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

Summary. New orders for manufactured goods in June, down two of the last three months, decreased \$3.8 billion or 0.8 percent to \$440.7 billion, the U.S. Census Bureau reported today. This followed a 0.6 percent May increase. Excluding transportation, new orders increased 0.1 percent. Shipments, up following two consecutive monthly decreases, increased \$1.0 billion or 0.2 percent to \$444.3 billion. This followed a slight May decrease. Unfilled orders, up fourteen of the last fifteen months, increased \$2.5 billion or 0.3 percent to \$863.2 billion. This followed a 0.9 percent May increase. The unfilled orders-to-shipments ratio was 6.08, down from 6.11 in May. Inventories, up twenty of the last twenty one months, increased \$1.4 billion or 0.2 percent to \$594.4 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.8 percent May increase. The inventories-to-shipments ratio was 1.34, unchanged from May.

New Orders. New orders for manufactured durable goods in June, down two of the last three months, decreased \$3.8 billion or 1.9 percent to \$192.4 billion, revised from the previously published 2.1 percent decrease. This followed a 2.0 percent May increase. Transportation equipment, also down two of the last three months, had the largest decrease, \$4.3 billion or 8.6 percent to \$45.3 billion. New orders for manufactured nondurable goods increased slightly to \$248.2 billion.

Shipments. Shipments of manufactured durable goods in June, up six of the last seven months, increased \$1.0 billion or 0.5 percent to \$196.1 billion, unchanged from the previously published increase. This followed a 0.5 percent May increase. Machinery, up four of the last five months, had the largest increase, \$0.8 billion or 2.8 percent to \$29.1 billion. Shipments of manufactured nondurable goods, up eleven of the last twelve months, increased slightly to \$248.2 billion. This followed a 0.5 percent May decrease. Beverage and tobacco products, up four of the last five months, drove the increase, up \$0.5 billion or 3.9 percent to \$12.6 billion. This was at the highest level since the series was first published on NAICS basis.

Unfilled Orders. Unfilled orders for manufactured durable goods in June, up fourteen of the last fifteen months, increased \$2.5 billion or 0.3 percent to \$863.2 billion, revised from the previously published 0.2 percent increase. This followed a 0.9 percent May increase. Machinery, up seventeen consecutive months, had the largest increase, \$2.7 billion or 2.5 percent to \$112.3 billion.

