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## Full Report on Manufacturers' Shipments, Inventories and Orders August 2012

**Summary.** New orders for manufactured goods in August, down two of the last three months, decreased \$24.9 billion or 5.2 percent to \$452.8 billion, the U.S. Census Bureau reported today. This followed a 2.6 percent July increase. Excluding transportation, new orders increased 0.7 percent. Shipments, down two of the last three months, decreased \$1.3 billion or 0.3 percent to \$476.9 billion. This followed a 1.9 percent July increase. Unfilled orders, down following two consecutive monthly increases, decreased \$17.0 billion or 1.7 percent to \$978.8 billion. This followed a 0.7 percent July increase. The unfilled orders-to-shipments ratio was 6.27, up from 6.23 in July. Inventories, up two consecutive months, increased \$3.7 billion or 0.6 percent to \$611.8 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.6 percent July increase. The inventories-to-shipments ratio was 1.28, up from 1.27 in July.

**New Orders.** New orders for manufactured durable goods in August, down following three consecutive monthly increases, decreased \$30.3 billion or 13.2 percent to \$198.3 billion, unchanged from the previously published decrease. This followed a 3.3 percent July increase. Transportation equipment, down following four consecutive monthly increases, had the largest decrease, \$27.8 billion or 34.9 percent to \$52.0 billion. New orders for manufactured nondurable goods increased \$5.4 billion or 2.2 percent to \$254.5 billion.

**Shipments.** Shipments of manufactured durable goods in August, down two of the last three months, decreased \$6.7 billion or 2.9 percent to \$222.4 billion, revised from the previously published 3.0 percent decrease. This followed a 1.8 percent July increase. Transportation equipment, also down two of the last three months, had the largest decrease, \$5.5 billion or 7.9 percent to \$64.0 billion. Shipments of manufactured nondurable goods, up two consecutive months, increased \$5.4 billion or 2.2 percent to \$254.5 billion. This followed a 1.9 percent July increase. Petroleum and coal products, also up two consecutive months, led the increase, up \$4.8 billion or 6.9 percent to \$74.7 billion.

**Unfilled Orders.** Unfilled orders for manufactured durable goods in August, down following two consecutive monthly increases, decreased \$17.0 billion or 1.7 percent to \$978.8 billion, unchanged from the previously published decrease. This followed a 0.7 percent July increase. Transportation equipment, also down following two consecutive monthly increases, had the largest decrease, \$12.0 billion or 2.1 percent to \$568.6 billion.

**Inventories.** Inventories of manufactured durable goods in August, up thirty-one of the last thirty-two months, increased \$2.4 billion or 0.6 percent to \$372.2 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 0.9 percent July increase. Transportation equipment, also up thirty-one of the last thirty-two months, had the largest increase, \$1.6 billion or 1.5 percent to \$112.2 billion. Inventories of manufactured nondurable goods, up two consecutive months, increased \$1.3 billion or 0.6 percent to \$239.6 billion. This followed a 0.2 percent July increase. Petroleum and coal products, also up two consecutive months, drove the increase, up \$1.6 billion or 3.2 percent to \$53.3 billion. By stage of fabrication, August materials and supplies increased 0.4 percent in durable goods and 0.4 percent in nondurable goods. Work in process increased 0.9 percent in durable goods and 0.7 percent in nondurable goods. Finished goods increased 0.6 percent in durable goods and 0.6 percent in nondurable goods.

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

The advance report on durable goods for September is scheduled for release on October 25, 2012, at 8:30 a.m. EDT and the full report on November 2, 2012, at 10:00 a.m. EDT. See back page for survey description.

