense search and navigation equipment.....	43,984	44,026	43,965	-0.1	0.1	0.3	43,331	43,803	44,156	42,053	3.0
Electromedical, measuring, and control instruments.....	27,812	27,908	27,686	-0.3	0.8	-1.4	27,307	27,863	27,784	25,194	8.4
Electrical equipment, appliances, and components.....	26,121	26,040	25,798	0.3	0.9	1.1	26,258	26,465	25,948	22,200	18.3
Electric lighting equipment.....	1,095	1,086	1,086	0.8	0.0	1.3	1,151	1,139	1,168	1,082	6.4
Household appliances.....	846	805	837	5.1	-3.8	5.8	805	799	753	569	41.5
Electrical equipment.....	14,580	14,673	14,504	-0.6	1.2	0.9	14,717	14,945	14,612	12,517	17.6
Transportation equipment.....	507,634	501,553	497,645	1.2	0.8	0.0	504,966	498,810	497,471	480,904	5.0
Motor vehicle bodies, parts, and trailers.....	13,862	13,725	13,583	1.0	1.0	0.6	13,350	13,547	13,383	12,599	6.0
Nondefense aircraft and parts.....	353,412	347,650	344,253	1.7	1.0	0.1	352,219	345,524	342,964	327,381	7.6
Defense aircraft and parts.....	55,579	54,627	54,353	1.7	0.5	-0.2	55,025	54,470	54,859	50,366	9.3
Ships and boats.....	18,504	19,006	19,367	-2.6	-1.9	1.7	18,201	19,086	20,040	18,858	-3.5
Furniture and related products.....	6,925	7,091	7,074	-2.3	0.2	-0.8	6,851	7,460	7,555	6,292	8.9

^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					Percent Change Aug. 11/10
	Monthly			Percent Change			Monthly					
	Aug. 2011 ^P	July 2011 ^F	June 2011	July - Aug.	June - July	May - June	Aug. 2011 ^P	July 2011 ^F	June 2011	Aug. 2010		
All manufacturing industries.....	601,185	598,758	595,119	0.4	0.6	0.4	606,352	604,143	593,816	536,698	13.0	
Excluding transportation.....	488,882	487,894	486,014	0.2	0.4	0.2	493,122	492,168	485,071	441,650	11.7	
Excluding defense.....	575,119	572,812	569,327	0.4	0.6	0.4	580,371	578,183	568,102	511,852	13.4	
With unfilled orders.....	300,253	297,399	294,156	1.0	1.1	0.8	302,485	300,003	293,483	264,460	14.4	
Durable goods industries.....	365,357	362,100	358,215	0.9	1.1	0.6	368,144	364,914	357,232	325,155	13.2	
Wood products.....	8,479	8,452	8,467	0.3	-0.2	-1.7	8,462	8,333	8,312	8,374	1.1	
Nonmetallic mineral products.....	10,921	10,844	10,838	0.7	0.1	0.6	10,868	10,892	10,907	10,188	6.7	
Primary metals.....	34,843	34,282	33,853	1.6	1.3	0.2	35,066	34,965	34,270	29,502	18.9	
Iron and steel mills.....	21,859	21,298	20,893	2.6	1.9	0.3	21,999	21,903	21,306	18,063	21.8	
Aluminum and nonferrous metals.....	10,968	10,981	10,987	-0.1	-0.1	0.2	11,074	11,091	11,010	9,643	14.8	
Ferrrous metal foundries.....	2,016	2,003	1,973	0.6	1.5	-0.2	1,993	1,971	1,954	1,796	11.0	
Fabricated metal products.....	46,068	45,689	45,269	0.8	0.9	0.5	46,270	46,195	45,443	41,369	11.8	
Machinery.....	59,264	58,562	57,759	1.2	1.4	0.9	59,475	58,525	57,280	51,857	14.7	
Farm machinery.....	3,475	3,337	3,249	4.1	2.7	1.5	3,314	3,230	3,290	2,558	29.6	
Construction machinery.....	5,767	5,498	5,428	4.9	1.3	3.8	5,706	5,420	5,449	4,353	31.1	
Mining, oil field, and gas field machinery.....	7,229	7,185	7,053	0.6	1.9	0.3	7,350	7,335	7,107	6,278	17.1	