Inventories. Inventories of manufactured durable goods in June, up eighteen consecutive months, increased \$1.8 billion or 0.5 percent to \$357.8 billion, revised from the previously published 0.4 percent increase. This was at the highest level since the series was first published on a NAICS basis and followed a 1.3 percent May increase. Transportation equipment, also up eighteen consecutive months, had the largest increase, \$1.2 billion or 1.1 percent to \$109.0 billion. Inventories of manufactured nondurable goods, down two consecutive months, decreased \$0.4 billion or 0.2 percent to \$236.5 billion. This followed a slight May decrease. Petroleum and coal products, also down two consecutive months, drove the decrease, down \$1.0 billion or 1.8 percent to \$52.8 billion. By stage of fabrication, June materials and supplies decreased slightly in durable goods and decreased 0.8 percent in nondurable goods. Work in process increased 1.0 percent in durable goods and 0.8 percent in nondurable goods. Finished goods increased 0.5 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 July is scheduled for release on August 24, 2011, at 8:30 a.m. EDT and the full report on August 31, 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			
	June 2011 ^P	May 2011 ^r	Apr. 2011	May - June	Apr. - May	Mar. - Apr.	June 2011 ^P	May 2011 ^r	Apr. 2011	June 2010	2011 ^P	2010	Percent 2011/2010
All manufacturing industries.....	444,329	443,344	443,493	0.2	0.0	-0.4	471,651	454,596	444,993	420,136	2,632,252	2,359,289	11.6
Excluding transportation.....	398,556	397,378	397,229	0.3	0.0	0.0	420,653	409,132	400,995	371,027	2,355,342	2,093,644	12.5
Excluding defense.....	434,287	433,273	433,320	0.2	0.0	-0.3	460,554	444,712	435,415	407,612	2,571,460	2,285,099	12.5
With unfilled orders.....	141,961	140,840	139,538	0.8	0.9	-2.0	154,947	142,406	136,626	145,035	838,595	778,842	7.7
Durable goods industries.....	196,082	195,099	194,103	0.5	0.5	-1.4	212,451	196,112	192,404	197,621	1,162,315	1,080,280	7.6
Wood products.....	5,218	5,254	5,332	-0.7	-1.5	-0.4	5,825	5,678	5,556	6,129	31,407	33,526	-6.3
Nonmetallic mineral products.....	7,841	7,794	7,702	0.6	1.2	-1.2	8,736	8,249	7,792	8,632	45,843	44,770	2.4
Primary metals.....	23,762	23,149	22,569	2.6	2.6	0.2	25,655	24,487	23,388	19,827	138,859	109,249	27.1
Iron and steel mills.....	11,202	11,142	11,188	0.5	-0.4	-1.0	12,231	11,964	11,585	10,541	69,105	56,558	22.2
Aluminum and nonferrous metals.....	10,928	10,394	9,805	5.1	6.0	1.6	11,610	10,813	10,196	7,783	60,055	44,642	34.5
Ferrous metal foundries.....	1,632	1,613	1,576	1.2	2.3	0.4	1,814	1,710	1,607	1,503	9,699	8,049	20.5
Fabricated metal products.....	25,010	24,794	24,616	0.9	0.7	-1.4	26,663	25,500	24,436	25,201	146,945	139,167	5.6
Machinery.....	29,132	28,327	27,700	2.8	2.3	-5.2	31,615	29,078	28,211	29,119	171,656	155,560	10.3
Farm machinery.....	2,421	2,278	2,236	6.3	1.9	-6.0	2,437	2,494	2,908	2,112	15,033	13,943	7.8
Construction machinery.....	3,617	3,549	3,527	1.9	0.6	0.4	3,789	3,699	3,532	3,009	21,254	15,396	38.0
Mining, oil field, and gas field machinery.....	1,690	1,731	1,643	-2.4	5.4	6.1	1,801	1,667	1,527	1,656	9,608	9,519	0.9
Industrial machinery.....	3,152	3,117	2,874	1.1	8.5	-13.9	3,678	3,145	2,786	2,968	18,752	16,057	16.8
Photographic equipment.....	628	661	664	-5.0	-0.5	-6.2	649	626	602	757	3,903	4,002	-2.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,641	2,631	2,646	0.4	-0.6	0.5	3,455	2,763	2,482	3,648	15,677	16,425	-4.6
Metalworking machinery.....	1,823	1,895	1,861	-3.8	1.8	0.9	2,009	1,863	1,728	2,130	10,783	10,895	-1.0
Turbines, generators, and other power transmission equipment.....	4,258	3,500	3,382	21.7	3.5	-20.6	4,382	3,623	3,403	4,057	22,164	18,838	17.7
Material handling equipment.....	2,571	2,561	2,474	0.4	3.5	2.8	2,715	2,573	2,352	2,195	14,737	12,634	16.6
Computers and electronic products ²	30,296	30,840	31,094	-1.8	-0.8	4.4	31,873	28,665	30,834	30,340	178,798	172,310	3.8
Computers.....	3,931	3,964	4,154	-0.8	-4.6	3.5	4,170	3,527	4,292	4,033	22,766	19,813	14.9
Computer storage devices.....	692	713	697	-2.9	2.3	2.5	1,048	521	463	902	3,982	3,523	13.0
Other peripheral equipment.....	974	931	875	4.6	6.4	-6.6	1,340	823	669	1,110	5,133	4,677	9.7
Nondefense communications equipment.....	2,568	2,633	2,763	-2.5	-4.7	4.7	2,996	2,499	2,366	3,858	15,620	18,726	-16.6
Defense communications equipment.....	511	484	480	5.6	0.8	-2.4	517	479	480	535	2,930	3,271	-10.4
Audio and video equipment.....	239	248	252	-3.6	-1.6	-7.7	208	213	181	248	1,322	1,321	0.1
Electronic components.....	3,294	3,432	3,432	-4.0	0.0	1.1	3,583	3,362	3,093	3,743	19,907	19,961	-0.3
Nondefense search and navigation equipment.....	1,199	1,238	1,150	-3.2	7.7	-5.7	1,356	1,260	995	1,202	7,056	6,388	10.5
Defense search and navigation equipment.....	2,715	2,762	2,740	-1.7	0.8	-1.0	2,892	2,822	2,599	3,138	16,278	18,571	-12.3
Electromedical, measuring, and control instruments.....	7,584	7,509	7,397	1.0	1.5	0.1	8,314	7,083	6,724	7,732	43,752	40,813	7.2
Electrical equipment, appliances, and components.....	10,176	10,149	9,985	0.3	1.6	-2.5	10,977	10,183	9,828	10,413	59,859	55,826	7.2
Electric lighting equipment.....	1,018	999	1,005	1.9	-0.6	1.3	1,046	987	969	1,001	5,913	5,738	3.0
Household appliances.....	1,554	1,570	1,574	-1.0	-0.3	-2.4	1,708	1,636	1,654	1,745	9,453	9,598	-1.5
Electrical equipment.....	3,733	3,705	3,601	0.8	2.9	-5.2	4,243	3,736	3,399	4,028	22,046	20,125	9.5
Batteries.....	882	897	898	-1.7	-0.1	1.2	883	821	815	837	4,794	4,567	5.0
Transportation equipment.....	45,773	45,966	46,264	-0.4	-0.6	-3.7	50,998	45,464	43,998	49,109	276,910	265,645	4.2
Automobiles.....	5,109	5,111	5,134	0.0	-0.4	-7.9	5,575	5,023	4,812	5,392	30,619	29,188	4.9
Light trucks and utility vehicles.....	7,660	7,607	7,895	0.7	-3.6	-5.5	8,519	7,343	7,200	7,247	47,268	38,804	21.8
Heavy duty trucks.....	1,892	1,972	1,817	-4.1	8.5	12.7	2,007	1,829	1,736	1,629	10,236	9,315	9.9
Motor vehicle bodies, parts, and trailers.....	13,847	14,251	14,052	-2.8	1.4	-6.2	14,845	14,719	14,122	14,807	86,490	80,407	7.6
Nondefense aircraft and parts.....	6,966	6,720	6,820	3.7	-1.5	-2.0	8,490	6,398	6,131	7,701	40,593	37,593	8.0
Defense aircraft and parts.....	4,241	4,241	4,195	0.0	1.1	-4.9	4,968	3,956	3,833	5,484	24,996	30,408	-17.8
Ships and boats.....	2,288	2,220	2,275	3.1	-2.4	-3.1	2,445	2,385	2,304	2,404	14,045	14,428	-2.7
Furniture and related products.....	5,532	5,565	5,556	-0.6	0.2	-1.1	5,756	5,598	5,412	5,468	32,799	30,279	8.3
Miscellaneous durable goods.....	13,342	13,261	13,285	0.6	-0.2	-0.3	14,353	13,210	12,949	13,383	79,239	73,948	7.2
Nondurable goods industries.....	248,247	248,245	249,390	0.0	-0.5	0.4	259,200	258,484	252,589	222,515	1,469,937	1,279,009	14.9
Food products.....	61,072	60,992	61,096	0.1	-0.2	2.0	61,257	60,447	59,378	55,048	356,034	322,111	10.5
Grain and oilseed milling.....	8,272	8,336	8,413	-0.8	-0.9	5.4	7,992	7,777	7,832	6,536	47,852	41,278	15.9
Dairy products.....	9,302	9,102	9,329	2.2	-2.4	2.5	9,448	9,150	9,113	8,197	53,390	46,941	13.7
Meat, poultry, and seafood products.....	17,286	17,117	17,203	1.0	-0.5	0.1	17,830	17,252	17,116	16,490	101,584	94,696	7.3
Beverage and tobacco products.....	12,591	12,121	11,971	3.9	1.3	-1.1	13,337	12,953	11,916	11,528	70,978	61,984	14.5
Beverages.....	9,657	9,492	9,435	1.7	0.6	0.1	10,403	10,324	9,380	8,660	55,636	46,806	18.9
Tobacco.....	2,934	2,629	2,536	11.6	3.7	-5.3	2,934	2,629	2,536	2,868	15,342	15,178	1.1
Textile mills.....	2,628	2,647	2,598	-0.7	1.9	-1.2	2,793	2,704	2,655	2,647	15,879	14,913	6.5
Textile products.....	1,844	1,832	1,833	0.7	-0.1	-2.5	1,973	1,917	1,932	1,919	11,137	11,013	1.1
Apparel.....	1,293	1,264	1,276	2.3	-0.9	0.4	1,290	1,199	1,184	1,217	7,224	6,937	4.1
Leather and allied products.....	322	330	324	-2.4	1.9	2.2	345	309	308	332	1,875	1,851	1.3
Paper products.....	14,366	14,332	14,472	0.2	-1.0	-1.0	14,868	14,401	14,162	14,824	86,186	83,965	2.6
Pulp, paper, and paperboard mills.....	6,755	6,662	6,688	1.4	-0.4	-1.0	6,948	6,638	6,557	6,889	40,094	39,031	2.7
Paperboard containers.....	4,297	4,327	4,417	-0.7	-2.0	-1.3	4,464	4,369	4,338	4,474	26,094	24,887	4.8
Printing.....	6,981	7,058	7,039	-1.1	0.3	-1.9	6,901	7,026	7,010	7,018	41,316	41,167	0.4
Petroleum and coal products.....	68,418	69,519	71,622	-1.6	-2.9	-0.2	73,313	75,711	74,646	52,764	411,528	305,564	34.7
Petroleum refineries.....	64,156	65,575	67,769	-2.2	-3.2	-0.4	68,182	71,420	70,947	48,888	389,394	287,102	35.6
Chemical products.....	62,688	62,303	61,295	0.6	1.6	0.6	65,708	65,249	63,338	58,806	372,265	338,499	10.0
Pesticides, fertilizers, and other agricultural chemicals.....	5,503	5,160	4,551	6.6	13.4	-4.3	6,055	6,935	6,630	4,286	35,960	27,827	29.2
Pharmaceuticals and medicines.....	15,951	15,775	15,767	1.1	0.1	-1.4	16,397	15,732	15,327	16,323	92,943	92,859	0.1
Paints, coatings, and adhesives.....	2,435	2,452	2,409	-0.7	1.8	-2.0	2,767	2,709	2,574	2,864	14,976	15,244	-1.8
Plastics and rubber products.....	16,044	15,847	15,864	1.2	-0.1	-0.6	17,415	16,568	16,060	16,412	95,515	91,005	5.0