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Table 1. Value of Manufacturers' Shipments for Industry Groups<sup>1</sup>

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly			Year to date			
	Aug. 2012 <sup>p</sup>	July 2012 <sup>f</sup>	June 2012	July - Aug.	June - July	May - June	Aug. 2012 <sup>p</sup>	July 2012 <sup>f</sup>	June 2012	Aug. 2011	2012 <sup>p</sup>	2011	Percent 2012/2011
All manufacturing industries.....	476,856	478,169	469,382	-0.3	1.9	-1.2	497,047	458,206	489,974	484,740	3,809,902	3,630,996	4.9
Excluding transportation.....	412,865	408,712	405,075	-1.0	0.9	-1.3	429,031	405,608	419,562	423,293	3,305,202	3,178,407	4.0
Excluding defense.....	466,047	467,683	458,195	-0.3	2.1	-1.3	486,294	448,981	477,753	473,905	3,725,699	3,541,654	5.2
With unfilled orders.....	156,136	159,749	157,432	-2.3	1.5	-0.2	162,684	145,927	169,889	156,724	1,256,281	1,165,845	7.8
Durable goods industries.....	222,370	229,046	225,011	-2.9	1.8	0.0	232,403	209,316	240,994	222,584	1,784,966	1,649,174	8.2
Wood products.....	6,130	6,106	6,081	0.4	0.4	-0.7	6,597	6,362	6,677	6,191	49,262	46,207	6.6
Nonmetallic mineral products.....	8,099	8,082	8,033	0.2	0.6	-1.3	9,151	8,460	8,748	8,858	65,046	62,227	4.5
Primary metals.....	27,993	28,153	27,961	-0.6	0.7	-1.5	29,556	27,549	29,268	27,698	233,806	199,149	17.4
Iron and steel mills.....	10,949	10,945	10,805	0.0	1.3	-4.8	11,274	10,438	11,392	12,063	93,717	93,917	-0.2
Aluminum and nonferrous metals.....	15,256	15,416	15,352	-1.0	0.4	0.9	16,422	15,437	15,898	13,884	125,179	92,386	35.5
Ferrous metal foundries.....	1,788	1,792	1,804	-0.2	-0.7	-1.0	1,860	1,674	1,978	1,751	14,910	12,846	16.1
Fabricated metal products.....	27,162	27,167	27,360	0.0	-0.7	-0.6	29,440	26,567	28,708	28,866	221,236	209,608	5.5
Machinery.....	32,707	32,819	33,278	-0.3	-1.4	4.2	33,114	31,577	35,568	31,662	258,013	233,551	10.5
Farm machinery.....	1,624	1,870	1,968	-13.2	-5.0	-6.6	1,461	1,862	1,852	3,365	18,744	20,490	-8.5
Construction machinery.....	5,535	5,440	5,024	1.7	8.3	13.7	5,981	5,575	4,918	4,037	36,666	27,437	33.6
Mining, oil field, and gas field machinery.....	2,129	2,186	2,117	-2.6	3.3	-1.4	2,084	2,078	2,295	2,159	16,558	15,642	5.9
Industrial machinery.....	3,539	3,484	3,395	1.6	2.6	5.3	3,247	3,179	3,918	2,698	25,327	22,661	11.8
Photographic equipment.....	652	644	701	1.2	-8.1	3.7	699	564	740	720	5,130	5,224	-1.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,137	3,177	3,128	-1.3	1.6	-1.8	3,480	3,392	4,134	3,239	25,643	24,191	6.0
Metalworking machinery.....	2,545	2,528	2,535	0.7	-0.3	3.7	2,648	2,397	2,730	2,260	19,244	15,847	21.4
Turbines, generators, and other power transmission equipment.....	3,477	3,479	4,352	-0.1	-20.1	19.5	3,450	3,255	4,453	3,578	29,679	26,878	10.4
