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Full Report on Manufacturers' Shipments, Inventories and Orders July 2013

Summary

New orders for manufactured goods in July, down following three consecutive monthly increases, decreased \$12.0 billion or 2.4 percent to \$485.0 billion, the U.S. Census Bureau reported today. This followed a 1.6 percent June increase. Excluding transportation, new orders increased 1.2 percent.

Shipments, up two of the last three months, increased \$5.3 billion or 1.1 percent to \$487.6 billion. This followed a 0.3 percent June decrease.

Unfilled orders, up five of the last six months, increased \$4.0 billion or 0.4 percent to \$1,033.9 billion. This was at the highest level since the series was first published on a NAICS basis in 1992, and followed a 2.1 percent June increase. The unfilled orders-to-shipments ratio was 6.44, up from 6.38 in June.

Inventories, up seven of the last eight months, increased \$1.5 billion or 0.2 percent to \$629.7 billion. This was at the highest level since the series was first published on a NAICS basis and followed a 0.2 percent June increase. The inventories-to-shipments ratio was 1.29, down from 1.30 in June.

New Orders

New orders for manufactured durable goods in July, down following three consecutive monthly increases, decreased \$18.1 billion or 7.4 percent to \$226.3 billion, revised from the previously published 7.3 percent decrease. This followed a 3.9 percent June increase.

Transportation equipment, also down following three consecutive monthly increases, led the decrease, down \$16.8 billion or 19.4 percent to \$69.6 billion.

New orders for manufactured nondurable goods increased \$6.1 billion or 2.4 percent to \$258.8 billion.

Shipments

Shipments of manufactured durable goods in July, down three of the last four months, decreased \$0.8 billion or 0.3 percent to \$228.8 billion, unchanged from the previously published decrease. This followed a 0.1 percent June decrease.

Computers and electronic products, also down three of the last four months, drove the decrease, down \$0.9 billion or 3.1 percent to \$26.7 billion.

Shipments of manufactured nondurable goods, up two of the last three months, increased \$6.1 billion or 2.4 percent to \$258.8 billion. This followed a 0.5 percent June decrease. Petroleum and coal products, up three consecutive months, led the increase, up \$4.9 billion or 7.0 percent to \$74.8 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in July, up five of the last six months, increased \$4.0 billion or 0.4 percent to \$1,033.9 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 2.1 percent June increase.

Computers and electronic products, up four consecutive months, led the increase, up \$1.2 billion or 0.9 percent to \$135.9 billion.

Inventories

Inventories of manufactured durable goods in July, up three of the last four months, increased \$1.3 billion or 0.3 percent to \$378.9 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 0.1 percent June increase.

Transportation equipment, up fourteen of the last fifteen months, led the increase, up \$0.7 billion or 0.6 percent to \$116.9 billion.

Inventories of manufactured nondurable goods, up two consecutive months, increased \$0.3 billion or 0.1 percent to \$250.8 billion. This followed a 0.3 percent June increase. Petroleum and coal products, up three consecutive months, drove the increase, up \$0.8 billion or 1.7 percent to \$48.7 billion.

By stage of fabrication, July materials and supplies increased 0.4 percent in durable goods and 0.6 percent in nondurable goods. Work in process increased 0.5 percent in durable goods and 0.1 percent in nondurable goods. Finished goods decreased slightly in durable goods and 0.2 percent in nondurable goods.

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to www.census.gov/m3. The advance report on durable goods for August is scheduled for release on September 25, 2013, at 8:30 a.m. EDT and the full report on October 3, 2013, at 10:00 a.m. EDT. See back page for survey description. To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets. To learn more about this release and other indicators the U.S. Census Bureau publishes, join us for the 2013 Economic Indicator Webinar Series. For more information go to www.census.gov/econ/webinar.