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

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

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

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly			Year to date			
	June 2011 ^P	May 2011 ^r	Apr. 2011	May - June	Apr. - May	Mar. - Apr.	June 2011 ^P	May 2011 ^r	Apr. 2011	June 2010	2011 ^P	2010	Percent 2011/2010
All manufacturing industries ²	440,694	444,454	441,740	-0.8	0.6	-0.9	465,090	453,509	439,001	413,564	2,630,790	2,339,331	12.5
Excluding transportation ²	395,355	394,838	394,822	0.1	0.0	0.2	416,082	406,210	397,130	368,541	2,345,754	2,080,478	12.8
Excluding defense ²	429,754	432,753	430,961	-0.7	0.4	-0.9	453,189	443,758	430,028	401,704	2,562,104	2,264,461	13.1
With unfilled orders ²	144,450	148,424	144,500	-2.7	2.7	-2.6	153,363	146,995	139,215	141,839	874,836	791,766	10.5
Durable goods industries ²	192,447	196,209	192,350	-1.9	2.0	-2.5	205,890	195,025	186,412	191,049	1,160,853	1,060,322	9.5
Primary metals.....	22,698	22,686	22,637	0.1	0.2	1.5	24,044	23,979	23,038	18,710	139,094	113,209	22.9
Iron and steel mills.....	9,671	10,489	10,845	-7.8	-3.3	-0.6	10,363	11,522	10,922	9,635	67,651	59,758	13.2
Aluminum and nonferrous metals.....	11,365	10,524	10,142	8.0	3.8	4.5	11,893	10,699	10,434	7,607	61,284	45,154	35.7
Ferrous metal foundries.....	1,662	1,673	1,650	-0.7	1.4	-2.5	1,788	1,758	1,682	1,468	10,159	8,297	22.4
Fabricated metal products.....	25,602	24,872	24,662	2.9	0.9	-1.9	26,504	25,743	24,850	24,277	151,899	142,123	6.9
Machinery.....	31,851	32,455	31,665	-1.9	2.5	0.9	33,461	32,757	32,848	31,558	189,926	163,681	16.0
Construction machinery.....	3,964	3,749	3,838	5.7	-2.3	2.1	3,863	3,772	3,934	2,706	22,954	15,746	45.8
Mining, oil field, and gas field machinery.....	2,272	2,839	2,289	-20.0	24.0	11.6	2,276	3,069	2,027	3,609	13,216	11,127	18.8
Industrial machinery.....	3,352	3,349	3,726	0.1	-10.1	0.0	3,622	3,068	3,959	3,129	20,072	16,911	18.7
Photographic equipment.....	628	709	642	-11.4	10.4	-2.1	637	680	586	769	3,962	4,093	-3.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,828	3,284	3,487	-13.9	-5.8	15.8	3,623	3,396	3,725	4,087	19,789	18,613	6.3
Metalworking machinery.....	2,038	1,990	1,954	2.4	1.8	2.3	2,205	1,892	1,861	2,063	11,892	10,820	9.9
Turbines, generators, and other power transmission equipment.....	5,545	4,572	3,816	21.3	19.8	-18.1	5,651	4,601	3,758	3,994	25,398	19,625	29.4
Material handling equipment.....	2,397	2,620	2,894	-8.5	-9.5	12.7	2,498	2,593	2,785	2,216	15,480	13,169	17.5
Computers and electronic products ²	24,592	24,399	24,299	0.8	0.4	2.0	27,117	21,857	21,793	27,000	141,780	139,357	1.7
Computers.....	4,061	4,129	4,087	-1.6	1.0	-0.3	4,300	3,692	4,225	4,223	22,755	19,990	13.8
Nondefense communications equipment.....	3,063	2,536	2,353	20.8	7.8	-7.3	3,216	2,070	2,072	3,428	14,755	17,234	-14.4
Defense communications equipment.....	471	456	404	3.3	12.9	42.3	555	302	328	444	2,690	3,622	-25.7
Electronic components.....	3,230	3,425	3,607	-5.7	-5.0	6.2	3,498	3,289	3,357	3,767	19,994	20,922	-4.4
Nondefense search and navigation equipment.....	1,300	1,261	1,332	3.1	-5.3	43.4	1,477	1,234	1,199	1,137	7,391	6,229	18.7
Defense search and navigation equipment.....	2,820	2,812	2,493	0.3	12.8	4.3	2,983	2,451	2,053	3,276	16,415	18,337	-10.5
Electromedical, measuring, and control instruments.....	7,277	7,436	7,760	-2.1	-4.2	-1.9	8,020	6,862	6,855	8,002	44,994	41,138	9.4
Electrical equipment, appliances, and components.....	10,492	10,401	10,114	0.9	2.8	-5.2	11,204	10,434	9,851	10,964	62,574	58,914	6.2
Electric lighting equipment.....	1,002	1,005	975	-0.3	3.1	-0.9	1,099	1,004	970	1,062	6,024	5,890	2.3
Household appliances.....	1,601	1,548	1,456	3.4	6.3	-15.7	1,640	1,618	1,502	1,637	9,502	9,675	-1.8
Electrical equipment.....	3,828	3,816	3,745	0.3	1.9	-8.5	4,338	3,881	3,658	4,320	23,602	21,639	9.1
Transportation equipment.....	45,339	49,616	46,918	-8.6	5.8	-9.3	49,008	47,299	41,871	45,023	285,036	258,853	10.1
Motor vehicle bodies, parts, and trailers.....	13,862	14,245	14,018	-2.7	1.6	-6.2	14,582	14,552	14,083	14,410	86,071	79,512	8.2
Nondefense aircraft and parts.....	6,835	9,611	7,314	-28.9	31.4	-29.0	7,207	8,794	4,650	5,636	46,079	35,942	28.2
Defense aircraft and parts.....	4,092	5,145	4,539	-20.5	13.4	0.9	4,745	4,421	3,570	5,598	27,750	31,149	-10.9
Ships and boats.....	2,632	2,462	2,566	6.9	-4.1	-16.0	2,708	2,374	2,535	1,696	17,135	12,489	37.2
Furniture and related products.....	5,494	5,477	5,749	0.3	-4.7	-1.8	5,660	5,825	5,877	5,388	34,150	31,483	8.5
Nondurable goods industries.....	248,247	248,245	249,390	0.0	-0.5	0.4	259,200	258,484	252,589	222,515	1,469,937	1,279,009	14.9