Material handling equipment.....	2,815	2,818	2,772	-0.1	1.7	-1.5	3,020	2,655	2,867	2,806	22,194	19,769	12.3
Computers and electronic products <sup>2</sup> .....	27,351	28,433	29,023	-3.8	-2.0	0.2	26,709	28,693	30,694	28,461	221,437	222,108	-0.3
Computers.....	944	986	1,133	-4.3	-13.0	-10.4	879	1,046	1,249	1,469	8,941	11,502	-22.3
Computer storage devices.....	893	1,077	797	-17.1	35.1	2.7	740	815	1,156	599	5,895	4,759	23.9
Other peripheral equipment.....	864	873	897	-1.0	-2.7	0.0	786	613	1,254	807	6,534	6,327	3.3
Nondefense communications equipment.....	2,728	2,644	2,684	3.2	-1.5	-2.3	2,598	2,324	3,188	2,620	20,678	21,500	-3.8
Defense communications equipment.....	368	352	396	4.5	-11.1	-28.3	361	316	398	480	3,131	3,884	-19.4
Audio and video equipment.....	235	257	253	-8.6	1.6	-0.8	194	217	225	196	1,693	1,630	3.9
Electronic components.....	3,577	3,563	3,613	0.4	-1.4	-1.0	3,717	3,245	3,886	3,807	28,395	28,775	-1.3
Nondefense search and navigation equipment.....	1,303	1,360	1,257	-4.2	8.2	-1.8	1,313	1,238	1,342	1,360	10,297	10,251	0.4
Defense search and navigation equipment.....	2,874	2,993	2,996	-4.0	-0.1	4.1	2,887	2,638	3,135	3,025	22,971	23,416	-1.9
Electromedical, measuring, and control instruments.....	6,016	6,160	6,803	-2.3	-9.5	-3.0	5,778	5,613	7,616	6,623	52,968	53,659	-1.3
Electrical equipment, appliances, and components.....	9,916	9,947	9,996	-0.3	-0.5	-0.4	10,335	9,424	10,764	10,346	79,522	76,885	3.4
Electric lighting equipment.....	901	894	898	0.8	-0.4	0.9	920	874	934	977	7,166	7,491	-4.3
Household appliances.....	1,562	1,557	1,536	0.3	1.4	-2.8	1,621	1,427	1,664	1,537	12,472	11,919	4.6
Electrical equipment.....	3,087	3,102	3,145	-0.5	-1.4	-0.6	3,176	2,927	3,617	3,285	25,022	23,882	4.8
Batteries.....	1,005	981	977	2.4	0.4	1.6	1,079	896	956	1,000	7,342	6,982	5.2
Transportation equipment.....	63,991	69,457	64,307	-7.9	8.0	-1.0	68,016	52,598	70,412	61,447	504,700	452,589	11.5
Automobiles.....	8,526	8,796	9,093	-3.1	-3.3	-1.5	9,467	7,163	9,709	7,788	69,242	54,919	26.1
Light trucks and utility vehicles.....	14,335	16,098	13,982	-11.0	15.1	1.7	15,651	10,448	14,964	12,367	106,291	90,930	16.9
Heavy duty trucks.....	2,331	2,458	2,623	-5.2	-6.3	-2.5	2,397	2,253	2,766	2,539	20,329	16,685	21.8
Motor vehicle bodies, parts, and trailers.....	18,528	21,927	18,258	-15.5	20.1	-1.6	20,332	15,829	19,592	19,501	150,953	142,907	5.6
Nondefense aircraft and parts.....	9,129	9,757	9,176	-6.4	6.3	-4.9	9,047	7,989	10,909	8,373	72,216	58,906	22.6
Defense aircraft and parts.....	4,552	4,331	4,646	5.1	-6.8	-0.4	4,534	3,661	5,405	4,296	35,626	35,905	-0.8
Ships and boats.....	2,279	2,220	2,256	2.7	-1.6	2.5	2,208	2,053	2,353	2,211	17,802	17,827	-0.1