Table 1. Value of Manufacturers' Shipments for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly			Year to date			
	July 2013 ²	June 2013 ²	May 2013	June - July	May - June	Apr. - May	July 2013 ²	June 2013 ²	May 2013	July 2012	2013 ²	2012	Percent 2013/2012
All manufacturing industries.....	487,604	482,308	483,821	1.1	-0.3	1.0	474,914	498,138	502,851	458,453	3,367,406	3,315,067	1.6
Excluding transportation.....	418,706	413,467	414,605	1.3	-0.3	0.6	418,209	423,861	430,667	406,111	2,904,016	2,882,758	0.7
Excluding defense.....	475,905	470,016	471,721	1.3	-0.4	1.0	464,741	484,430	490,853	447,967	3,285,556	3,232,534	1.6
With unfilled orders.....	160,517	161,380	161,970	-0.5	-0.4	2.1	150,518	172,508	167,099	146,036	1,110,341	1,098,815	1.0
Durable goods industries.....	228,815	229,600	229,878	-0.3	-0.1	1.3	214,765	243,782	237,367	207,661	1,582,668	1,542,289	2.6
Wood products.....	7,209	7,181	7,288	0.4	-1.5	1.0	7,539	7,757	8,096	6,534	50,597	43,923	15.2
Nonmetallic mineral products.....	8,516	8,502	8,362	0.2	1.7	1.1	9,049	9,123	9,071	8,351	57,532	55,223	4.2
Primary metals.....	25,323	24,938	24,406	1.5	2.2	-1.2	24,935	25,331	25,826	24,131	177,433	180,970	-2.0
Iron and steel mills.....	10,615	10,385	9,865	2.2	5.3	-4.1	10,374	10,440	10,657	10,873	74,678	85,670	-12.8
Aluminum and nonferrous metals.....	13,105	12,868	12,899	1.8	-0.2	1.6	13,041	13,066	13,404	11,642	90,687	82,655	9.7
Ferrous metal foundries.....	1,603	1,685	1,642	-4.9	2.6	-4.0	1,520	1,825	1,765	1,616	12,068	12,645	-4.6
Fabricated metal products.....	28,872	28,859	29,071	0.0	-0.7	-0.1	28,496	29,866	30,386	27,613	201,286	199,351	1.0
Machinery.....	33,601	34,109	34,798	-1.5	-2.0	1.6	32,827	36,062	35,925	32,215	239,940	231,326	3.7
Farm machinery.....	1,940	1,982	2,055	-2.1	-3.6	1.9	1,923	1,787	2,181	1,864	16,268	17,335	-6.2
Construction machinery.....	4,416	4,819	5,084	-8.4	-5.2	0.2	4,378	4,758	4,782	4,955	32,786	27,280	20.2
Mining, oil field, and gas field machinery.....	2,133	2,093	2,108	1.9	-0.7	-2.0	2,084	2,267	2,057	2,283	14,818	15,900	-6.8
Industrial machinery.....	3,682	3,507	3,624	5.0	-3.2	4.4	3,508	3,828	3,776	3,242	24,768	22,450	10.3
Photographic equipment.....	693	667	666	3.9	0.2	0.8	635	686	668	588	4,451	4,628	-3.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,669	3,573	3,674	2.7	-2.7	-2.5	4,006	4,574	4,134	3,838	25,921	25,078	3.4
Metalworking machinery.....	2,984	2,927	3,043	1.9	-3.8	0.2	2,934	3,064	3,116	2,632	20,282	18,585	9.1
Turbines, generators, and other power transmission equipment.....	3,677	4,206	4,231	-12.6	-0.6	9.0	3,571	4,391	4,398	3,561	28,180	28,976	-2.7
Material handling equipment.....	2,866	2,789	2,773	2.8	0.6	-1.2	2,762	2,795	2,893	2,493	19,186	17,988	6.7
Computers and electronic products ²	26,674	27,534	27,238	-3.1	1.1	-1.2	26,322	30,207	25,663	28,919	187,863	197,314	-4.8
Computers.....	412	465	522	-11.4	-10.9	0.6	367	599	488	551	3,509	5,098	-31.2
Computer storage devices.....	629	1,118	995	-43.7	12.4	2.2	559	1,673	698	976	6,296	6,171	2.0
Other peripheral equipment.....	810	810	810	0.0	0.0	-3.9	575	1,055	734	531	5,044	5,295	-4.7
Nondefense communications equipment.....	3,535	3,590	3,668	-1.5	-2.1	5.7	3,066	4,224	3,513	2,887	23,807	22,052	8.0
Defense communications equipment.....	423	429	449	-1.4	-4.5	-8.6	372	436	444	381	2,928	3,332	-12.1
Audio and video equipment.....	281	233	273	20.6	-14.7	-0.7	245	195	255	219	1,574	1,505	4.6
Electronic components.....	3,505	3,459	3,467	1.3	-0.2	-0.8	3,279	3,759	3,522	3,242	23,693	24,637	-3.8
Nondefense search and navigation equipment.....	1,250	1,306	1,284	-4.3	1.7	3.6	1,145	1,408	1,294	1,274	8,821	9,251	-4.6
Defense search and navigation equipment.....	2,837	2,936	2,793	-3.4	5.1	0.1	2,507	3,169	2,740	2,711	19,589	20,653	-5.2
Electromedical, measuring, and control instruments.....	6,111	6,196	6,169	-1.4	0.4	2.5	5,500	7,290	6,069	5,570	42,759	47,482	-9.9
Electrical equipment, appliances, and components.....	10,292	10,308	10,401	-0.2	-0.9	2.0	9,842	10,970	10,758	9,723	71,452	71,852	-0.6
Electric lighting equipment.....	786	786	797	0.0	-1.4	-3.4	782	806	782	800	5,577	6,493	-14.1
Household appliances.....	1,682	1,639	1,661	2.6	-1.3	3.0	1,589	1,715	1,791	1,417	11,412	10,706	6.6
Electrical equipment.....	3,291	3,313	3,371	-0.7	-1.7	0.7	3,144	3,759	3,513	3,248	23,349	23,985	-2.7
Batteries.....	966	989	1,015	-2.3	-2.6	-0.4	871	963	958	895	6,313	6,229	1.3
Transportation equipment.....	68,898	68,841	69,216	0.1	-0.5	3.8	56,705	74,277	72,184	52,342	463,390	432,309	7.2
Automobiles.....	9,941	10,435	10,298	-4.7	1.3	-2.1	8,076	10,992	10,920	7,141	72,421	59,589	21.5
Light trucks and utility vehicles.....	13,501	12,536	12,665	7.7	-1.0	-0.2	9,691	13,207	13,452	8,803	85,332	76,375	11.7
Heavy duty trucks.....	2,381	2,270	2,298	4.9	-1.2	-1.4	2,296	2,340	2,485	2,255	15,779	17,947	-12.1
Motor vehicle bodies, parts, and trailers.....	19,357	19,586	19,238	-1.2	1.8	-1.9	16,856	20,153	20,843	15,549	134,157	128,433	4.5
Nondefense aircraft and parts.....	12,168	11,996	12,593	1.4	-4.7	29.7	10,058	13,985	12,259	8,637	74,170	68,112	8.9
Defense aircraft and parts.....	4,398	4,612	4,669	-4.6	-1.2	1.1	3,587	5,483	4,550	3,795	31,325	32,213	-2.8
Ships and boats.....	2,461	2,506	2,463	-1.8	1.7	2.5	2,268	2,692	2,593	2,358	16,935	16,986	-0.3
Furniture and related products.....	5,607	5,600	5,551	0.1	0.9	0.0	5,640	5,751	5,695	5,372	38,638	37,373	3.4
Miscellaneous durable goods.....	13,823	13,728	13,547	0.7	1.3	1.3	13,410	14,438	13,763	12,461	94,537	92,648	2.0
Nondurable goods industries.....	258,789	252,708	253,943	2.4	-0.5	0.8	260,149	254,356	265,484	250,792	1,784,738	1,772,778	0.7
Food products.....	62,411	61,802	62,059	1.0	-0.4	-0.4	60,379	60,765	61,641	58,259	425,755	413,130	3.1
Grain and oilseed milling.....	8,068	8,029	8,016	0.5	0.2	-2.2	7,853	7,344	7,473	7,769	55,476	54,038	2.7
Dairy products.....	8,533	8,569	8,696	-0.4	-1.5	0.3	8,517	8,480	8,772	8,203	58,690	58,032	1.1
Meat, poultry, and seafood products.....	17,998	17,797	17,925	1.1	-0.7	-0.1	17,768	18,302	18,200	17,506	123,852	123,154	0.6
Beverage and tobacco products.....	12,212	11,919	12,346	2.5	-3.5	2.5	12,325	12,573	13,357	11,975	82,896	82,431	0.6
Beverages.....	8,670	8,721	8,597	-0.6	1.4	-0.2	8,783	9,375	9,608	8,687	60,073	59,803	0.5
Tobacco.....	3,542	3,198	3,749	10.8	-14.7	9.3	3,542	3,198	3,749	3,288	22,823	22,628	0.9
Textile mills.....	2,643	2,611	2,616	1.2	-0.2	0.5	2,578	2,770	2,770	2,450	18,405	18,298	0.6
Textile products.....	2,083	2,058	2,039	1.2	0.9	0.9	2,099	2,195	2,148	1,929	14,474	13,665	5.9
Apparel.....	1,123	1,110	1,119	1.2	-0.8	-0.4	1,122	1,032	1,021	1,102	7,325	7,166	2.2
Leather and allied products.....	474	472	479	0.4	-1.5	0.4	467	498	487	462	3,358	3,329	0.9
Paper products.....	14,291	14,272	14,222	0.1	0.4	-0.3	14,601	14,434	14,431	14,569	99,324	101,561	-2.2
Pulp, paper, and paperboard mills.....	6,668	6,638	6,634	0.5	0.1	-0.6	6,829	6,678	6,642	6,796	46,502	47,296	-1.7
Paperboard containers.....	4,393	4,405	4,356	-0.3	1.1	1.0	4,572	4,465	4,466	4,392	30,225	30,070	0.5
Printing.....	6,460	6,362	6,670	1.5	-4.6	0.3	6,089	5,979	6,976	6,245	45,029	46,113	-2.4
Petroleum and coal products.....	74,791	69,928	69,623	7.0	0.4	-0.7	77,516	70,315	74,832	73,357	506,779	505,665	0.2
Petroleum refineries.....	71,351	66,474	66,280	7.3	0.3	0.6	73,527	66,404	71,218	69,437	482,785	480,301	0.5
Chemical products.....	64,019	63,761	64,295	0.4	-0.8	1.9	64,374	64,668	68,162	62,441	451,352	454,912	-0.8
Pesticides, fertilizers, and other agricultural chemicals.....	2,614	2,685	2,861	-2.6	-6.2	7.6	2,040	2,609	3,900	2,403	21,048	23,679	-11.1
Pharmaceuticals and medicines.....	15,616	15,361	15,601	1.7	-1.5	0.6	15,867	15,327	16,174	15,309	107,424	110,127	-2.5
Paints, coatings, and adhesives.....	3,075	2,980	3,112	3.2	-4.2	2.9	3,312	3,198	3,561	3,133	22,023	21,962	0.3
Plastics and rubber products.....	18,282	18,413	18,475	-0.7	-0.3	1.0	18,599	19,127	19,659	18,003	130,041	126,508	2.8

² Preliminary¹ Revised data due to late receipts and concurrent seasonal adjustment.