^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 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 June 11/10
	June 2011 ^p	May 2011 ^r	Apr. 2011	May - June	Apr. - May	Mar. - Apr.	June 2011 ^p	May 2011 ^r	Apr. 2011	June 2010	
All manufacturing industries ²	863,237	860,748	853,164	0.3	0.9	0.6	865,699	867,283	862,694	811,597	6.7
Excluding transportation ²	366,244	363,321	359,387	0.8	1.1	1.2	368,313	367,907	365,153	324,475	13.5
Excluding defense ²	693,790	692,199	686,245	0.2	0.9	0.6	694,401	696,789	692,067	646,954	7.3
Durable goods industries ²	863,237	860,748	853,164	0.3	0.9	0.6	865,699	867,283	862,694	811,597	6.7
Primary metals.....	31,643	32,707	33,170	-3.3	-1.4	0.2	31,896	33,507	34,015	27,661	15.3
Iron and steel mills.....	17,707	19,238	19,891	-8.0	-3.3	-1.7	18,068	19,936	20,378	16,549	9.2
Aluminum and nonferrous metals.....	10,586	10,149	10,019	4.3	1.3	3.5	10,489	10,206	10,320	8,370	25.3
Ferrous metal foundries.....	3,350	3,320	3,260	0.9	1.8	2.3	3,339	3,365	3,317	2,742	21.8
Fabricated metal products.....	63,358	62,766	62,688	0.9	0.1	0.1	64,242	64,401	64,158	61,611	4.3
Machinery.....	112,310	109,591	105,463	2.5	3.9	3.9	112,548	110,702	107,023	84,403	33.3
Construction machinery.....	9,699	9,352	9,152	3.7	2.2	3.5	9,648	9,574	9,501	6,439	49.8
Mining, oil field, and gas field machinery.....	12,258	11,676	10,568	5.0	10.5	6.5	12,294	11,819	10,417	8,227	49.4
Industrial machinery.....	15,405	15,205	14,973	1.3	1.5	6.0	15,208	15,264	15,341	11,649	30.6
Photographic equipment.....	1,932	1,932	1,884	0.0	2.5	-1.2	1,938	1,950	1,896	2,312	-16.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	20,815	20,628	19,975	0.9	3.3	4.4	21,192	21,024	20,391	15,786	34.2
Metalworking machinery.....	5,348	5,133	5,038	4.2	1.9	1.9	5,377	5,181	5,152	4,040	33.1
Turbines, generators, and other power transmission equipment.....	17,948	16,661	15,589	7.7	6.9	2.9	17,919	16,650	15,672	11,542	55.3
Material handling equipment.....	8,225	8,399	8,340	-2.1	0.7	5.3	8,306	8,523	8,503	6,916	20.1
Computers and electronic products ²	124,495	124,075	124,042	0.3	0.0	-0.1	124,556	124,335	125,467	120,570	3.3
Computers.....	3,643	3,513	3,348	3.7	4.9	-2.0	3,643	3,513	3,348	3,721	-2.1
Nondefense communications equipment.....	22,740	22,245	22,342	2.2	-0.4	-1.8	22,379	22,159	22,588	21,918	2.1
Defense communications equipment.....	5,992	6,032	6,060	-0.7	-0.5	-1.2	6,107	6,069	6,246	6,512	-6.2
Electronic components.....	11,526	11,590	11,597	-0.6	-0.1	1.5	11,518	11,603	11,676	11,555	-0.3
Nondefense search and navigation equipment.....	8,859	8,758	8,735	1.2	0.3	2.1	8,860	8,739	8,765	8,835	0.3
Defense search and navigation equipment.....	43,956	43,851	43,801	0.2	0.1	-0.6	44,167	44,076	44,447	42,283	4.5
Electromedical, measuring, and control instruments.....	27,779	28,086	28,159	-1.1	-0.3	1.3	27,882	28,176	28,397	25,746	8.3
Electrical equipment, appliances, and components.....	25,824	25,508	25,256	1.2	1.0	0.5	25,967	25,740	25,489	21,719	19.6
Electric lighting equipment.....	1,056	1,072	1,066	-1.5	0.6	-2.7	1,128	1,075	1,058	1,118	0.9
Household appliances.....	838	791	813	5.9	-2.7	-12.7	753	821	839	621	21.3
Electrical equipment.....	14,474	14,379	14,268	0.7	0.8	1.0	14,593	14,498	14,353	12,228	19.3
Transportation equipment.....	496,993	497,427	493,777	-0.1	0.7	0.1	497,386	499,376	497,541	487,122	2.1
Motor vehicle bodies, parts, and trailers.....	13,518	13,503	13,509	0.1	0.0	-0.3	13,377	13,640	13,807	13,005	2.9
Nondefense aircraft and parts.....	343,757	343,888	340,997	0.0	0.8	0.1	342,902	344,185	341,789	329,428	4.1
Defense aircraft and parts.....	54,327	54,476	53,572	-0.3	1.7	0.6	54,859	55,082	54,617	51,812	5.9
Ships and boats.....	19,379	19,035	18,793	1.8	1.3	1.6	20,026	19,763	19,774	20,992	-4.6
Furniture and related products.....	7,091	7,129	7,217	-0.5	-1.2	2.7	7,581	7,677	7,450	6,967	8.8