Furniture and related products.....	5,365	5,325	5,313	0.8	0.2	0.1	5,837	5,350	5,503	5,606	43,150	41,563	3.8
Miscellaneous durable goods.....	13,656	13,557	13,659	0.7	-0.7	-0.4	13,648	12,736	14,652	13,449	108,794	105,287	3.3
Nondurable goods industries.....	254,486	249,123	244,371	2.2	1.9	-2.3	264,644	248,890	248,980	262,156	2,024,936	1,981,822	2.2
Food products.....	60,730	60,734	60,201	0.0	0.9	-0.7	61,832	58,666	59,655	61,415	476,887	462,681	3.1
Grain and oilseed milling.....	8,346	8,168	8,044	2.2	1.5	-2.4	8,722	7,939	7,606	8,515	63,980	61,831	3.5
Dairy products.....	8,193	8,092	8,061	1.2	0.4	-1.3	8,501	8,070	8,084	9,266	65,652	68,737	-4.5
Meat, poultry, and seafood products.....	16,485	16,732	16,754	-1.5	-0.1	-2.3	16,748	16,618	17,242	17,167	133,502	130,181	2.6
Beverage and tobacco products.....	12,969	12,649	12,216	2.5	3.5	-5.9	13,547	12,595	12,906	12,591	99,600	93,191	6.9
Beverages.....	9,196	9,275	9,123	-0.9	1.7	0.5	9,774	9,221	9,813	8,881	72,600	66,725	8.8
Tobacco.....	3,773	3,374	3,093	11.8	9.1	-20.7	3,773	3,374	3,093	3,710	27,000	26,466	2.0
Textile mills.....	2,469	2,468	2,450	0.0	0.7	-1.6	2,617	2,379	2,640	2,636	20,189	20,627	-2.1
Textile products.....	1,992	1,957	1,934	1.8	1.2	-1.0	2,082	1,957	2,099	1,955	15,951	15,164	5.2
Apparel.....	1,291	1,294	1,241	-0.2	4.3	1.2	1,416	1,284	1,183	1,359	9,762	9,203	6.1
Leather and allied products.....	441	448	453	-1.6	-1.1	-6.6	462	443	487	478	3,650	3,623	0.7
Paper products.....	13,884	13,899	13,867	-0.1	0.2	-0.4	14,528	13,974	14,231	14,828	111,876	113,990	-1.9
Pulp, paper, and paperboard mills.....	6,497	6,483	6,482	0.2	0.0	-0.7	6,804	6,561	6,621	7,038	52,468	53,549	-2.0
Paperboard containers.....	4,059	4,101	4,090	-1.0	0.3	0.5	4,256	4,180	4,191	4,296	32,883	33,723	-2.5
Printing.....	6,662	6,625	6,587	0.6	0.6	-7.3	6,904	6,233	6,459	7,109	52,799	53,911	-2.1
Petroleum and coal products.....	74,687	69,843	67,086	6.9	4.1	-3.2	78,989	72,919	68,110	74,314	580,282	556,598	4.3
Petroleum refineries.....	70,577	65,841	62,930	7.2	4.6	-3.3	73,938	68,287	63,174	68,910	545,793	524,458	4.1
Chemical products.....	62,195	61,909	61,078	0.5	1.4	-2.3	64,011	61,136	62,831	67,223	511,594	517,378	-1.1
Pesticides, fertilizers, and other agricultural chemicals.....	3,001	3,033	2,673	-1.1	13.5	-4.7	2,655	2,506	2,720	2,795	26,819	25,401	5.6
Pharmaceuticals and medicines.....	13,776	14,088	14,100	-2.2	-0.1	-1.6	13,962	13,754	14,013	15,522	113,507	120,126	-5.5
Paints, coatings, and adhesives.....	2,744	2,803	2,855	-2.1	-1.8	-0.8	2,999	2,970	3,116	2,976	23,732	21,806	8.8
Plastics and rubber products.....	17,166	17,297	17,258	-0.8	0.2	-1.1	18,256	17,304	18,379	18,248	142,346	135,456	5.1