Industrial machinery.....	6,757	6,683	6,566	1.1	1.8	0.8	6,849	6,631	6,577	6,249	9.6	
Photographic equipment.....	1,610	1,582	1,539	1.8	2.8	-0.1	1,635	1,634	1,546	1,494	9.4	
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,220	4,242	4,251	-0.5	-0.2	-0.6	4,248	4,298	4,253	4,062	4.6	
Metalworking machinery.....	4,718	4,721	4,666	-0.1	1.2	2.8	4,813	4,807	4,657	4,120	16.8	
Turbines, generators, and other power transmission equipment.....	7,540	7,466	7,323	1.0	2.0	0.4	7,709	7,461	6,985	6,242	23.5	
Material handling equipment.....	3,676	3,635	3,536	1.1	2.8	1.8	3,673	3,638	3,518	3,234	13.6	
Computers and electronic products ²	48,441	48,568	48,259	-0.3	0.6	0.3	49,231	48,807	47,583	45,994	7.0	
Computers.....	3,132	3,248	3,005	-3.6	8.1	-1.1	3,338	3,201	2,986	3,244	-2.9	
Computer storage devices.....	1,385	1,381	1,359	0.3	1.6	8.5	1,435	1,410	1,307	1,333	7.7	
Other peripheral equipment.....	1,450	1,432	1,422	1.3	0.7	0.7	1,531	1,480	1,408	1,499	2.1	
Nondefense communications equipment.....	7,309	7,220	7,279	1.2	-0.8	2.4	7,347	7,159	7,017	6,709	9.5	
Defense communications equipment.....	2,747	2,703	2,664	1.6	1.5	0.9	2,747	2,703	2,664	2,484	10.6	
Audio and video equipment.....	523	528	534	-0.9	-1.1	1.3	563	539	508	551	2.2	
Electronic components.....	7,071	7,168	7,173	-1.4	-0.1	-0.1	7,072	7,280	6,988	6,786	4.2	
Nondefense search and navigation equipment.....	3,232	3,201	3,187	1.0	0.4	-1.0	3,260	3,219	3,148	3,067	6.3	
Defense search and navigation equipment.....	2,699	2,773	2,788	-2.7	-0.5	-4.2	2,722	2,814	2,764	2,901	-6.2	
Electromedical, measuring and control instruments.....	12,922	12,945	12,930	-0.2	0.1	0.7	13,169	12,958	12,733	11,899	10.7	
Electrical equipment, appliances, and components.....	15,601	15,529	15,519	0.5	0.1	0.2	15,805	15,742	15,547	14,860	6.4	
Electric lighting equipment.....	1,781	1,760	1,745	1.2	0.9	0.9	1,830	1,795	1,770	1,700	7.6	
Household appliances.....	2,200	2,199	2,222	0.0	-1.0	-0.2	2,307	2,285	2,227	2,216	4.1	
Electrical equipment.....	5,024	5,013	5,033	0.2	-0.4	0.3	4,963	5,023	4,950	4,774	4.0	
Batteries.....	998	1,002	1,022	-0.4	-2.0	-1.4	1,043	1,039	1,042	1,085	-3.9	
Transportation equipment.....	112,303	110,864	109,105	1.3	1.6	1.2	113,230	111,975	108,745	95,048	19.1	
Automobiles.....	3,146	3,107	2,870	1.3	8.3	-1.1	3,227	3,225	2,744	2,631	22.7	
Light trucks and utility vehicles.....	3,125	3,093	2,912	1.0	6.2	2.0	3,352	3,107	2,878	2,748	22.0	
Heavy duty trucks.....	1,452	1,476	1,488	-1.6	-0.8	-5.0	1,486	1,520	1,473	1,463	1.6	
Motor vehicle bodies, parts, and trailers.....	17,928	17,809	17,736	0.7	0.4	1.0	17,931	17,891	17,521	16,291	10.1	
Nondefense aircraft and parts.....	61,462	60,313	59,188	1.9	1.9	2.3	61,933	61,114	59,354	47,159	31.3	
Defense aircraft and parts.....	14,413	14,368	14,265	0.3	0.7	-2.3	14,484	14,458	14,304	13,981	3.6	
Ships and boats.....	3,434	3,349	3,356	2.5	-0.2	1.2	3,358	3,268	3,344	2,927	14.7	
Furniture and related products.....	6,850	6,829	6,784	0.3	0.7	0.3	6,906	6,941	6,918	6,569	5.1	