^p Preliminary ^r Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non- calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading- day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.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 June 11/10
	June 2011 ^P	May 2011 ^F	Apr. 2011	May - June	Apr. - May	Mar. - Apr.	June 2011 ^P	May 2011 ^F	Apr. 2011	June 2010	
All manufacturing industries.....	594,365	592,935	588,509	0.2	0.8	1.5	592,880	599,541	591,694	524,831	13.0
Excluding transportation.....	485,346	485,105	482,528	0.0	0.5	1.6	484,179	490,186	484,480	432,457	12.0
Excluding defense.....	568,598	566,787	562,793	0.3	0.7	1.6	567,167	573,360	565,841	499,772	13.5
With unfilled orders.....	294,082	291,894	287,738	0.7	1.4	1.4	293,371	295,254	289,736	257,804	13.8
Durable goods industries.....	357,828	355,983	351,488	0.5	1.3	1.2	356,873	360,108	353,679	317,157	12.5
Wood products.....	8,472	8,615	8,633	-1.7	-0.2	0.2	8,316	8,473	8,501	8,356	-0.5
Nonmetallic mineral products.....	10,869	10,771	10,662	0.9	1.0	1.1	10,916	10,996	10,929	10,303	5.9
Primary metals.....	33,936	33,777	33,333	0.5	1.3	2.3	34,350	34,430	33,595	29,346	17.1
Iron and steel mills.....	21,050	20,831	20,586	1.1	1.2	2.8	21,448	21,361	20,739	18,123	18.3
Aluminum and nonferrous metals.....	10,922	10,970	10,785	-0.4	1.7	1.3	10,948	11,066	10,856	9,431	16.1
Ferrous metal foundries.....	1,964	1,976	1,962	-0.6	0.7	1.9	1,954	2,003	2,000	1,792	9.0
Fabricated metal products.....	45,174	45,047	44,160	0.3	2.0	1.7	45,283	45,385	44,423	40,769	11.1
Machinery.....	57,659	57,249	56,358	0.7	1.6	1.4	57,315	57,924	56,750	50,108	14.4
Farm machinery.....	3,232	3,200	3,161	1.0	1.2	2.0	3,290	3,290	3,253	2,666	23.4
Construction machinery.....	5,431	5,231	5,070	3.8	4.2	0.3	5,449	5,275	5,165	4,523	28.1
Mining, oil field, and gas field machinery.....	7,068	7,029	6,903	0.6	1.8	2.2	7,150	7,209	6,958	5,964	19.9
Industrial machinery.....	6,552	6,511	6,498	0.6	0.2	0.7	6,606	6,671	6,492	6,103	8.2
Photographic equipment.....	1,548	1,541	1,526	0.5	1.0	-1.2	1,558	1,523	1,491	1,458	6.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,238	4,278	4,211	-0.9	1.6	1.0	4,246	4,513	4,422	4,021	5.6
Metalworking machinery.....	4,616	4,540	4,430	1.7	2.5	3.3	4,608	4,596	4,475	3,999	15.2
Turbines, generators, and other power transmission equipment.....	7,341	7,297	7,105	0.6	2.7	2.7	7,021	7,249	7,029	5,592	25.6
Material handling equipment.....	3,509	3,473	3,415	1.0	1.7	1.5	3,506	3,487	3,413	3,188	10.0
Computers and electronic products ²	48,184	48,131	47,968	0.1	0.3	1.4	47,442	48,565	47,748	44,341	7.0
Computers.....	2,992	3,038	3,144	-1.5	-3.4	15.9	2,935	3,156	2,954	3,344	-12.2
Computer storage devices.....	1,229	1,253	1,267	-1.9	-1.1	-2.1	1,174	1,343	1,320	1,218	-3.6
Other peripheral equipment.....	1,407	1,412	1,405	-0.4	0.5	-0.9	1,396	1,459	1,435	1,410	-1.0
Nondefense communications equipment.....	7,308	7,108	7,010	2.8	1.4	0.3	7,017	7,113	6,974	6,318	11.1
Defense communications equipment.....	2,664	2,639	2,627	0.9	0.5	1.2	2,664	2,639	2,627	2,380	11.9
Audio and video equipment.....	518	527	530	-1.7	-0.6	2.9	490	502	484	495	-1.0
Electronic components.....	7,189	7,178	7,247	0.2	-1.0	-0.1	7,014	7,202	7,321	6,462	8.5
Nondefense search and navigation equipment.....	3,184	3,219	3,278	-1.1	-1.8	1.5	3,150	3,233	3,298	3,005	4.8
Defense search and navigation equipment.....	2,789	2,910	2,831	-4.2	2.8	-1.4	2,764	2,960	2,876	2,850	-3.0
Electromedical, measuring and control instruments.....	13,018	12,837	12,631	1.4	1.6	1.8	12,786	12,946	12,633	11,441	11.8
Electrical equipment, appliances, and components.....	15,452	15,489	15,400	-0.2	0.6	1.0	15,464	15,710	15,559	14,293	8.2
Electric lighting equipment.....	1,745	1,730	1,699	0.9	1.8	2.1	1,770	1,776	1,728	1,618	9.4
Household appliances.....	2,214	2,226	2,233	-0.5	-0.3	-1.1	2,208	2,233	2,236	1,958	12.8
Electrical equipment.....	4,999	5,017	4,959	-0.4	1.2	3.3	4,914	5,028	4,961	4,644	5.8
Batteries.....	1,006	1,037	1,053	-3.0	-1.5	-3.1	1,020	1,071	1,078	1,048	-2.7
Transportation equipment.....	109,019	107,830	105,981	1.1	1.7	0.8	108,701	109,355	107,214	92,374	17.7
Automobiles.....	2,851	2,901	2,885	-1.7	0.6	0.7	2,744	3,056	2,901	2,498	9.8
Light trucks and utility vehicles.....	2,880	2,855	2,782	0.9	2.6	-1.8	2,876	2,994	2,866	2,340	23.0
Heavy duty trucks.....	1,492	1,566	1,538	-4.7	1.8	4.2	1,473	1,599	1,492	1,380	6.7
Motor vehicle bodies, parts, and trailers.....	17,715	17,569	17,396	0.8	1.0	0.8	17,509	17,691	17,650	15,817	10.7
Nondefense aircraft and parts.....	59,212	57,838	56,600	2.4	2.2	2.1	59,328	58,866	57,388	45,519	30.3
Defense aircraft and parts.....	14,253	14,599	14,289	-2.4	2.4	-0.8	14,305	14,280	13,974	13,974	2.4
Ships and boats.....	3,354	3,316	3,356	1.1	-1.2	-1.8	3,338	3,250	3,411	3,109	7.4
Furniture and related products.....	6,783	6,764	6,746	0.3	0.3	0.1	6,931	6,846	6,713	6,495	6.7
Miscellaneous durable goods.....	22,280	22,310	22,247	-0.1	0.3	0.4	22,155	22,424	22,247	20,772	6.7
Nondurable goods industries.....	236,537	236,952	237,021	-0.2	0.0	1.8	236,007	239,433	238,015	207,674	13.6
Food products.....	44,883	44,574	44,158	0.7	0.9	0.5	43,399	43,283	43,187	39,698	9.3
Grain and oilseed milling.....	5,466	5,639	5,700	-3.1	-1.1	0.0	5,308	5,383	5,570	4,739	12.0
Dairy products.....	5,856	5,739	5,603	2.0	2.4	-1.2	6,089	5,970	5,784	5,547	9.8
Meat, poultry, and seafood products.....	8,655	8,554	8,478	1.2	0.9	-0.1	8,348	8,408	8,426	7,683	8.7
Beverage and tobacco products.....	16,412	16,383	16,421	0.2	-0.2	0.1	15,962	16,228	16,532	15,874	0.6
Beverages.....	12,958	12,943	12,961	0.1	-0.1	0.4	12,652	12,862	13,042	12,393	2.1
Tobacco.....	3,454	3,440	3,460	0.4	-0.6	-0.8	3,310	3,366	3,490	3,481	-4.9
Textile mills.....	3,579	3,541	3,467	1.1	2.1	2.3	3,602	3,586	3,502	3,020	19.3
Textile products.....	2,991	2,991	2,969	0.0	0.7	1.3	3,032	3,047	3,003	2,706	12.0
Apparel.....	2,433	2,455	2,415	-0.9	1.7	0.3	2,514	2,431	2,317	2,111	19.1
Leather and allied products.....	893	889	886	0.4	0.3	1.0	898	885	871	744	20.7
Paper products.....	13,886	13,925	13,944	-0.3	-0.1	-0.1	13,737	13,958	13,983	13,555	1.3
Pulp, paper, and paperboard mills.....	5,908	5,960	5,966	-0.9	-0.1	0.2	5,792	6,000	5,976	5,668	2.2
Paperboard containers.....	4,014	3,989	4,012	0.6	-0.6	-0.2	3,989	3,986	4,033	3,975	0.4
Printing.....	5,490	5,514	5,654	-0.4	-2.5	0.2	5,472	5,445	5,640	5,310	3.1
Petroleum and coal products.....	52,780	53,750	55,356	-1.8	-2.9	5.4	53,872	56,570	56,581	37,872	42.2
Petroleum refineries.....	49,505	50,434	52,098	-1.8	-3.2	5.5	50,500	53,150	53,273	34,850	44.9
Chemical products.....	72,725	72,651	71,653	0.1	1.4	1.2	73,063	73,503	72,091	67,636	8.0
Pesticides, fertilizers, and other agricultural chemicals.....	3,567	3,610	3,803	-1.2	-5.1	2.2	3,409	3,661	4,038	3,406	0.1
Pharmaceuticals and medicines.....	25,486	25,477	25,502	0.0	-0.1	1.6	25,887	25,771	25,547	25,423	1.8
Paints, coatings, and adhesives.....	3,123	3,125	3,159	-0.1	-1.1	1.1	3,187	3,189	3,233	2,948	8.1
Plastics and rubber products.....	20,465	20,279	20,098	0.9	0.9	1.0	20,456	20,497	20,308	19,148	6.8