<sup>p</sup> Preliminary<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> 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 Groups<sup>1</sup>

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Aug. 2012 <sup>P</sup>	July 2012 <sup>f</sup>	June 2012	July - Aug.	June - July	May - June	Aug. 2012 <sup>P</sup>	July 2012 <sup>f</sup>	June 2012	Aug. 2011	2012 <sup>P</sup>	2011	Percent 2012/2011
All manufacturing industries <sup>2</sup> .....	452,806	477,711	465,739	-5.2	2.6	-0.5	467,865	454,058	478,559	481,165	3,758,783	3,624,706	3.7
Excluding transportation <sup>2</sup> .....	400,845	397,922	395,266	0.7	0.7	-2.2	412,936	391,199	406,124	413,643	3,250,589	3,155,038	3.0
Excluding defense <sup>2</sup> .....	444,048	465,525	451,064	-4.6	3.2	-1.6	460,825	444,784	462,695	471,220	3,676,447	3,528,835	4.2
With unfilled orders <sup>2</sup> .....	139,126	166,941	161,449	-16.7	3.4	2.4	140,439	151,947	165,171	160,146	1,261,230	1,212,977	4.0
Durable goods industries <sup>2</sup> .....	198,320	228,588	221,368	-13.2	3.3	1.6	203,221	205,168	229,579	219,009	1,733,847	1,642,884	5.5
Primary metals.....	27,003	27,588	26,996	-2.1	2.2	-1.5	28,256	26,955	27,470	27,798	228,996	199,038	15.1
Iron and steel mills.....	10,191	10,518	10,465	-3.1	0.5	-0.6	10,387	10,065	10,424	12,056	90,422	91,614	-1.3
Aluminum and nonferrous metals.....	15,088	15,227	14,788	-0.9	3.0	-1.5	16,093	15,164	15,204	13,905	123,566	94,049	31.4
Ferrous metal foundries.....	1,724	1,843	1,743	-6.5	5.7	-6.2	1,776	1,726	1,842	1,837	15,008	13,375	12.2
Fabricated metal products.....	27,540	27,662	27,720	-0.4	-0.2	-1.6	28,916	26,638	27,933	28,307	226,889	215,088	5.5
Machinery.....	28,111	29,584	31,514	-5.0	-6.1	-2.5	27,083	28,237	32,116	30,805	252,452	257,648	-2.0
Construction machinery.....	4,491	3,948	4,153	13.8	-4.9	5.1	4,263	3,780	3,100	2,278	32,472	31,444	3.3
Mining, oil field, and gas field machinery.....	1,374	1,491	2,495	-7.8	-40.2	9.1	1,302	1,624	2,569	1,970	15,333	22,473	-31.8
Industrial machinery.....	3,499	3,165	3,132	10.6	1.1	-1.5	3,068	2,949	3,526	2,572	25,284	23,341	8.3
Photographic equipment.....	589	656	722	-10.2	-9.1	-2.7	593	608	766	703	5,507	5,392	2.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	1,197	3,487	3,408	-65.7	2.3	-0.9	1,257	3,768	4,386	3,076	25,831	25,995	-0.6
Metalworking machinery.....	2,457	2,330	2,338	5.5	-0.3	-3.6	2,488	2,109	2,496	2,291	19,020	17,333	9.7