Miscellaneous durable goods.....	22,587	22,481	22,362	0.5	0.5	0.2	22,831	22,539	22,227	21,394	6.7	
Nondurable goods industries.....	235,828	236,658	236,904	-0.4	-0.1	0.0	238,208	239,229	236,584	211,543	12.6	
Food products.....	45,206	45,007	44,827	0.4	0.4	0.6	45,321	44,405	43,354	41,768	8.5	
Grain and oilseed milling.....	5,437	5,443	5,493	-0.1	-0.9	-2.6	5,226	5,371	5,310	5,036	3.8	
Dairy products.....	6,093	6,016	5,886	1.3	2.2	2.6	6,281	6,271	6,099	5,488	14.4	
Meat, poultry, and seafood products.....	8,570	8,551	8,574	0.2	-0.3	0.2	8,548	8,438	8,286	8,158	4.8	
Beverage and tobacco products.....	16,355	16,499	16,420	-0.9	0.5	0.2	15,792	15,964	15,937	15,654	0.9	
Beverages.....	12,896	13,022	12,967	-1.0	0.4	0.2	12,544	12,689	12,627	12,268	2.2	
Tobacco.....	3,459	3,477	3,453	-0.5	0.7	0.4	3,248	3,275	3,310	3,386	-4.1	
Textile mills.....	3,645	3,631	3,589	0.4	1.2	1.4	3,633	3,641	3,603	3,076	18.1	
Textile products.....	3,047	3,030	2,999	0.6	1.0	0.3	3,076	3,057	3,040	2,761	11.4	
Apparel.....	2,560	2,521	2,461	1.5	2.4	0.2	2,696	2,653	2,526	2,268	18.9	
Leather and allied products.....	902	897	891	0.6	0.7	0.2	924	916	894	774	19.4	
Paper products.....	14,045	13,991	13,943	0.4	0.3	0.1	14,056	13,940	13,777	13,801	1.8	
Pulp, paper, and paperboard mills.....	6,007	5,987	5,948	0.3	0.7	-0.2	5,993	5,949	5,818	5,752	4.2	
Paperboard containers.....	4,032	4,004	4,011	0.7	-0.2	0.6	4,021	3,985	3,988	4,078	-1.4	
Printing.....	5,525	5,552	5,528	-0.5	0.4	0.3	5,600	5,620	5,503	5,434	3.1	
Petroleum and coal products.....	49,807	51,383	52,417	-3.1	-2.0	-2.5	51,906	54,083	53,752	39,038	33.0	
Petroleum refineries.....	46,360	47,990	49,095	-3.4	-2.3	-2.7	48,295	50,547	50,363	35,853	34.7	
Chemical products.....	73,675	73,262	72,984	0.6	0.4	0.5	74,201	73,972	73,337	67,746	9.5	
Pesticides, fertilizers, and other agricultural chemicals.....	3,859	3,726	3,666	3.6	1.6	1.6	3,511	3,486	3,504	3,132	12.1	
Pharmaceuticals and medicines.....	25,255	25,199	25,449	0.2	-1.0	-0.1	25,648	25,548	25,890	25,076	2.3	
Paints, coatings, and adhesives.....	3,119	3,092	3,106	0.9	-0.5	-0.6	3,129	3,132	3,177	2,937	6.5	
Plastics and rubber products.....	21,061	20,885	20,845	0.8	0.2	2.8	21,003	20,978	20,861	19,223	9.3	

^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 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 2011/ 2010
	Aug. 2011 ^p	July 2011 ^f	June 2011	July - Aug.	June - July	May - June	Aug. 2011 ^p	July 2011 ^f	June 2011	Aug. 2010	2011 ^p	2010	
SHIPMENTS													
All manufacturing industries.....	450,249	451,182	446,021	-0.2	1.2	0.6	470,438	437,119	472,262	414,891	3,540,420	3,165,798	11.8
Construction materials and supplies.....	37,400	37,192	37,170	0.6	0.1	1.4	41,744	38,207	41,786	38,814	296,365	287,093	3.2
Information technology.....	24,592	24,445	24,728	0.6	-1.1	0.6	23,939	22,433	27,497	23,870	189,554	185,825	2.0
Computers and related products.....	5,805	5,822	5,744	-0.3	1.4	2.4	5,371	6,049	6,829	5,303	43,572	38,847	12.2
Motor vehicle and parts.....	29,077	31,764	28,879	-8.5	10.0	-0.2	31,840	24,487	30,911	29,388	230,905	209,227	10.4