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

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

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	July 2013 ^P	June 2013 ^f	May 2013	June - July	May - June	Apr. - May	July 2013 ^P	June 2013 ^f	May 2013	July 2012	2013 ^P	2012	Percent 2013/2012
All manufacturing industries ²	485,046	497,059	489,105	-2.4	1.6	3.0	466,304	510,323	501,389	456,071	3,359,792	3,297,544	1.9
Excluding transportation ²	415,449	410,672	411,739	1.2	-0.3	1.0	411,039	418,031	427,233	392,151	2,882,386	2,843,537	1.4
Excluding defense ²	473,279	483,045	477,895	-2.0	1.1	2.7	458,230	493,552	493,580	444,754	3,288,668	3,209,782	2.5
With unfilled orders ²	164,546	182,839	173,760	-10.0	5.2	7.4	150,348	190,804	171,262	153,968	1,150,659	1,131,222	1.7
Durable goods industries ²	226,257	244,351	235,162	-7.4	3.9	5.5	206,155	255,967	235,905	205,279	1,575,054	1,524,766	3.3
Primary metals.....	25,544	25,536	25,893	0.0	-1.4	2.3	24,920	25,354	26,503	23,490	180,898	177,417	2.0
Iron and steel mills.....	10,600	10,655	10,663	-0.5	-0.1	-1.7	10,246	10,455	10,814	10,567	76,748	83,502	-8.1
Aluminum and nonferrous metals.....	13,259	13,142	13,624	0.9	-3.5	6.5	13,067	13,103	13,994	11,241	92,067	81,021	13.6
Ferrous metal foundries.....	1,685	1,739	1,606	-3.1	8.3	-3.3	1,607	1,796	1,695	1,682	12,083	12,894	-6.3
Fabricated metal products.....	29,918	29,743	29,630	0.6	0.4	-0.3	28,475	29,195	30,632	27,498	211,912	205,858	2.9
Machinery.....	34,475	34,876	34,578	-1.1	0.9	0.5	33,673	35,903	35,687	29,673	244,735	232,024	5.5
Construction machinery.....	4,196	4,654	5,008	-9.8	-7.1	6.1	3,935	4,315	4,600	3,860	32,504	25,750	26.2
Mining, oil field, and gas field machinery.....	2,156	2,901	2,002	-25.7	44.9	-1.7	2,297	3,005	2,236	1,986	16,448	15,610	5.4
Industrial machinery.....	3,940	3,877	3,705	1.6	4.6	1.6	3,862	4,165	3,647	3,018	25,749	22,606	13.9
Photographic equipment.....	756	638	604	18.5	5.6	-30.2	767	681	601	629	5,046	5,202	-3.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,560	3,454	3,695	3.1	-6.5	1.8	3,888	4,449	4,316	4,104	25,881	26,664	-2.9
Metalworking machinery.....	3,129	2,985	3,041	4.8	-1.8	-5.7	3,041	3,055	3,040	2,385	20,418	18,535	10.2
Turbines, generators, and other power transmission equipment.....	4,339	4,188	4,090	3.6	2.4	-1.5	4,192	4,439	4,084	2,823	29,181	29,056	0.4
Material handling equipment.....	2,859	2,898	3,051	-1.3	-5.0	3.9	2,560	2,791	3,182	2,261	20,185	18,525	9.0
Computers and electronic products ²	21,288	22,069	22,236	-3.5	-0.8	3.2	18,438	24,926	20,934	18,629	144,926	152,773	-5.1
Computers.....	431	406	528	6.2	-23.1	-3.1	386	540	494	542	3,706	5,015	-26.1
Nondefense communications equipment.....	3,909	4,169	4,813	-6.2	-13.4	17.0	3,096	4,772	4,630	3,014	27,357	24,573	11.3
Defense communications equipment.....	403	394	419	2.3	-6.0	-2.8	311	421	320	350	2,547	3,020	-15.7
Electronic components.....	3,673	3,388	3,418	8.4	-0.9	-4.6	3,489	3,550	3,454	3,299	24,168	24,757	-2.4
Nondefense search and navigation equipment.....	1,646	1,686	1,549	-2.4	8.8	-5.6	1,570	1,735	1,555	1,432	11,296	12,023	-6.0
Defense search and navigation equipment.....	3,043	3,150	2,607	-3.4	20.8	10.3	2,457	3,397	2,115	2,366	17,600	20,819	-15.5
Electromedical, measuring, and control instruments.....	6,169	6,431	6,522	-4.1	-1.4	0.6	5,483	7,300	6,398	5,637	43,427	47,687	-8.9
Electrical equipment, appliances, and components.....	10,230	10,692	10,707	-4.3	-0.1	3.4	9,714	11,270	11,219	9,317	72,983	72,515	0.6
Electric lighting equipment.....	775	760	780	2.0	-2.6	0.3	719	822	812	759	5,589	6,531	-14.4
Household appliances.....	1,674	1,704	1,674	-1.8	1.8	2.8	1,620	1,682	1,827	1,417	11,462	10,613	8.0
Electrical equipment.....	3,388	3,328	3,412	1.8	-2.5	0.4	3,260	3,751	3,621	3,171	24,040	24,659	-2.5
Transportation equipment.....	69,597	86,387	77,366	-19.4	11.7	15.1	55,265	92,292	74,156	63,920	477,406	454,007	5.2
Motor vehicle bodies, parts, and trailers.....	19,214	19,523	19,451	-1.6	0.4	-0.7	16,549	19,929	20,744	15,423	133,719	127,308	5.0
Nondefense aircraft and parts.....	13,217	27,692	20,697	-52.3	33.8	67.6	10,824	28,910	17,145	19,292	99,863	87,981	13.5
Defense aircraft and parts.....	5,124	5,239	4,303	-2.2	21.8	4.8	3,839	5,967	2,926	3,535	25,466	33,312	-23.6
Ships and boats.....	2,021	3,158	2,508	-36.0	25.9	55.3	1,408	3,583	2,265	3,082	13,441	17,734	-24.2
Furniture and related products.....	5,664	5,649	5,546	0.3	1.9	-0.8	5,679	5,721	5,835	5,404	39,546	38,431	2.9
Nondurable goods industries.....	258,789	252,708	253,943	2.4	-0.5	0.8	260,149	254,356	265,484	250,792	1,784,738	1,772,778	0.7