Turbines, generators, and other power transmission equipment.....	2,636	2,658	3,733	-0.8	-28.8	-3.9	2,538	2,402	3,845	4,146	28,943	31,542	-8.2
Material handling equipment.....	2,978	2,817	2,710	5.7	3.9	-5.2	3,137	2,479	2,731	2,908	22,754	20,522	10.9
Computers and electronic products <sup>2</sup> .....	20,550	21,280	21,744	-3.4	-2.1	-4.9	19,121	18,482	23,652	20,526	170,602	166,438	2.5
Computers.....	999	900	1,147	11.0	-21.5	-13.0	934	960	1,263	1,459	8,948	11,396	-21.5
Nondefense communications equipment.....	2,667	2,868	3,093	-7.0	-7.3	-3.6	2,636	2,459	3,359	2,766	23,573	20,176	16.8
Defense communications equipment.....	363	395	285	-8.1	38.6	-33.3	283	280	318	361	2,689	3,335	-19.4
Electronic components.....	3,487	3,521	3,449	-1.0	2.1	-7.1	3,738	3,283	3,610	3,871	28,536	28,978	-1.5
Nondefense search and navigation equipment.....	1,629	1,565	1,676	4.1	-6.6	-2.9	1,573	1,398	1,816	1,318	13,317	10,538	26.4
Defense search and navigation equipment.....	2,984	3,090	2,834	-3.4	9.0	-4.8	2,599	2,295	2,908	2,578	22,915	22,216	3.1
Electromedical, measuring, and control instruments.....	5,920	6,216	6,779	-4.8	-8.3	-3.5	5,119	5,702	7,195	6,093	52,636	54,100	-2.7
Electrical equipment, appliances, and components.....	9,927	9,566	9,778	3.8	-2.2	-4.6	10,246	9,069	10,508	10,621	79,978	79,390	0.7
Electric lighting equipment.....	885	884	882	0.1	0.2	-1.5	893	836	983	981	7,174	7,627	-5.9
Household appliances.....	1,561	1,516	1,540	3.0	-1.6	-2.7	1,631	1,441	1,570	1,523	12,470	12,003	3.9
Electrical equipment.....	3,093	3,013	3,023	2.7	-0.3	-4.6	3,096	2,896	3,494	3,183	25,411	25,106	1.2
Transportation equipment.....	51,961	79,789	70,473	-34.9	13.2	10.8	54,929	62,859	72,435	67,522	508,194	469,668	8.2
Motor vehicle bodies, parts, and trailers.....	18,628	21,883	18,153	-14.9	20.5	-1.8	20,087	15,717	19,156	19,253	149,632	142,388	5.1
Nondefense aircraft and parts.....	-346	19,199	12,708	-101.8	51.1	32.5	33	18,564	10,386	15,061	82,919	74,107	11.9
Defense aircraft and parts.....	4,186	4,556	5,143	-8.1	-11.4	23.7	3,233	3,560	5,781	4,745	35,492	38,700	-8.3
Ships and boats.....	1,446	2,447	3,438	-40.9	-28.8	226.5	1,055	1,849	3,551	1,208	14,078	20,189	-30.3
Furniture and related products.....	5,349	5,373	5,378	-0.4	-0.1	2.1	5,280	5,369	5,396	4,962	43,686	41,970	4.1
Nondurable goods industries.....	254,486	249,123	244,371	2.2	1.9	-2.3	264,644	248,890	248,980	262,156	2,024,936	1,981,822	2.2