Capital goods.....	78,827	76,690	76,144	2.8	0.7	1.7	78,785	70,850	83,353	71,746	593,131	563,095	5.3
Nondefense capital goods ³	71,290	69,370	68,410	2.8	1.4	2.1	71,303	64,231	75,062	63,077	531,199	485,534	9.4
Excluding aircraft.....	66,519	64,677	64,513	2.8	0.3	2.0	66,441	60,428	70,287	58,857	499,958	455,005	9.9
Defense capital goods ⁴	7,537	7,320	7,734	3.0	-5.4	-1.9	7,482	6,619	8,291	8,669	61,932	77,561	-20.2
Consumer goods.....	195,022	197,692	195,158	-1.4	1.3	0.4	204,493	194,492	202,325	175,009	1,551,361	1,330,111	16.6
Consumer durable goods.....	25,377	27,300	25,632	-7.0	6.5	2.2	26,807	21,879	27,362	25,159	202,218	185,253	9.2
Consumer nondurable goods.....	169,645	170,392	169,526	-0.4	0.5	0.1	177,686	172,613	174,963	149,850	1,349,143	1,144,858	17.8
NEW ORDERS													
All manufacturing industries ⁵	451,045	451,885	442,711	-0.2	2.1	-0.4	468,533	433,515	465,286	406,032	3,533,034	3,127,659	13.0
Construction materials and supplies.....	37,264	37,690	37,411	-1.1	0.7	0.7	40,825	38,462	41,525	38,834	301,989	290,544	3.9
Information technology.....	24,457	24,165	25,219	1.2	-4.2	1.6	22,806	21,457	27,806	24,306	188,969	186,015	1.6
Computers and related products.....	5,784	5,498	5,874	5.2	-6.4	1.7	5,350	5,725	6,959	5,339	43,216	38,794	11.4
Motor vehicle and parts.....	29,214	31,906	28,959	-8.4	10.2	0.1	31,643	24,651	30,654	29,103	230,459	207,926	10.8
Capital goods.....	85,623	82,333	79,870	4.0	3.1	-2.4	84,593	73,343	84,552	70,037	629,975	565,366	11.4
Nondefense capital goods ³	77,843	74,125	71,136	5.0	4.2	-2.4	77,576	68,011	75,439	62,165	562,439	490,742	14.6
Excluding aircraft.....	67,470	66,897	67,097	0.9	-0.3	0.8	66,062	62,536	71,727	59,835	518,523	463,678	11.8
Defense capital goods ⁴	7,780	8,208	8,734	-5.2	-6.0	-3.0	7,017	5,332	9,113	7,872	67,536	74,624	-9.5
Consumer goods.....	194,907	197,683	195,112	-1.4	1.3	0.4	204,238	194,652	201,991	174,703	1,551,295	1,330,508	16.6
Consumer durable goods.....	25,262	27,291	25,586	-7.4	6.7	2.5	26,552	22,039	27,028	24,853	202,152	185,650	8.9
Consumer nondurable goods.....	169,645	170,392	169,526	-0.4	0.5	0.1	177,686	172,613	174,963	149,850	1,349,143	1,144,858	17.8
UNFILLED ORDERS													
All manufacturing industries ⁵	878,755	871,117	863,541	0.9	0.9	0.3	874,669	869,705	865,267	808,105	(X)	(X)	8.2
Construction materials and supplies.....	58,167	58,303	57,805	-0.2	0.9	0.4	58,056	58,975	58,720	52,323	(X)	(X)	11.0
Information technology.....	123,759	123,894	124,174	-0.1	-0.2	0.4	122,228	123,361	124,337	118,865	(X)	(X)	2.8
Computers and related products.....	3,298	3,319	3,643	-0.6	-8.9	3.7	3,298	3,319	3,643	3,491	(X)	(X)	-5.5
Motor vehicle and parts.....	13,862	13,725	13,583	1.0	1.0	0.6	13,350	13,547	13,383	12,599	(X)	(X)	6.0
Capital goods.....	668,355	661,559	655,916	1.0	0.9	0.6	665,056	659,248	656,755	612,472	(X)	(X)	8.6
Nondefense capital goods ³	516,778	510,225	505,470	1.3	0.9	0.5	514,780	508,507	504,727	468,048	(X)	(X)	10.0