^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						Percent Change ⁶ 2011/2010
	Monthly			Percent Change			Monthly				Year to date		
	June 2011 ^p	May 2011 ^r	Apr. 2011	May - June	Apr. - May	Mar. - Apr.	June 2011 ^p	May 2011 ^r	Apr. 2011	June 2010	2011 ^p	2010	
SHIPMENTS													
All manufacturing industries.....	444,329	443,344	443,493	0.2	0.0	-0.4	471,651	454,596	444,993	420,136	2,632,252	2,359,289	11.6
Construction materials and supplies.....	37,011	36,655	36,398	1.0	0.7	-1.0	41,605	38,694	36,362	40,259	216,233	211,489	2.2
Information technology.....	24,495	24,573	24,518	-0.3	0.2	0.3	27,059	23,256	22,753	26,780	142,744	139,267	2.5
Computers and related products.....	5,597	5,608	5,726	-0.2	-2.1	1.7	6,558	4,871	5,424	6,045	31,881	28,013	13.8
Motor vehicle and parts.....	28,508	28,941	28,898	-1.5	0.1	-5.3	30,946	28,914	27,870	29,075	174,613	157,714	10.7
Capital goods.....	75,568	74,869	74,095	0.9	1.0	-1.9	82,771	73,956	71,610	79,222	442,914	422,811	4.8
Nondefense capital goods ³	67,795	66,985	66,135	1.2	1.3	-1.4	74,480	66,096	63,982	69,370	395,083	362,457	9.0
Excluding aircraft.....	63,951	63,253	62,206	1.1	1.7	-1.5	69,703	62,436	60,465	64,693	372,505	340,492	9.4
Defense capital goods ⁴	7,773	7,884	7,960	-1.4	-1.0	-6.0	8,291	7,860	7,628	9,852	47,831	60,354	-20.7
Consumer goods.....	194,046	194,472	197,150	-0.2	-1.4	-0.3	202,072	200,476	197,109	172,162	1,152,123	990,344	16.3
Consumer durable goods.....	25,205	25,092	25,516	0.5	-1.7	-4.3	27,218	24,964	24,675	25,182	153,388	139,993	9.6
Consumer nondurable goods.....	168,841	169,380	171,634	-0.3	-1.3	0.3	174,854	175,512	172,434	146,980	998,735	850,351	17.4
NEW ORDERS													
All manufacturing industries ⁵	440,694	444,454	441,740	-0.8	0.6	-0.9	465,090	453,509	439,001	413,564	2,630,790	2,339,331	12.5
Construction materials and supplies.....	37,257	37,153	37,222	0.3	-0.2	0.5	41,349	39,378	37,930	40,361	222,526	215,006	3.5
Information technology.....	25,169	24,818	24,374	1.4	1.8	1.3	27,500	22,358	21,928	27,110	144,400	139,671	3.4
Computers and related products.....	5,727	5,773	5,659	-0.8	2.0	-1.0	6,688	5,036	5,357	6,235	31,870	28,190	13.1
Motor vehicle and parts.....	28,523	28,935	28,864	-1.4	0.2	-5.3	30,683	28,747	27,831	28,678	174,194	156,819	11.1
Capital goods.....	79,067	81,859	77,510	-3.4	5.6	-5.1	84,262	78,521	72,642	79,235	471,749	429,283	9.9
Nondefense capital goods ³	70,410	72,856	69,144	-3.4	5.4	-5.3	75,099	70,966	65,527	69,947	416,512	368,848	12.9
Excluding aircraft.....	66,783	66,540	65,319	0.4	1.9	-0.4	71,385	65,102	63,843	66,877	389,583	347,835	12.0
Defense capital goods ⁴	8,657	9,003	8,366	-3.8	7.6	-3.6	9,163	7,555	7,115	9,288	55,237	60,435	-8.6
Consumer goods.....	194,015	194,350	197,101	-0.2	-1.4	-0.4	201,764	200,292	197,085	171,780	1,152,178	991,010	16.3
Consumer durable goods.....	25,174	24,970	25,467	0.8	-2.0	-5.1	26,910	24,780	24,651	24,800	153,443	140,659	9.1
Consumer nondurable goods.....	168,841	169,380	171,634	-0.3	-1.3	0.3	174,854	175,512	172,434	146,980	998,735	850,351	17.4
UNFILLED ORDERS													
All manufacturing industries ⁵	863,237	860,748	853,164	0.3	0.9	0.6	865,699	867,283	862,694	811,597	(X)	(X)	6.7
Construction materials and supplies.....	57,810	57,564	57,066	0.4	0.9	1.5	58,725	58,981	58,297	52,389	(X)	(X)	12.1
Information technology.....	124,357	123,683	123,438	0.5	0.2	-0.1	124,469	124,028	124,926	119,079	(X)	(X)	4.5
Computers and related products.....	3,643	3,513	3,348	3.7	4.9	-2.0	3,643	3,513	3,348	3,721	(X)	(X)	-2.1
Motor vehicle and parts.....	13,518	13,503	13,509	0.1	0.0	-0.3	13,377	13,640	13,807	13,005	(X)	(X)	2.9
Capital goods.....	655,689	652,190	645,200	0.5	1.1	0.5	657,047	655,556	650,991	616,673	(X)	(X)	6.5
Nondefense capital goods ³	505,359	502,744	496,873	0.5	1.2	0.6	504,969	504,350	499,480	469,231	(X)	(X)	7.6
Excluding aircraft.....	202,718	199,886	196,599	1.4	1.7	1.6	203,172	201,490	198,824	176,964	(X)	(X)	14.8
Defense capital goods ⁴	150,330	149,446	148,327	0.6	0.8	0.3	152,078	151,206	151,511	147,442	(X)	(X)	3.1
Consumer goods.....	4,796	4,827	4,949	-0.6	-2.5	-1.0	4,665	4,973	5,157	4,643	(X)	(X)	0.5
Consumer durable goods.....	4,796	4,827	4,949	-0.6	-2.5	-1.0	4,665	4,973	5,157	4,643	(X)	(X)	0.5
TOTAL INVENTORIES													
All manufacturing industries.....	594,365	592,935	588,509	0.2	0.8	1.5	592,880	599,541	591,694	524,831	(X)	(X)	13.0
Construction materials and supplies.....	56,754	56,806	56,116	-0.1	1.2	1.2	56,705	57,389	56,604	53,276	(X)	(X)	6.4
Information technology.....	42,530	42,385	42,141	0.3	0.6	1.7	41,867	42,899	42,071	39,299	(X)	(X)	6.5
Computers and related products.....	5,628	5,703	5,816	-1.3	-1.9	7.2	5,505	5,958	5,709	5,972	(X)	(X)	-7.8
Motor vehicle and parts.....	24,938	24,891	24,601	0.2	1.2	0.7	24,604	25,340	24,909	22,035	(X)	(X)	11.7
Capital goods.....	183,145	181,486	178,739	0.9	1.5	1.5	182,434	183,781	179,876	158,057	(X)	(X)	15.4
Nondefense capital goods ³	162,842	160,697	158,368	1.3	1.5	1.8	162,237	162,999	159,389	138,041	(X)	(X)	17.5
Excluding aircraft.....	111,904	111,060	109,894	0.8	1.1	1.5	111,082	112,455	110,212	100,288	(X)	(X)	10.8
Defense capital goods ⁴	20,303	20,789	20,371	-2.3	2.1	-1.2	20,197	20,782	20,487	20,016	(X)	(X)	0.9
Consumer goods.....	180,300	181,152	182,246	-0.5	-0.6	2.0	179,303	182,891	182,363	156,195	(X)	(X)	14.8
Consumer durable goods.....	26,376	26,515	26,380	-0.5	0.5	0.3	25,923	26,649	26,244	23,979	(X)	(X)	8.1
Consumer nondurable goods.....	153,924	154,637	155,866	-0.5	-0.8	2.3	153,380	156,242	156,119	132,216	(X)	(X)	16.0