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

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

² Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				Percent Change July 13/12
	Monthly			Percent Change			Monthly				
	July 2013 ^p	June 2013 ^r	May 2013	June - July	May - June	Apr. - May	July 2013 ^p	June 2013 ^r	May 2013	July 2012	
All manufacturing industries ²	1,033,906	1,029,877	1,008,418	0.4	2.1	1.2	1,031,182	1,031,352	1,013,056	987,381	4.4
Excluding transportation ²	395,955	392,625	388,712	0.8	1.0	0.9	397,637	396,367	396,086	387,878	2.5
Excluding defense ²	833,273	829,312	809,575	0.5	2.4	1.6	831,554	829,625	814,392	782,997	6.2
Durable goods industries ²	1,033,906	1,029,877	1,008,418	0.4	2.1	1.2	1,031,182	1,031,352	1,013,056	987,381	4.4
Primary metals.....	35,765	35,544	34,946	0.6	1.7	4.4	35,592	35,607	35,584	34,404	3.5
Iron and steel mills.....	17,871	17,886	17,616	-0.1	1.5	4.7	17,769	17,897	17,882	16,926	5.0
Aluminum and nonferrous metals.....	13,752	13,598	13,324	1.1	2.1	5.8	13,695	13,669	13,632	12,987	5.5
Ferrous metal foundries.....	4,142	4,060	4,006	2.0	1.3	-0.9	4,128	4,041	4,070	4,491	-8.1
Fabricated metal products.....	88,654	87,608	86,724	1.2	1.0	0.6	89,578	89,599	90,270	80,110	11.8
Machinery.....	105,964	105,090	104,323	0.8	0.7	-0.2	106,585	105,739	105,898	115,144	-7.4
Construction machinery.....	9,705	9,925	10,090	-2.2	-1.6	-0.7	9,659	10,102	10,545	15,077	-35.9
Mining, oil field, and gas field machinery.....	13,697	13,674	12,866	0.2	6.3	-0.8	13,950	13,737	12,999	12,915	8.0
Industrial machinery.....	8,108	7,850	7,480	3.3	4.9	1.1	8,310	7,956	7,619	8,771	-5.3
Photographic equipment.....	3,763	3,700	3,729	1.7	-0.8	-1.6	3,903	3,771	3,776	3,472	12.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,966	5,075	5,194	-2.1	-2.3	0.4	5,171	5,289	5,414	6,934	-25.4
Metalworking machinery.....	6,054	5,909	5,851	2.5	1.0	0.0	6,017	5,910	5,919	6,239	-3.6
Turbines, generators, and other power transmission equipment.....	26,608	25,946	25,964	2.6	-0.1	-0.5	26,547	25,926	25,878	27,266	-2.6
Material handling equipment.....	11,012	11,019	10,910	-0.1	1.0	2.6	10,979	11,181	11,185	10,409	5.5
Computers and electronic products ²	135,909	134,708	133,465	0.9	0.9	1.1	135,657	135,101	134,271	128,804	5.3
Computers.....	3,424	3,405	3,464	0.6	-1.7	0.2	3,424	3,405	3,464	2,660	28.7
Nondefense communications equipment.....	29,791	29,417	28,838	1.3	2.0	4.1	29,506	29,476	28,928	24,282	21.5
Defense communications equipment.....	4,108	4,128	4,163	-0.5	-0.8	-0.7	4,093	4,154	4,169	4,466	-8.4
Electronic components.....	13,025	12,857	12,928	1.3	-0.5	-0.4	13,000	12,790	12,999	12,384	5.0
Nondefense search and navigation equipment.....	16,556	16,160	15,780	2.5	2.4	1.7	16,695	16,270	15,943	12,905	29.4
Defense search and navigation equipment.....	43,329	43,123	42,909	0.5	0.5	-0.4	43,182	43,232	43,004	46,271	-6.7
Electromedical, measuring, and control instruments.....	25,676	25,618	25,383	0.2	0.9	1.4	25,757	25,774	25,764	25,836	-0.3
Electrical equipment, appliances, and components.....	22,335	22,397	22,013	-0.3	1.7	1.4	22,505	22,633	22,333	21,696	3.7
Electric lighting equipment.....	1,198	1,209	1,235	-0.9	-2.1	-1.4	1,194	1,257	1,241	1,166	2.4
Household appliances.....	754	762	697	-1.0	9.3	1.9	721	690	723	587	22.8
Electrical equipment.....	11,313	11,216	11,201	0.9	0.1	0.4	11,513	11,397	11,405	10,964	5.0
Transportation equipment.....	637,951	637,252	619,706	0.1	2.8	1.3	633,545	634,985	616,970	599,503	5.7
Motor vehicle bodies, parts, and trailers.....	16,623	16,766	16,829	-0.9	-0.4	1.3	16,347	16,654	16,878	16,752	-2.4
Nondefense aircraft and parts.....	460,227	459,178	443,482	0.2	3.5	1.9	457,049	456,283	441,358	417,177	9.6
Defense aircraft and parts.....	67,347	66,621	65,994	1.1	1.0	-0.6	66,500	66,248	65,764	66,621	-0.2
Ships and boats.....	20,994	21,434	20,782	-2.1	3.1	0.2	20,995	21,855	20,964	23,693	-11.4
Furniture and related products.....	6,235	6,178	6,129	0.9	0.8	-0.1	6,627	6,588	6,618	6,727	-1.5

^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.