Excluding aircraft.....	205,641	204,690	202,470	0.5	1.1	1.3	204,659	205,038	202,930	178,294	(X)	(X)	14.8
Defense capital goods ⁴	151,577	151,334	150,446	0.2	0.6	0.7	150,276	150,741	152,028	144,424	(X)	(X)	4.1
Consumer goods.....	4,657	4,772	4,781	-2.4	-0.2	-1.0	4,544	4,799	4,639	4,374	(X)	(X)	3.9
Consumer durable goods.....	4,657	4,772	4,781	-2.4	-0.2	-1.0	4,544	4,799	4,639	4,374	(X)	(X)	3.9
TOTAL INVENTORIES													
All manufacturing industries.....	601,185	598,758	595,119	0.4	0.6	0.4	606,352	604,143	593,816	536,698	(X)	(X)	13.0
Construction materials and supplies.....	57,377	57,027	56,814	0.6	0.4	0.0	57,721	57,469	56,802	53,784	(X)	(X)	7.3
Information technology.....	42,988	42,960	42,590	0.1	0.9	0.5	43,803	43,114	42,020	40,624	(X)	(X)	7.8
Computers and related products.....	5,967	6,061	5,786	-1.6	4.8	1.5	6,304	6,091	5,701	6,076	(X)	(X)	3.8
Motor vehicle and parts.....	25,651	25,485	25,006	0.7	1.9	0.5	25,996	25,743	24,616	23,133	(X)	(X)	12.4
Capital goods.....	187,447	185,440	183,270	1.1	1.2	1.0	188,894	186,408	182,573	162,384	(X)	(X)	16.3
Nondefense capital goods ³	166,887	165,025	162,954	1.1	1.3	1.4	168,490	166,069	162,374	142,672	(X)	(X)	18.1
Excluding aircraft.....	114,073	113,218	112,084	0.8	1.0	0.9	115,323	113,515	111,219	103,573	(X)	(X)	11.3
Defense capital goods ⁴	20,560	20,415	20,316	0.7	0.5	-2.3	20,404	20,339	20,199	19,712	(X)	(X)	3.5
Consumer goods.....	178,260	179,531	180,038	-0.7	-0.3	-0.6	180,981	181,636	179,267	160,769	(X)	(X)	12.6
Consumer durable goods.....	27,091	26,944	26,515	0.5	1.6	0.0	27,670	27,104	26,035	25,546	(X)	(X)	8.3
Consumer nondurable goods.....	151,169	152,587	153,523	-0.9	-0.6	-0.7	153,311	154,532	153,232	135,223	(X)	(X)	13.4

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					Percent Change Aug. 11/10
	Monthly			Percent Change			Monthly					
	Aug. 2011 ^P	July 2011 ^r	June 2011	July - Aug.	June - July	May - June	Aug. 2011 ^P	July 2011 ^r	June 2011	Aug. 2010		
MATERIALS AND SUPPLIES												
All manufacturing industries.....	196,955	195,469	194,955	0.8	0.3	-0.1	197,816	197,181	194,985	176,906	11.8	
Durable goods industries.....	116,629	115,723	114,983	0.8	0.6	0.2	117,076	116,657	114,413	106,786	9.6	
Wood products.....	3,113	3,106	3,136	0.2	-1.0	-3.4	3,107	3,015	2,955	3,154	-1.5	
Nonmetallic mineral products.....	4,371	4,335	4,351	0.8	-0.4	1.0	4,381	4,343	4,355	4,046	8.3	
Primary metals.....	14,142	13,900	13,714	1.7	1.4	-0.2	14,205	14,112	13,899	12,118	17.2	
Fabricated metal products.....	16,493	16,390	16,312	0.6	0.5	0.3	16,584	16,518	16,367	14,696	12.8	
Machinery.....	22,098	21,890	21,664	1.0	1.0	1.6	22,232	22,068	21,463	19,255	15.5	
Computers and electronic products.....	18,507	18,429	18,109	0.4	1.8	-1.2	18,561	18,438	17,811	16,676	11.3	
Electrical equipment, appliances, and components.....	6,561	6,557	6,534	0.1	0.4	0.4	6,642	6,667	6,596	6,400	3.8	
Transportation equipment.....	20,831	20,591	20,691	1.2	-0.5	0.1	20,777	20,904	20,505	20,583	0.9	
Furniture and related products.....	3,334	3,378	3,321	-1.3	1.7	1.9	3,335	3,408	3,347	3,103	7.5	