<sup>P</sup> Preliminary      <sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> 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 Groups<sup>1</sup>

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				Percent Change Aug. 12/11
	Monthly			Percent Change			Monthly				
	Aug. 2012 <sup>p</sup>	July 2012 <sup>r</sup>	June 2012	July - Aug.	June - July	May - June	Aug. 2012 <sup>p</sup>	July 2012 <sup>r</sup>	June 2012	Aug. 2011	
All manufacturing industries <sup>2</sup> .....	978,842	995,852	988,660	-1.7	0.7	0.4	970,872	993,117	987,097	923,406	5.1
Excluding transportation <sup>2</sup> .....	410,290	415,270	418,410	-1.2	-0.8	-0.5	406,712	415,870	420,111	392,058	3.7
Excluding defense <sup>2</sup> .....	789,220	804,179	798,687	-1.9	0.7	0.1	783,224	801,756	795,785	731,924	7.0
Durable goods industries <sup>2</sup> .....	978,842	995,852	988,660	-1.7	0.7	0.4	970,872	993,117	987,097	923,406	5.1
Primary metals.....	31,813	32,803	33,368	-3.0	-1.7	-2.8	31,192	32,492	33,086	33,039	-5.6
Iron and steel mills.....	17,421	18,179	18,606	-4.2	-2.3	-1.8	17,124	18,011	18,384	18,251	-6.2
Aluminum and nonferrous metals.....	10,897	11,065	11,254	-1.5	-1.7	-4.8	10,613	10,942	11,215	11,627	-8.7
Ferrous metal foundries.....	3,495	3,559	3,508	-1.8	1.5	-1.7	3,455	3,539	3,487	3,161	9.3
Fabricated metal products.....	83,242	82,864	82,369	0.5	0.6	0.4	83,024	83,548	83,477	76,880	8.0
Machinery.....	130,001	134,597	137,832	-3.4	-2.3	-1.3	128,901	134,932	138,272	127,023	1.5
Construction machinery.....	23,680	24,724	26,216	-4.2	-5.7	-3.2	22,625	24,343	26,138	24,428	-7.4
Mining, oil field, and gas field machinery.....	18,687	19,442	20,137	-3.9	-3.5	1.9	18,966	19,748	20,202	20,432	-7.2
Industrial machinery.....	8,391	8,431	8,750	-0.5	-3.6	-2.9	8,353	8,532	8,762	9,274	-9.9
Photographic equipment.....	2,822	2,885	2,873	-2.2	0.4	0.7	2,839	2,945	2,901	2,696	5.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,356	10,296	9,986	-18.8	3.1	2.9	8,578	10,801	10,425	8,813	-2.7
Metalworking machinery.....	7,210	7,298	7,496	-1.2	-2.6	-2.6	7,084	7,244	7,532	6,987	1.4
Turbines, generators, and other power transmission equipment.....	26,868	27,709	28,530	-3.0	-2.9	-2.1	26,761	27,673	28,526	23,345	14.6
Material handling equipment.....	8,425	8,262	8,263	2.0	0.0	-0.7	8,293	8,176	8,352	7,571	9.5
Computers and electronic products <sup>2</sup> .....	136,833	136,594	136,097	0.2	0.4	0.3	135,345	135,996	136,039	128,664	5.2
Computers.....	1,163	1,108	1,194	5.0	-7.2	1.2	1,163	1,108	1,194	1,158	0.4
Nondefense communications equipment.....	28,562	28,623	28,399	-0.2	0.8	1.5	28,282	28,244	28,109	24,128	17.2
Defense communications equipment.....	5,218	5,223	5,180	-0.1	0.8	-2.1	5,132	5,210	5,246	6,401	-19.8
Electronic components.....	13,079	13,169	13,211	-0.7	-0.3	-1.2	13,209	13,188	13,150	13,110	0.8
Nondefense search and navigation equipment.....	13,064	12,738	12,533	2.6	1.6	3.5	13,097	12,837	12,677	9,397	39.4
Defense search and navigation equipment.....	46,391	46,281	46,184	0.2	0.2	-0.3	45,792	46,080	46,423	45,852	-0.1
Electromedical, measuring, and control instruments.....	29,356	29,452	29,396	-0.3	0.2	-0.1	28,670	29,329	29,240	28,618	0.2
Electrical equipment, appliances, and components.....	21,189	21,178	21,559	0.1	-1.8	-1.0	21,184	21,273	21,628	19,634	7.9
Electric lighting equipment.....	1,028	1,044	1,054	-1.5	-0.9	-1.5	1,043	1,070	1,108	1,115	-6.5
Household appliances.....	663	664	705	-0.2	-5.8	0.6	647	637	623	621	4.2
Electrical equipment.....	9,813	9,807	9,896	0.1	-0.9	-1.2	9,895	9,975	10,006	9,414	5.1
Transportation equipment.....	568,552	580,582	570,250	-2.1	1.8	1.1	564,160	577,247	566,986	531,348	6.2
Motor vehicle bodies, parts, and trailers.....	16,550	16,450	16,494	0.6	-0.3	-0.6	15,797	16,042	16,154	16,024	-1.4
Nondefense aircraft and parts.....	398,731	408,206	398,764	-2.3	2.4	0.9	396,460	405,474	394,899	356,755	11.1
Defense aircraft and parts.....	59,968	60,334	60,109	-0.6	0.4	0.8	59,222	60,523	60,624	58,932	0.5
Ships and boats.....	18,501	19,334	19,107	-4.3	1.2	6.6	18,064	19,217	19,421	24,235	-25.5
Furniture and related products.....	6,354	6,370	6,322	-0.3	0.8	1.0	6,208	6,765	6,746	6,018	3.2

<sup>p</sup> Preliminary<sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> 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<sup>1</sup>