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 Groups ¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change July 13/12
	July 2013 ^p	June 2013 ^f	May 2013	June - July	May - June	Apr. - May	July 2013 ^p	June 2013 ^f	May 2013	July 2012	
All manufacturing industries.....	629,712	628,178	626,936	0.2	0.2	-0.1	632,238	623,825	631,305	619,766	2.0
Excluding transportation.....	512,785	511,911	511,102	0.2	0.2	-0.1	514,015	508,426	514,490	510,676	0.7
Excluding defense.....	601,200	599,899	599,087	0.2	0.1	-0.1	603,670	595,682	603,367	593,141	1.8
With unfilled orders.....	310,291	308,683	308,025	0.5	0.2	-0.1	313,239	307,275	311,123	303,884	3.1
Durable goods industries.....	378,869	377,602	377,093	0.3	0.1	-0.1	381,766	375,530	380,438	372,983	2.4
Wood products.....	9,916	9,866	9,897	0.5	-0.3	1.8	9,733	9,670	9,755	8,609	13.1
Nonmetallic mineral products.....	11,604	11,560	11,455	0.4	0.9	0.5	11,632	11,685	11,635	11,440	1.7
Primary metals.....	35,037	34,896	34,819	0.4	0.2	-0.5	35,114	34,907	35,048	36,471	-3.7
Iron and steel mills.....	20,209	20,010	19,954	1.0	0.3	-1.2	20,237	20,038	20,115	21,590	-6.3
Aluminum and nonferrous metals.....	12,581	12,655	12,578	-0.6	0.6	0.6	12,669	12,674	12,627	12,575	0.7
Ferrous metal foundries.....	2,247	2,231	2,287	0.7	-2.4	-0.6	2,208	2,195	2,306	2,306	-4.2
Fabricated metal products.....	47,314	47,161	47,097	0.3	0.1	-0.3	47,839	47,280	47,633	47,678	0.3
Machinery.....	65,875	65,536	66,082	0.5	-0.8	-0.3	66,122	64,837	67,019	67,132	-1.5
Farm machinery.....	3,865	3,842	3,855	0.6	-0.3	-1.5	3,703	3,840	3,955	3,682	0.6
Construction machinery.....	5,338	5,426	5,599	-1.6	-3.1	-2.4	5,295	5,459	5,646	6,150	-13.9
Mining, oil field, and gas field machinery.....	7,173	7,170	7,182	0.0	-0.2	-1.1	7,300	7,174	7,365	7,264	0.5
Industrial machinery.....	6,342	6,278	6,188	1.0	1.5	0.5	6,269	6,240	6,264	6,087	3.0
Photographic equipment.....	1,600	1,607	1,640	-0.4	-2.0	2.0	1,656	1,595	1,629	1,651	0.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,764	4,791	4,829	-0.6	-0.8	-0.9	4,870	4,865	5,166	4,580	6.3
Metalworking machinery.....	5,532	5,555	5,465	-0.4	1.6	0.4	5,558	5,508	5,471	5,377	3.4
Turbines, generators, and other power transmission equipment.....	10,426	10,215	10,462	2.1	-2.4	1.5	10,654	9,786	10,576	11,474	-7.1
Material handling equipment.....	4,494	4,447	4,419	1.1	0.6	-0.8	4,592	4,455	4,418	4,551	0.9
Computers and electronic products ²	46,691	46,835	46,554	-0.3	0.6	1.0	47,213	46,335	46,756	46,559	1.4
Computers.....	964	952	926	1.3	2.8	1.1	966	923	943	894	8.1
Computer storage devices.....	1,961	2,076	1,979	-5.5	4.9	10.5	1,967	2,037	2,029	1,751	12.3
Other peripheral equipment.....	1,637	1,665	1,721	-1.7	-3.3	3.3	1,670	1,623	1,766	1,867	-10.6
Nondefense communications equipment.....	6,089	6,218	6,190	-2.1	0.5	0.2	6,116	6,102	6,125	6,414	-4.6
Defense communications equipment.....	1,244	1,236	1,249	0.6	-1.0	-3.8	1,244	1,236	1,249	1,411	-11.8
Audio and video equipment.....	661	673	659	-1.8	2.1	-1.3	674	634	605	624	8.0
Electronic components.....	7,790	7,833	7,772	-0.5	0.8	0.4	7,912	7,683	7,788	7,667	3.2
Nondefense search and navigation equipment.....	3,606	3,553	3,531	1.5	0.6	-0.3	3,625	3,490	3,543	3,533	2.6
Defense search and navigation equipment.....	3,201	3,148	3,120	1.7	0.9	4.0	3,265	3,173	3,262	2,942	11.0
Electromedical, measuring and control instruments.....	12,426	12,278	12,268	1.2	0.1	0.9	12,507	12,109	12,388	11,530	8.5
Electrical equipment, appliances, and components.....	16,807	16,799	16,605	0.0	1.2	-0.3	16,999	16,811	16,897	16,533	2.8
Electric lighting equipment.....	1,940	1,933	1,939	0.4	-0.3	-0.7	2,015	1,967	2,009	1,945	3.6
Household appliances.....	1,779	1,793	1,821	-0.8	-1.5	-0.7	1,838	1,788	1,815	1,870	-1.7
Electrical equipment.....	4,913	4,894	4,889	0.4	0.1	0.1	4,943	4,827	4,988	5,004	-1.2
Batteries.....	1,166	1,159	1,171	0.6	-1.0	0.2	1,185	1,169	1,224	1,132	4.7
Transportation equipment.....	116,927	116,267	115,834	0.6	0.4	-0.2	118,223	115,399	116,815	109,090	8.4
Automobiles.....	2,478	2,616	2,659	-5.3	-1.6	-2.7	2,478	2,475	2,640	2,685	-7.7
Light trucks and utility vehicles.....	2,330	2,210	2,254	5.4	-2.0	-3.4	2,377	1,999	2,305	2,547	-6.7
Heavy duty trucks.....	1,746	1,931	2,074	-9.6	-6.9	-5.1	1,753	1,883	2,043	2,263	-22.5
Motor vehicle bodies, parts, and trailers.....	18,395	18,248	18,130	0.8	0.7	1.0	18,574	17,954	18,130	18,230	1.9
Nondefense aircraft and parts.....	63,183	62,699	62,416	0.8	0.5	0.0	64,088	62,834	63,427	55,790	14.9
Defense aircraft and parts.....	13,998	13,702	13,880	2.2	-1.3	1.3	14,066	13,644	13,917	13,000	8.2
Ships and boats.....	2,404	2,362	2,366	1.8	-0.2	-1.0	2,356	2,354	2,311	2,402	-1.9
Furniture and related products.....	5,999	5,998	5,982	0.0	0.3	-0.8	6,163	6,148	6,043	6,172	-0.1
Miscellaneous durable goods.....	22,699	22,684	22,768	0.1	-0.4	-0.3	22,728	22,458	22,837	23,299	-2.5
Nondurable goods industries.....	250,843	250,576	249,843	0.1	0.3	-0.1	250,472	248,295	250,867	246,783	1.5
Food products.....	47,789	47,976	47,847	-0.4	0.3	0.2	46,912	46,333	46,284	46,608	0.7
Grain and oilseed milling.....	5,344	5,524	5,610	-3.3	-1.5	-1.3	5,072	5,258	5,215	5,883	-13.8
Dairy products.....	6,157	6,276	6,273	-1.9	0.0	0.1	6,378	6,485	6,509	6,229	2.4
Meat, poultry, and seafood products.....	9,145	9,134	8,998	0.1	1.5	0.6	9,098	8,915	8,804	8,800	3.4
Beverage and tobacco products.....	20,138	20,113	20,023	0.1	0.4	0.6	19,419	19,539	19,825	18,396	5.6
Beverages.....	16,102	16,088	16,015	0.1	0.5	0.8	15,624	15,691	15,916	14,742	6.0
Tobacco.....	4,036	4,025	4,008	0.3	0.4	-0.1	3,795	3,848	3,909	3,654	3.9
Textile mills.....	3,330	3,320	3,322	0.3	-0.1	0.1	3,360	3,345	3,353	3,319	1.2
Textile products.....	3,050	3,050	3,044	0.0	0.2	0.0	3,063	3,085	3,086	2,976	2.9
Apparel.....	2,174	2,158	2,134	0.7	1.1	0.7	2,285	2,183	2,082	2,026	12.8
Leather and allied products.....	1,055	1,061	1,082	-0.6	-1.9	0.6	1,062	1,067	1,083	1,022	3.9
Paper products.....	14,495	14,473	14,469	0.2	0.0	-0.2	14,509	14,401	14,520	14,667	-1.1
Pulp, paper, and paperboard mills.....	6,142	6,140	6,173	0.0	-0.5	-0.4	6,160	6,103	6,236	6,429	-4.2
Paperboard containers.....	4,160	4,132	4,098	0.7	0.8	-0.1	4,132	4,105	4,092	4,026	2.6
Printing.....	5,504	5,497	5,506	0.1	-0.2	-0.8	5,608	5,492	5,454	5,676	-1.2
Petroleum and coal products.....	48,687	47,860	47,272	1.7	1.2	0.6	48,971	47,413	48,702	49,672	-1.4
Petroleum refineries.....	44,927	44,034	43,367	2.0	1.5	0.5	45,156	43,566	44,757	45,702	-1.2
Chemical products.....	82,444	82,840	82,911	-0.5	-0.1	-0.8	82,947	83,047	83,908	80,478	3.1
Pesticides, fertilizers, and other agricultural chemicals.....	4,329	4,261	4,249	1.6	0.3	-1.5	3,977	3,904	4,025	3,473	14.5
Pharmaceuticals and medicines.....	31,875	32,162	32,595	-0.9	-1.3	-1.1	32,108	32,616	33,144	31,170	3.0
Paints, coatings, and adhesives.....	3,250	3,255	3,273	-0.2	-0.5	-2.0	3,317	3,338	3,357	3,276	1.3
Plastics and rubber products.....	22,177	22,228	22,233	-0.2	0.0	-0.3	22,336	22,390	22,570	21,943	1.8

^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 change.

² Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable aggregate totals, but are not shown separate.

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 2013/ 2012	
	July 2013 ^p	June 2013 ^f	May 2013	June - July	May - June	Apr. - May	July 2013 ^p	June 2013 ^f	May 2013	July 2012	2013 ^p		2012
SHIPMENTS													
All manufacturing industries.....	487,604	482,308	483,821	1.1	-0.3	1.0	474,914	498,138	502,851	458,453	3,367,406	3,315,067	1.6
Construction materials and supplies.....	43,174	42,835	43,009	0.8	-0.4	0.2	45,084	46,355	46,432	42,378	299,936	291,024	3.1
Information technology.....	20,842	21,615	21,488	-3.6	0.6	2.5	18,694	24,750	20,898	19,314	145,490	151,814	-4.2
Computers and related products.....	1,851	2,393	2,327	-22.6	2.8	-0.4	1,501	3,327	1,920	2,058	14,849	16,564	-10.4
Motor vehicle and parts.....	45,180	44,827	44,499	0.8	0.7	-1.5	36,919	46,692	47,700	33,748	307,689	282,344	9.0
Capital goods.....	82,719	84,454	85,632	-2.1	-1.4	5.8	76,996	91,886	86,189	75,729	571,888	561,974	1.8
Nondefense capital goods ³	73,376	74,524	75,864	-1.5	-1.8	6.3	68,749	81,104	76,392	67,088	505,527	495,687	2.0
Excluding aircraft.....	64,747	65,856	66,493	-1.7	-1.0	2.0	61,651	71,095	67,064	60,973	454,714	450,018	1.0
Defense capital goods ⁴	9,343	9,930	9,768	-5.9	1.7	2.2	8,247	10,782	9,797	8,641	66,361	66,287	0.1
Consumer goods.....	213,374	206,723	207,423	3.2	-0.3	0.2	207,489	208,167	215,780	197,597	1,453,814	1,419,243	2.4
Consumer durable goods.....	36,592	35,954	35,922	1.8	0.1	-0.3	30,020	37,704	37,992	27,224	248,701	225,451	10.3
Consumer nondurable goods.....	176,782	170,769	171,501	3.5	-0.4	0.3	177,469	170,463	177,788	170,373	1,205,113	1,193,792	0.9
NEW ORDERS													
All manufacturing industries ⁵	485,046	497,059	489,105	-2.4	1.6	3.0	466,304	510,323	501,389	456,071	3,359,792	3,297,544	1.9
Construction materials and supplies.....	43,411	42,865	43,240	1.3	-0.9	1.5	45,351	45,717	47,287	42,867	301,916	294,374	2.6
Information technology.....	21,798	23,230	23,248	-6.2	-0.1	4.0	18,960	26,109	22,082	19,034	151,383	157,701	-4.0
Computers and related products.....	1,870	2,334	2,333	-19.9	0.0	-1.2	1,520	3,268	1,926	2,049	15,046	16,481	-8.7
Motor vehicle and parts.....	45,037	44,764	44,712	0.6	0.1	-0.9	36,612	46,468	47,601	33,622	307,251	281,219	9.3
Capital goods.....	86,533	103,795	95,264	-16.6	9.0	13.7	76,825	110,347	89,787	83,782	607,454	593,874	2.3
Nondefense capital goods ³	77,367	92,049	86,132	-16.0	6.9	12.8	70,374	96,338	83,244	73,577	549,735	522,107	5.3
Excluding aircraft.....	66,924	69,695	68,955	-4.0	1.1	2.1	62,183	73,069	69,035	57,695	474,901	458,568	3.6
Defense capital goods ⁴	9,166	11,746	9,132	-22.0	28.6	22.9	6,451	14,009	6,543	10,205	57,719	71,767	-19.6
Consumer goods.....	213,355	206,808	207,511	3.2	-0.3	0.2	207,623	207,974	215,800	197,742	1,454,126	1,419,340	2.5
Consumer durable goods.....	36,573	36,039	36,010	1.5	0.1	-0.3	30,154	37,511	38,012	27,369	249,013	225,548	10.4
Consumer nondurable goods.....	176,782	170,769	171,501	3.5	-0.4	0.3	177,469	170,463	177,788	170,373	1,205,113	1,193,792	0.9
UNFILLED ORDERS													
All manufacturing industries ⁵	1,033,906	1,029,877	1,008,418	0.4	2.1	1.2	1,031,182	1,031,352	1,013,056	987,381	(X)	(X)	4.4
Construction materials and supplies.....	50,936	50,699	50,669	0.5	0.1	0.5	51,648	51,381	52,019	52,696	(X)	(X)	-2.0
Information technology.....	135,717	134,761	133,146	0.7	1.2	1.3	135,637	135,371	134,012	128,871	(X)	(X)	5.3
Computers and related products.....	3,424	3,405	3,464	0.6	-1.7	0.2	3,424	3,405	3,464	2,660	(X)	(X)	28.7
Motor vehicle and parts.....	16,623	16,766	16,829	-0.9	-0.4	1.3	16,347	16,654	16,878	16,752	(X)	(X)	-2.4
Capital goods.....	779,255	775,441	756,100	0.5	2.6	1.3	776,780	776,951	758,490	737,843	(X)	(X)	5.3
Nondefense capital goods ³	609,705	605,714	588,189	0.7	3.0	1.8	607,479	605,854	590,620	563,906	(X)	(X)	7.7
Excluding aircraft.....	226,906	224,729	220,890	1.0	1.7	1.1	228,026	227,494	225,520	218,605	(X)	(X)	4.3
Defense capital goods ⁴	169,550	169,727	167,911	-0.1	1.1	-0.4	169,301	171,097	167,870	173,937	(X)	(X)	-2.7
Consumer goods.....	4,340	4,359	4,274	-0.4	2.0	2.1	4,385	4,251	4,444	4,098	(X)	(X)	7.0
Consumer durable goods.....	4,340	4,359	4,274	-0.4	2.0	2.1	4,385	4,251	4,444	4,098	(X)	(X)	7.0
TOTAL INVENTORIES													
All manufacturing industries.....	629,712	628,178	626,936	0.2	0.2	-0.1	632,238	623,825	631,305	619,766	(X)	(X)	2.0
Construction materials and supplies.....	61,229	61,233	61,357	0.0	-0.2	-0.1	61,688	61,314	62,093	60,414	(X)	(X)	2.1
Information technology.....	40,606	40,650	40,286	-0.1	0.9	1.1	40,917	40,205	40,622	39,432	(X)	(X)	3.8
Computers and related products.....	4,562	4,693	4,626	-2.8	1.4	5.8	4,603	4,583	4,738	4,512	(X)	(X)	2.0
Motor vehicle and parts.....	24,949	25,005	25,117	-0.2	-0.4	-0.3	25,182	24,311	25,118	25,725	(X)	(X)	-2.1
Capital goods.....	194,553	193,846	193,304	0.4	0.3	-0.1	195,958	193,078	195,495	187,593	(X)	(X)	4.5
Nondefense capital goods ³	171,437	170,801	170,854	0.4	0.0	-0.1	172,854	170,111	172,993	166,227	(X)	(X)	4.0
Excluding aircraft.....	119,645	119,457	119,707	0.2	-0.2	-0.1	120,305	118,290	120,853	121,114	(X)	(X)	-0.7
Defense capital goods ⁴	23,116	23,045	22,450	0.3	2.7	0.2	23,104	22,967	22,502	21,366	(X)	(X)	8.1
Consumer goods.....	187,580	187,223	187,075	0.2	0.1	0.0	186,686	184,312	187,213	185,755	(X)	(X)	0.5
Consumer durable goods.....	24,408	24,490	24,754	-0.3	-1.1	-0.8	24,457	23,795	24,674	25,339	(X)	(X)	-3.5
Consumer nondurable goods.....	163,172	162,733	162,321	0.3	0.3	0.1	162,229	160,517	162,539	160,416	(X)	(X)	1.1

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 change.