Miscellaneous products.....	7,179	7,147	7,151	0.4	-0.1	0.0	7,252	7,184	7,115	6,755	7.4	
Nondurable goods industries.....	80,326	79,746	79,972	0.7	-0.3	-0.6	80,740	80,524	80,572	70,120	15.1	
Food products.....	14,941	14,786	14,483	1.0	2.1	-0.3	14,539	14,577	14,142	13,686	6.2	
Beverage and tobacco products.....	4,332	4,344	4,334	-0.3	0.2	1.0	4,080	4,148	4,206	4,115	-0.9	
Textiles.....	1,289	1,303	1,324	-1.1	-1.6	0.2	1,301	1,326	1,337	1,149	13.2	
Textile products.....	1,398	1,400	1,394	-0.1	0.4	1.5	1,414	1,430	1,417	1,253	12.8	
Apparel.....	885	866	847	2.2	2.2	1.0	897	887	862	636	41.0	
Leather and allied products.....	309	310	313	-0.3	-1.0	2.3	316	314	309	276	14.5	
Paper products.....	6,698	6,660	6,662	0.6	0.0	-0.1	6,722	6,592	6,569	6,590	2.0	
Printing.....	2,652	2,678	2,681	-1.0	-0.1	-0.5	2,677	2,709	2,693	2,614	2.4	
Petroleum and coal products.....	15,713	15,659	16,459	0.3	-4.9	-5.4	16,450	16,444	17,275	11,276	45.9	
Chemical products.....	23,360	23,037	22,868	1.4	0.7	1.2	23,501	23,221	23,132	20,737	13.3	
Plastics and rubber products.....	8,749	8,703	8,607	0.5	1.1	2.4	8,843	8,876	8,630	7,788	13.5	
WORK IN PROCESS												
All manufacturing industries.....	187,055	187,275	186,284	-0.1	0.5	0.9	187,772	188,551	185,309	162,054	15.9	
Durable goods industries.....	142,474	141,416	139,595	0.7	1.3	1.0	143,549	142,668	139,407	121,606	18.0	
Wood products.....	1,511	1,518	1,529	-0.5	-0.7	-0.4	1,507	1,505	1,532	1,402	7.5	
Nonmetallic mineral products.....	1,204	1,205	1,207	-0.1	-0.2	0.8	1,192	1,217	1,239	1,147	3.9	
Primary metals.....	10,139	9,954	9,801	1.9	1.6	-0.3	10,372	10,320	10,017	8,639	20.1	
Fabricated metal products.....	12,776	12,639	12,413	1.1	1.8	1.0	12,857	12,735	12,354	11,252	14.3	
Machinery.....	14,917	15,159	15,054	-1.6	0.7	-0.1	15,142	15,243	14,948	14,006	8.1	
Computers and electronic products.....	18,238	18,362	18,374	-0.7	-0.1	0.9	18,564	18,543	18,313	18,140	2.3	
Electrical equipment, appliances, and components.....	3,726	3,680	3,658	1.3	0.6	1.0	3,805	3,737	3,653	3,337	14.0	
Transportation equipment.....	75,531	74,557	73,222	1.3	1.8	1.5	75,635	74,985	72,981	59,412	27.3	
Furniture and related products.....	1,091	1,067	1,060	2.2	0.7	-1.7	1,091	1,077	1,068	978	11.6	
Miscellaneous products.....	3,341	3,275	3,277	2.0	-0.1	0.9	3,384	3,306	3,302	3,293	2.8	
Nondurable goods industries.....	44,581	45,859	46,689	-2.8	-1.8	0.6	44,223	45,883	45,902	40,448	9.3	
Food products.....	3,570	3,628	3,617	-1.6	0.3	0.7	3,053	3,093	3,064	2,820	8.3	
Beverage and tobacco products.....	5,502	5,538	5,522	-0.7	0.3	-0.3	4,969	5,056	5,184	4,942	0.5	
Textiles.....	836	836	815	0.0	2.6	0.4	847	847	813	728	16.3	
Textile products.....	478	469	453	1.9	3.5	-1.9	480	465	454	429	11.9	
Apparel.....	378	368	369	2.7	-0.3	1.9	397	390	383	373	6.4	
Leather and allied products.....	99	95	91	4.2	4.4	-1.1	98	93	93	75	30.7	
Paper products.....	1,269	1,288	1,267	-1.5	1.7	2.8	1,294	1,305	1,272	1,273	1.6	
Printing.....	1,249	1,243	1,216	0.5	2.2	0.5	1,284	1,247	1,144	1,234	4.1	