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

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

² Topical series are regroupings of the separate industry categories.

³ Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change June 11/10
	June 2011 ^P	May 2011 ^r	Apr. 2011	May - June	Apr. - May	Mar. - Apr.	June 2011 ^P	May 2011 ^r	Apr. 2011	June 2010	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	194,591	195,226	194,124	-0.3	0.6	1.1	194,505	196,390	194,227	175,661	10.7
Durable goods industries.....	114,802	114,806	113,622	0.0	1.0	1.4	114,229	114,889	113,395	105,582	8.2
Wood products.....	3,146	3,247	3,245	-3.1	0.1	1.1	2,959	2,994	3,015	2,981	-0.7
Nonmetallic mineral products.....	4,354	4,310	4,269	1.0	1.0	2.4	4,352	4,320	4,288	4,036	7.8
Primary metals.....	13,740	13,743	13,632	0.0	0.8	0.2	13,943	13,728	13,471	12,425	12.2
Fabricated metal products.....	16,346	16,268	15,741	0.5	3.3	1.8	16,302	16,150	15,641	14,595	11.7
Machinery.....	21,467	21,314	21,087	0.7	1.1	1.1	21,383	21,511	21,213	18,692	14.4
Computers and electronic products.....	18,061	18,332	18,381	-1.5	-0.3	2.5	17,752	18,391	18,248	16,367	8.5
Electrical equipment, appliances, and components.....	6,524	6,509	6,456	0.2	0.8	1.3	6,588	6,607	6,504	6,213	6.0
Transportation equipment.....	20,722	20,670	20,544	0.3	0.6	1.0	20,499	20,742	20,750	20,639	-0.7
Furniture and related products.....	3,332	3,259	3,224	2.2	1.1	1.3	3,366	3,282	3,231	3,029	11.1
Miscellaneous products.....	7,110	7,154	7,043	-0.6	1.6	0.8	7,085	7,164	7,034	6,605	7.3
Nondurable goods industries.....	79,789	80,420	80,502	-0.8	-0.1	0.8	80,276	81,501	80,832	70,079	14.6
Food products.....	14,487	14,523	14,488	-0.2	0.2	0.6	14,194	14,240	14,425	13,395	6.0
Beverage and tobacco products.....	4,344	4,291	4,316	1.2	-0.6	-0.3	4,208	4,244	4,362	4,257	-1.2
Textiles.....	1,333	1,322	1,265	0.8	4.5	1.9	1,345	1,343	1,279	1,105	21.7
Textile products.....	1,377	1,373	1,359	0.3	1.0	2.2	1,399	1,394	1,367	1,220	14.7
Apparel.....	835	839	825	-0.5	1.7	3.1	850	842	817	595	42.9
Leather and allied products.....	304	306	305	-0.7	0.3	-0.7	300	308	299	260	15.4
Paper products.....	6,652	6,667	6,697	-0.2	-0.4	-0.5	6,560	6,595	6,666	6,491	1.1
Printing.....	2,663	2,695	2,745	-1.2	-1.8	0.9	2,672	2,660	2,701	2,532	5.5
Petroleum and coal products.....	16,644	17,398	17,631	-4.3	-1.3	2.0	17,304	18,647	17,954	11,412	51.6
Chemical products.....	22,782	22,604	22,395	0.8	0.9	-0.2	23,052	22,833	22,474	21,076	9.4
Plastics and rubber products.....	8,368	8,402	8,476	-0.4	-0.9	2.2	8,392	8,395	8,488	7,736	8.5
WORK IN PROCESS											
All manufacturing industries.....	186,320	184,621	182,727	0.9	1.0	1.8	185,167	186,459	184,360	157,959	17.2
Durable goods industries.....	139,566	138,216	135,882	1.0	1.7	1.3	139,285	139,944	137,033	118,120	17.9
Wood products.....	1,532	1,535	1,528	-0.2	0.5	-1.1	1,526	1,539	1,558	1,483	2.9
Nonmetallic mineral products.....	1,208	1,198	1,168	0.8	2.6	1.6	1,244	1,245	1,216	1,190	4.5
Primary metals.....	9,816	9,834	9,776	-0.2	0.6	4.3	10,030	10,207	9,974	8,422	19.1
Fabricated metal products.....	12,366	12,292	12,112	0.6	1.5	1.5	12,327	12,383	12,119	10,997	12.1
Machinery.....	15,132	15,075	14,679	0.4	2.7	1.5	14,974	15,252	14,596	13,142	13.9
Computers and electronic products.....	18,363	18,204	18,198	0.9	0.0	0.9	18,267	18,469	18,227	17,561	4.0
Electrical equipment, appliances, and components.....	3,634	3,622	3,601	0.3	0.6	1.7	3,632	3,717	3,710	3,167	14.7
Transportation equipment.....	73,214	72,129	70,531	1.5	2.3	1.1	72,945	72,754	71,329	57,898	26.0
Furniture and related products.....	1,057	1,078	1,053	-1.9	2.4	0.5	1,068	1,086	1,055	998	7.0
Miscellaneous products.....	3,244	3,249	3,236	-0.2	0.4	-0.4	3,272	3,292	3,249	3,262	0.3
Nondurable goods industries.....	46,754	46,405	46,845	0.8	-0.9	3.1	45,882	46,515	47,327	39,839	15.2
Food products.....	3,619	3,593	3,542	0.7	1.4	2.5	3,072	3,067	3,236	2,702	13.7
Beverage and tobacco products.....	5,509	5,537	5,571	-0.5	-0.6	0.5	5,179	5,413	5,537	5,268	-1.7
Textiles.....	811	812	802	-0.1	1.2	3.6	811	825	803	709	14.4
Textile products.....	452	462	474	-2.2	-2.5	-0.6	454	475	486	425	6.8
Apparel.....	365	362	348	0.8	4.0	-2.8	382	366	344	367	4.1
Leather and allied products.....	94	92	89	2.2	3.4	8.5	92	92	89	74	24.3
Paper products.....	1,254	1,233	1,244	1.7	-0.9	0.2	1,263	1,229	1,246	1,202	5.1
Printing.....	1,202	1,210	1,257	-0.7	-3.7	0.2	1,140	1,149	1,265	1,188	-4.0
Petroleum and coal products.....	16,553	16,303	16,894	1.5	-3.5	10.0	16,477	16,848	17,700	11,232	46.7
Chemical products.....	14,899	14,810	14,729	0.6	0.5	-1.5	15,046	15,067	14,702	14,589	3.1
Plastics and rubber products.....	1,996	1,991	1,895	0.3	5.1	-1.5	1,966	1,984	1,919	2,083	-5.6
FINISHED GOODS											
All manufacturing industries.....	213,454	213,088	211,658	0.2	0.7	1.5	213,208	216,692	213,107	191,211	11.5
Durable goods industries.....	103,460	102,961	101,984	0.5	1.0	0.9	103,359	105,275	103,251	93,455	10.6
Wood products.....	3,794	3,833	3,860	-1.0	-0.7	0.1	3,831	3,940	3,928	3,892	-1.6
Nonmetallic mineral products.....	5,307	5,263	5,225	0.8	0.7	-0.1	5,320	5,431	5,425	5,077	4.8
Primary metals.....	10,380	10,200	9,925	1.8	2.8	3.2	10,377	10,495	10,150	8,499	22.1
Fabricated metal products.....	16,462	16,487	16,307	-0.2	1.1	1.6	16,654	16,852	16,663	15,177	9.7
Machinery.....	21,060	20,860	20,592	1.0	1.3	1.7	20,958	21,161	20,941	18,274	14.7
Computers and electronic products.....	11,760	11,595	11,389	1.4	1.8	0.6	11,423	11,705	11,273	10,413	9.7
Electrical equipment, appliances, and components.....	5,294	5,358	5,343	-1.2	0.3	0.3	5,244	5,386	5,345	4,913	6.7
Transportation equipment.....	15,083	15,031	14,906	0.3	0.8	-0.5	15,257	15,859	15,135	13,837	10.3
Furniture and related products.....	2,394	2,427	2,469	-1.4	-1.7	-1.4	2,497	2,478	2,427	2,468	1.2
Miscellaneous products.....	11,926	11,907	11,968	0.2	-0.5	0.4	11,798	11,968	11,964	10,905	8.2
Nondurable goods industries.....	109,994	110,127	109,674	-0.1	0.4	2.0	109,849	111,417	109,856	97,756	12.4
Food products.....	26,777	26,458	26,128	1.2	1.3	0.1	26,133	25,976	25,526	23,601	10.7
Beverage and tobacco products.....	6,559	6,555	6,534	0.1	0.3	0.1	6,575	6,571	6,633	6,349	3.6
Textiles.....	1,435	1,407	1,400	2.0	0.5	1.9	1,446	1,418	1,420	1,206	19.9
Textile products.....	1,162	1,156	1,136	0.5	1.8	1.1	1,179	1,178	1,150	1,061	11.1
Apparel.....	1,233	1,254	1,242	-1.7	1.0	-0.6	1,282	1,223	1,156	1,149	11.6
Leather and allied products.....	495	491	492	0.8	-0.2	0.8	506	485	483	410	23.4
Paper products.....	5,980	6,025	6,003	-0.7	0.4	0.4	5,914	6,134	6,071	5,862	0.9
Printing.....	1,625	1,609	1,652	1.0	-2.6	-1.1	1,660	1,636	1,674	1,590	4.4
Petroleum and coal products.....	19,583	20,049	20,831	-2.3	-3.8	4.8	20,091	21,075	20,927	15,228	31.9
Chemical products.....	35,044	35,237	34,529	-0.5	2.1	3.3	34,965	35,603	34,915	31,971	9.4
Plastics and rubber products.....	10,101	9,886	9,727	2.2	1.6	0.4	10,098	10,118	9,901	9,329	8.2