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 machine vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compresso material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigati equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling sto ships and boats; office and institutional furniture; and medical equipment and supplie

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change July 13/12
	July 2013 ^p	June 2013 ^f	May 2013	June - July	May - June	Apr. - May	July 2013 ^p	June 2013 ^f	May 2013	July 2012	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	202,124	201,158	202,321	0.5	-0.6	0.0	203,012	199,176	203,010	205,712	-1.3
Durable goods industries.....	123,446	122,937	123,657	0.4	-0.6	0.1	124,069	121,523	123,778	123,867	0.2
Wood products.....	3,826	3,781	3,810	1.2	-0.8	2.1	3,723	3,543	3,556	3,287	13.3
Nonmetallic mineral products.....	4,397	4,375	4,316	0.5	1.4	-0.1	4,405	4,389	4,334	4,369	0.8
Primary metals.....	14,159	13,873	14,063	2.1	-1.4	0.5	14,077	13,731	13,901	14,073	0.0
Fabricated metal products.....	17,126	16,999	17,033	0.7	-0.2	-0.3	17,299	16,936	17,056	17,813	-2.9
Machinery.....	24,441	24,415	24,737	0.1	-1.3	-1.0	24,803	24,207	24,928	25,847	-4.0
Computers and electronic products.....	18,458	18,282	18,248	1.0	0.2	1.0	18,529	18,052	18,291	17,568	5.5
Electrical equipment, appliances, and components.....	7,197	7,193	7,046	0.1	2.1	-0.3	7,272	7,238	7,197	7,105	2.4
Transportation equipment.....	23,881	23,948	24,328	-0.3	-1.6	0.7	23,942	23,361	24,385	23,164	3.4
Furniture and related products.....	2,812	2,809	2,783	0.1	0.9	-0.5	2,861	2,841	2,797	2,993	-4.4
Miscellaneous products.....	7,149	7,262	7,293	-1.6	-0.4	0.0	7,158	7,225	7,333	7,648	-6.4
Nondurable goods industries.....	78,678	78,221	78,664	0.6	-0.6	-0.1	78,943	77,653	79,232	81,845	-3.5
Food products.....	16,373	16,616	16,467	-1.5	0.9	-0.4	16,203	16,079	15,970	17,538	-7.6
Beverage and tobacco products.....	5,284	5,232	5,221	1.0	0.2	0.3	5,061	5,078	5,217	4,895	3.4
Textiles.....	1,194	1,196	1,197	-0.2	-0.1	0.8	1,216	1,219	1,216	1,167	4.2
Textile products.....	1,192	1,184	1,192	0.7	-0.7	1.2	1,207	1,207	1,214	1,176	2.6
Apparel.....	716	711	699	0.7	1.7	0.7	723	723	697	625	15.7
Leather and allied products.....	319	319	321	0.0	-0.6	-1.8	320	317	321	298	7.4
Paper products.....	6,805	6,773	6,791	0.5	-0.3	-0.7	6,750	6,667	6,747	7,003	-3.6
Printing.....	2,472	2,430	2,455	1.7	-1.0	-3.1	2,507	2,428	2,421	2,612	-4.0
Petroleum and coal products.....	12,207	11,737	12,276	4.0	-4.4	1.3	12,467	11,839	12,946	13,831	-9.9
Chemical products.....	23,488	23,201	23,123	1.2	0.3	-0.3	23,776	23,234	23,413	23,640	0.6
Plastics and rubber products.....	8,628	8,822	8,922	-2.2	-1.1	-0.4	8,713	8,862	9,070	9,060	-3.8
WORK IN PROCESS											
All manufacturing industries.....	202,012	201,173	200,502	0.4	0.3	-0.4	202,845	199,717	202,074	192,341	5.5
Durable goods industries.....	151,267	150,492	149,795	0.5	0.5	-0.2	153,189	150,363	151,498	144,954	5.7
Wood products.....	1,773	1,754	1,783	1.1	-1.6	1.2	1,765	1,747	1,806	1,634	8.0
Nonmetallic mineral products.....	1,318	1,296	1,273	1.7	1.8	-0.2	1,347	1,325	1,298	1,354	-0.5
Primary metals.....	10,375	10,514	10,408	-1.3	1.0	-0.1	10,579	10,656	10,618	11,490	-7.9
Fabricated metal products.....	13,498	13,489	13,371	0.1	0.9	-0.4	13,599	13,452	13,525	13,155	3.4
Machinery.....	18,819	18,671	18,693	0.8	-0.1	0.0	18,922	18,357	19,062	19,112	-1.0
Computers and electronic products.....	15,863	15,965	16,133	-0.6	-1.0	0.1	16,207	16,017	16,224	16,876	-4.0
Electrical equipment, appliances, and components.....	3,752	3,747	3,746	0.1	0.0	-0.1	3,791	3,736	3,829	3,647	3.9
Transportation equipment.....	81,350	80,712	80,005	0.8	0.9	-0.2	82,408	80,704	80,703	73,145	12.7
Furniture and related products.....	985	980	993	0.5	-1.3	-1.1	1,002	991	998	973	3.0
Miscellaneous products.....	3,534	3,364	3,390	5.1	-0.8	-1.3	3,569	3,378	3,435	3,568	0.0
Nondurable goods industries.....	50,745	50,681	50,707	0.1	-0.1	-1.1	49,656	49,354	50,576	47,387	4.8
Food products.....	4,649	4,622	4,711	0.6	-1.9	-2.3	4,038	4,028	4,166	3,855	4.7
Beverage and tobacco products.....	6,857	6,876	6,798	-0.3	1.1	0.5	6,154	6,356	6,559	5,612	9.7
Textiles.....	747	754	753	-0.9	0.1	-1.2	753	753	755	757	-0.5
Textile products.....	429	427	420	0.5	1.7	-3.0	429	424	424	417	2.9
Apparel.....	316	319	320	-0.9	-0.3	0.0	343	334	317	370	-7.3
Leather and allied products.....	108	103	105	4.9	-1.9	1.0	102	97	105	114	-10.5
Paper products.....	1,428	1,422	1,416	0.4	0.4	2.0	1,439	1,427	1,426	1,311	9.8
Printing.....	1,229	1,266	1,269	-2.9	-0.2	-0.4	1,248	1,194	1,188	1,357	-8.0
Petroleum and coal products.....	14,305	13,798	13,227	3.7	4.3	-0.6	14,422	13,461	13,551	13,344	8.1
Chemical products.....	18,048	18,467	19,079	-2.3	-3.2	-2.3	18,068	18,647	19,450	17,628	2.5
Plastics and rubber products.....	2,629	2,627	2,609	0.1	0.7	1.2	2,660	2,633	2,635	2,622	1.4
FINISHED GOODS											
All manufacturing industries.....	225,576	225,847	224,113	-0.1	0.8	0.1	226,381	224,932	226,221	221,713	2.1
Durable goods industries.....	104,156	104,173	103,641	0.0	0.5	-0.2	104,508	103,644	105,162	104,162	0.3
Wood products.....	4,317	4,331	4,304	-0.3	0.6	1.8	4,245	4,380	4,393	3,688	15.1
Nonmetallic mineral products.....	5,889	5,889	5,866	0.0	0.4	1.0	5,880	5,971	6,003	5,717	2.9
Primary metals.....	10,503	10,509	10,348	-0.1	1.6	-2.3	10,458	10,520	10,529	10,908	-4.1
Fabricated metal products.....	16,690	16,673	16,693	0.1	-0.1	-0.3	16,941	16,892	17,052	16,710	1.4
Machinery.....	22,615	22,450	22,652	0.7	-0.9	0.1	22,397	22,273	23,029	22,173	1.0
Computers and electronic products.....	12,370	12,588	12,173	-1.7	3.4	2.0	12,477	12,266	12,241	12,115	3.0
Electrical equipment, appliances, and components.....	5,858	5,859	5,813	0.0	0.8	-0.4	5,936	5,837	5,871	5,781	2.7
Transportation equipment.....	11,696	11,607	11,501	0.8	0.9	-1.8	11,873	11,334	11,727	12,781	-7.1
Furniture and related products.....	2,202	2,209	2,206	-0.3	0.1	-1.0	2,300	2,316	2,248	2,206	4.3
Miscellaneous products.....	12,016	12,058	12,085	-0.3	-0.2	-0.1	12,001	11,855	12,069	12,083	-0.7
Nondurable goods industries.....	121,420	121,674	120,472	-0.2	1.0	0.3	121,873	121,288	121,059	117,551	3.7
Food products.....	26,767	26,738	26,669	0.1	0.3	1.0	26,671	26,226	26,148	25,215	5.8
Beverage and tobacco products.....	7,997	8,005	8,004	-0.1	0.0	1.0	8,204	8,105	8,049	7,889	4.0
Textiles.....	1,389	1,370	1,372	1.4	-0.1	0.1	1,391	1,373	1,382	1,395	-0.3
Textile products.....	1,429	1,439	1,432	-0.7	0.5	-0.1	1,427	1,454	1,448	1,383	3.2
Apparel.....	1,142	1,128	1,115	1.2	1.2	0.8	1,219	1,126	1,068	1,031	18.2
Leather and allied products.....	628	639	656	-1.7	-2.6	-1.7	640	653	657	610	4.9
Paper products.....	6,262	6,278	6,262	-0.3	0.3	-0.2	6,320	6,307	6,347	6,353	-0.5
Printing.....	1,803	1,801	1,782	0.1	1.1	2.2	1,853	1,870	1,845	1,707	8.6
Petroleum and coal products.....	22,175	22,325	21,769	-0.7	2.6	1.0	22,082	22,113	22,205	22,497	-1.8
Chemical products.....	40,908	41,172	40,709	-0.6	1.1	-0.4	41,103	41,166	41,045	39,210	4.8
Plastics and rubber products.....	10,920	10,779	10,702	1.3	0.7	-0.6	10,963	10,895	10,865	10,261	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.