Petroleum and coal products.....	14,805	15,834	16,383	-6.5	-3.4	0.5	15,282	16,661	16,388	11,955	27.8	
Chemical products.....	14,403	14,549	14,867	-1.0	-2.1	0.4	14,537	14,731	15,046	14,475	0.4	
Plastics and rubber products.....	1,992	2,011	2,089	-0.9	-3.7	4.9	1,982	1,995	2,061	2,144	-7.6	
FINISHED GOODS												
All manufacturing industries.....	217,175	216,014	213,880	0.5	1.0	0.4	220,764	218,411	213,522	197,738	11.6	
Durable goods industries.....	106,254	104,961	103,637	1.2	1.3	0.7	107,519	105,589	103,412	96,763	11.1	
Wood products.....	3,855	3,828	3,802	0.7	0.7	-0.8	3,848	3,813	3,825	3,818	0.8	
Nonmetallic mineral products.....	5,346	5,304	5,280	0.8	0.5	0.3	5,295	5,332	5,313	4,995	6.0	
Primary metals.....	10,562	10,428	10,338	1.3	0.9	1.4	10,489	10,533	10,354	8,745	19.9	
Fabricated metal products.....	16,799	16,660	16,544	0.8	0.7	0.3	16,829	16,942	16,722	15,421	9.1	
Machinery.....	22,249	21,513	21,041	3.4	2.2	0.9	22,101	21,214	20,869	18,596	18.8	
Computers and electronic products.....	11,696	11,777	11,776	-0.7	0.0	1.6	12,106	11,826	11,459	11,178	8.3	
Electrical equipment, appliances, and components.....	5,314	5,292	5,327	0.4	-0.7	-0.6	5,358	5,338	5,298	5,123	4.6	
Transportation equipment.....	15,941	15,716	15,192	1.4	3.4	1.1	16,818	16,086	15,259	15,053	11.7	
Furniture and related products.....	2,425	2,384	2,403	1.7	-0.8	-1.0	2,480	2,456	2,503	2,488	-0.3	
Miscellaneous products.....	12,067	12,059	11,934	0.1	1.0	0.2	12,195	12,049	11,810	11,346	7.5	
Nondurable goods industries.....	110,921	111,053	110,243	-0.1	0.7	0.1	113,245	112,822	110,110	100,975	12.2	
Food products.....	26,695	26,593	26,727	0.4	-0.5	1.0	27,729	26,735	26,148	25,262	9.8	
Beverage and tobacco products.....	6,521	6,617	6,564	-1.5	0.8	0.1	6,743	6,760	6,547	6,597	2.2	
Textiles.....	1,520	1,492	1,450	1.9	2.9	3.1	1,485	1,468	1,453	1,199	23.9	
Textile products.....	1,171	1,161	1,152	0.9	0.8	-0.3	1,182	1,162	1,169	1,079	9.5	
Apparel.....	1,297	1,287	1,245	0.8	3.4	-0.7	1,402	1,376	1,281	1,259	11.4	
Leather and allied products.....	494	492	487	0.4	1.0	-0.8	510	509	492	423	20.6	
Paper products.....	6,078	6,043	6,014	0.6	0.5	-0.2	6,040	6,043	5,936	5,938	1.7	
Printing.....	1,624	1,631	1,631	-0.4	0.0	1.4	1,639	1,664	1,666	1,586	3.3	
Petroleum and coal products.....	19,289	19,890	19,575	-3.0	1.6	-2.4	20,174	20,978	20,089	15,807	27.6	
Chemical products.....	35,912	35,676	35,249	0.7	1.2	0.0	36,163	36,020	35,159	32,534	11.2	
Plastics and rubber products.....	10,320	10,171	10,149	1.5	0.2	2.7	10,178	10,107	10,170	9,291	9.5	

^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 2011 ^P	Jul 2011 ^F	Jun 2011	May 2011	Aug 2011 ^P	Jul 2011 ^F	Jun 2011	May 2011
	All manufacturing industries ²	1.34	1.33	1.33	1.34	(X)	(X)	(X)
Durable goods industries ²	1.82	1.80	1.82	1.82	6.08	6.06	6.05	6.11
Wood products.....	1.61	1.58	1.61	1.64	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.39	1.38	1.38	1.38	(X)	(X)	(X)	(X)
Primary metals.....	1.44	1.41	1.41	1.46	1.31	1.30	1.32	1.41