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

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

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

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group³

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Jun 2011 ^p	May 2011 ^r	Apr 2011	Mar 2011	Jun 2011 ^p	May 2011 ^r	Apr 2011	Mar 2011
All manufacturing industries ²	1.34	1.34	1.33	1.30	(X)	(X)	(X)	(X)
Durable goods industries ²	1.82	1.82	1.81	1.76	6.08	6.11	6.11	5.96
Wood products.....	1.62	1.64	1.62	1.61	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.39	1.38	1.38	1.35	(X)	(X)	(X)	(X)
Primary metals.....	1.43	1.46	1.48	1.45	1.33	1.41	1.47	1.47
Fabricated metal products.....	1.81	1.82	1.79	1.74	2.62	2.61	2.63	2.59
Machinery.....	1.98	2.02	2.03	1.90	4.31	4.31	4.25	3.89
Computers and electronic products ²	1.59	1.56	1.54	1.59	5.71	5.63	5.61	5.66
Electrical equipment, appliances, and components.....	1.52	1.53	1.54	1.49	2.78	2.76	2.78	2.69
Transportation equipment.....	2.38	2.35	2.29	2.19	15.97	15.90	15.72	15.16
Furniture and related products.....	1.23	1.22	1.21	1.20	1.48	1.47	1.51	1.46
Miscellaneous products.....	1.67	1.68	1.67	1.66	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.95	0.95	0.95	0.94	(X)	(X)	(X)	(X)
Food products.....	0.73	0.73	0.72	0.73	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.30	1.35	1.37	1.36	(X)	(X)	(X)	(X)
Textiles.....	1.36	1.34	1.33	1.29	(X)	(X)	(X)	(X)
Textile products.....	1.62	1.63	1.62	1.56	(X)	(X)	(X)	(X)
Apparel.....	1.88	1.94	1.89	1.89	(X)	(X)	(X)	(X)
Leather and allied products.....	2.77	2.69	2.73	2.77	(X)	(X)	(X)	(X)
Paper products.....	0.97	0.97	0.96	0.95	(X)	(X)	(X)	(X)
Printing.....	0.79	0.78	0.80	0.79	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.77	0.77	0.77	0.73	(X)	(X)	(X)	(X)
Chemical products.....	1.16	1.17	1.17	1.16	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.28	1.28	1.27	1.25	(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	
	Jun ¹ 2011	Jun ² 2010- May 2011	Jun ¹ 2011	Jun ² 2010- May 2011	Jun ¹ 2011	Jun ² 2010- May 2011	Jun ¹ 2011	Jun ² 2010- May 2011
All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.1	(X)	0.2
Durable goods industries.....	0.0	0.3	0.2	0.8	0.1	0.1	0.1	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)	0.2
Primary metals.....	-0.2	0.8	-0.9	2.6	-0.9	1.7	0.1	0.5
Fabricated metal products.....	0.1	0.3	0.8	0.7	-0.2	0.1	0.0	0.2
Machinery.....	0.2	0.8	0.4	2.5	0.5	0.6	0.1	0.2
Computers and electronic products.....	0.0	0.8	0.6	1.2	0.1	0.2	0.2	0.2
Electrical equipment, appliances, and components.....	-0.3	0.8	0.5	1.0	0.2	0.3	0.2	0.3
Transportation equipment.....	-0.1	0.7	-0.1	1.4	0.0	0.1	0.0	0.3
Furniture and related products.....	(X)	0.6	(X)	1.2	(X)	0.8	(X)	0.4
Miscellaneous products.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
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)	0.3
Textiles.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.7
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.6
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	0.8	(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)	0.5

X Not Applicable

NA Not Available

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

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

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>.