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 Group¹

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ²			
	Jul 2013 ³	Jun 2013 ¹	May 2013	Apr 2013	Jul 2013 ³	Jun 2013 ¹	May 2013	Apr 2013
	All manufacturing industries ³	1.29	1.30	1.30	1.31	(X)	(X)	(X)
Durable goods industries ³	1.66	1.64	1.64	1.66	6.44	6.38	6.23	6.28
Wood products.....	1.38	1.37	1.36	1.35	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.36	1.36	1.37	1.38	(X)	(X)	(X)	(X)
Primary metals.....	1.38	1.40	1.43	1.42	1.41	1.43	1.43	1.35
Fabricated metal products.....	1.64	1.63	1.62	1.62	3.17	3.14	3.09	3.06
Machinery.....	1.96	1.92	1.90	1.94	3.41	3.34	3.25	3.30
Computers and electronic products ³	1.75	1.70	1.71	1.67	7.52	7.33	7.27	7.32
Electrical equipment, appliances, and components.....	1.63	1.63	1.60	1.63	2.39	2.40	2.35	2.37
Transportation equipment.....	1.70	1.69	1.67	1.74	14.81	14.62	14.10	14.86
Furniture and related products.....	1.07	1.07	1.08	1.09	1.33	1.32	1.32	1.31
Miscellaneous products.....	1.64	1.65	1.68	1.71	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.97	0.99	0.98	0.99	(X)	(X)	(X)	(X)
Food products.....	0.77	0.78	0.77	0.77	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.65	1.69	1.62	1.65	(X)	(X)	(X)	(X)
Textiles.....	1.26	1.27	1.27	1.27	(X)	(X)	(X)	(X)
Textile products.....	1.46	1.48	1.49	1.51	(X)	(X)	(X)	(X)
Apparel.....	1.94	1.94	1.91	1.89	(X)	(X)	(X)	(X)
Leather and allied products.....	2.23	2.25	2.26	2.26	(X)	(X)	(X)	(X)
Paper products.....	1.01	1.01	1.02	1.02	(X)	(X)	(X)	(X)
Printing.....	0.85	0.86	0.83	0.83	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.65	0.68	0.68	0.68	(X)	(X)	(X)	(X)
Chemical products.....	1.29	1.30	1.29	1.33	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.21	1.21	1.20	1.22	(X)	(X)	(X)	(X)

X Not Applicable ¹ Preliminary ² Revised data due to late receipts and concurrent seasonal adjustment.

² 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.

³ Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes¹

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Jul ² 2013	Jul ³ 2012- Jun 2013	Jul ² 2013	Jul ³ 2012- Jun 2013	Jul ² 2013	Jul ³ 2012- Jun 2013	Jul ² 2013	Jul ³ 2012- Jun 2013
	All manufacturing industries.....	(X)	0.2	(X)	0.4	(X)	0.1	(X)
Durable goods industries.....	0.0	0.3	-0.1	0.6	0.0	0.1	-0.1	0.1
Wood products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Primary metals.....	0.0	0.6	0.0	1.8	0.0	1.0	0.0	0.4
Fabricated metal products.....	-0.1	0.3	0.2	0.9	0.1	0.3	0.1	0.2
Machinery.....	-0.5	0.5	-1.1	1.1	-0.3	0.3	0.0	0.2
Computers and electronic products.....	0.1	0.7	0.1	0.9	0.0	0.1	0.1	0.2
Electrical equipment, appliances, and components.....	-0.2	0.3	0.0	1.0	0.0	0.4	-0.1	0.6
Transportation equipment.....	0.2	0.4	0.0	1.4	0.0	0.1	0.0	0.2
Furniture and related products.....	(X)	0.3	(X)	0.5	(X)	0.4	(X)	0.3
Miscellaneous products.....	(X)	0.5	(X)	0.5	(X)	0.4	(X)	0.2
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Textile products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	1.0
Leather and allied products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.7
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	1.3	(X)	(NA)	(X)	(NA)	(X)	0.6
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3

X Not Applicable NA Not Available

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

³ The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,300 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 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>.