Fabricated metal products.....	1.84	1.84	1.81	1.82	2.68	2.68	2.62	2.61
Machinery.....	1.89	1.97	1.96	2.02	4.29	4.40	4.24	4.31
Computers and electronic products ²	1.56	1.57	1.58	1.56	5.67	5.66	5.65	5.63
Electrical equipment, appliances, and components.....	1.53	1.57	1.53	1.53	2.79	2.86	2.78	2.76
Transportation equipment.....	2.38	2.25	2.37	2.35	15.75	15.39	16.00	15.90
Furniture and related products.....	1.23	1.26	1.23	1.22	1.43	1.51	1.48	1.47
Miscellaneous products.....	1.67	1.66	1.67	1.68	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.95	0.95	0.95	0.95	(X)	(X)	(X)	(X)
Food products.....	0.73	0.73	0.73	0.73	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.33	1.37	1.30	1.35	(X)	(X)	(X)	(X)
Textiles.....	1.41	1.39	1.37	1.34	(X)	(X)	(X)	(X)
Textile products.....	1.66	1.66	1.62	1.63	(X)	(X)	(X)	(X)
Apparel.....	1.90	1.95	1.92	1.94	(X)	(X)	(X)	(X)
Leather and allied products.....	2.89	2.82	2.78	2.69	(X)	(X)	(X)	(X)
Paper products.....	0.98	0.97	0.97	0.97	(X)	(X)	(X)	(X)
Printing.....	0.78	0.81	0.79	0.78	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.72	0.73	0.76	0.77	(X)	(X)	(X)	(X)
Chemical products.....	1.19	1.18	1.17	1.17	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.30	1.29	1.29	1.28	(X)	(X)	(X)	(X)

X Not Applicable ^P Preliminary ^F 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 2011	Aug ² 2010- Jul 2011	Aug ¹ 2011	Aug ² 2010- Jul 2011	Aug ¹ 2011	Aug ² 2010- Jul 2011	Aug ¹ 2011	Aug ² 2010- Jul 2011
	All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.1	(X)
Durable goods industries.....	0.1	0.4	0.0	0.8	0.0	0.1	0.0	0.2
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Primary metals.....	0.0	0.9	0.5	2.3	0.5	1.2	-0.1	0.5
Fabricated metal products.....	0.0	0.3	0.0	0.8	0.1	0.2	0.1	0.3
Machinery.....	0.1	0.9	-0.1	1.9	0.0	0.4	0.0	0.2
Computers and electronic products.....	0.0	0.7	-0.7	1.0	-0.1	0.2	0.0	0.2
Electrical equipment, appliances, and components.....	0.0	0.8	0.1	0.9	0.0	0.3	0.0	0.2
Transportation equipment.....	0.0	0.7	0.2	1.4	0.0	0.1	0.0	0.2
Furniture and related products.....	(X)	0.5	(X)	1.0	(X)	0.5	(X)	0.4
Miscellaneous products.....	(X)	0.3	(X)	0.3	(X)	0.1	(X)	0.2
Nondurable goods industries.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.4
Beverage and tobacco products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.7
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.5
Apparel.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.5
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.7
Petroleum and coal products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	1.2
Chemical products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6

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 65 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 will be published in the full report. Corrections received after the full report will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication.

Additional survey documentation can be found on our web site: <http://www.census.gov/m3>.