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Aug. 12/11
	Aug. 2012 <sup>P</sup>	July 2012 <sup>F</sup>	June 2012	July - Aug.	June - July	May - June	Aug. 2012 <sup>P</sup>	July 2012 <sup>F</sup>	June 2012	Aug. 2011	
All manufacturing industries.....	611,806	608,099	604,221	0.6	0.6	-0.1	615,609	612,070	602,323	596,766	3.2
Excluding transportation.....	499,602	497,523	495,177	0.4	0.5	-0.3	502,122	500,265	493,727	493,688	1.7
Excluding defense.....	585,446	582,051	578,597	0.6	0.6	-0.1	589,348	585,962	576,780	570,431	3.3
With unfilled orders.....	301,631	299,673	297,248	0.7	0.8	0.2	304,699	302,671	296,955	288,841	5.5
Durable goods industries.....	372,216	369,847	366,503	0.6	0.9	0.3	375,813	372,965	365,689	356,787	5.3
Wood products.....	8,954	8,924	8,897	0.3	0.3	1.2	8,914	8,760	8,694	8,543	4.3
Nonmetallic mineral products.....	11,711	11,624	11,571	0.7	0.5	0.0	11,577	11,627	11,688	11,061	4.7
Primary metals.....	34,192	34,096	34,062	0.3	0.1	-1.0	34,421	34,513	34,603	35,536	-3.1
Iron and steel mills.....	19,860	19,850	19,944	0.1	-0.5	-1.8	20,002	20,202	20,485	21,363	-6.4
Aluminum and nonferrous metals.....	12,183	12,102	11,966	0.7	1.1	-0.1	12,300	12,209	11,985	12,220	0.7
Ferrous metal foundries.....	2,149	2,144	2,152	0.2	-0.4	0.8	2,119	2,102	2,133	1,953	8.5
Fabricated metal products.....	45,972	45,892	45,839	0.2	0.1	-0.3	46,318	46,440	46,055	45,443	1.9
Machinery.....	67,115	66,586	65,698	0.8	1.4	0.0	67,640	66,708	65,146	60,877	11.1
Farm machinery.....	3,712	3,691	3,673	0.6	0.5	-0.5	3,548	3,560	3,719	3,310	7.2
Construction machinery.....	6,087	6,047	5,972	0.7	1.3	1.8	6,024	5,973	5,989	5,039	19.5
Mining, oil field, and gas field machinery.....	7,784	7,689	7,617	1.2	0.9	1.4	7,926	7,845	7,661	6,708	18.2
Industrial machinery.....	7,217	7,171	7,230	0.6	-0.8	0.1	7,274	7,064	7,192	7,176	1.4
Photographic equipment.....	1,477	1,478	1,474	-0.1	0.3	1.9	1,513	1,537	1,463	1,471	2.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,073	4,073	4,110	0.0	-0.9	-0.2	4,174	4,187	4,182	4,325	-3.5
Metalworking machinery.....	5,524	5,469	5,366	1.0	1.9	-0.2	5,610	5,505	5,314	4,870	15.2
Turbines, generators, and other power transmission equipment.....	11,196	11,052	10,543	1.3	4.8	-2.0	11,587	11,236	10,106	10,035	15.5
Material handling equipment.....	4,510	4,426	4,326	1.9	2.3	0.4	4,581	4,475	4,353	3,843	19.2
Computers and electronic products <sup>2</sup> .....	46,451	46,453	46,106	0.0	0.8	0.6	47,288	47,001	45,620	46,979	0.7
Computers.....	1,161	1,197	1,188	-3.0	0.8	-1.2	1,233	1,195	1,168	1,347	-8.5
Computer storage devices.....	1,092	1,082	1,081	0.9	0.1	-0.6	1,161	1,117	1,051	1,158	0.3
Other peripheral equipment.....	1,708	1,721	1,650	-0.8	4.3	-5.3	1,782	1,761	1,611	1,736	2.6
Nondefense communications equipment.....	6,957	7,016	7,026	-0.8	-0.1	2.1	7,058	7,042	6,833	6,946	1.6
Defense communications equipment.....	1,591	1,555	1,534	2.3	1.4	1.1	1,591	1,555	1,534	2,380	-33.2
Audio and video equipment.....	656	648	620	1.2	4.5	2.5	727	668	588	671	8.3
Electronic components.....	7,231	7,309	7,296	-1.1	0.2	1.7	7,202	7,432	7,170	6,965	3.4
Nondefense search and navigation equipment.....	3,410	3,373	3,344	1.1	0.9	0.2	3,456	3,371	3,305	3,230	7.0
Defense search and navigation equipment.....	2,722	2,780	2,870	-2.1	-3.1	0.1	2,731	2,829	2,867	2,792	-2.2
Electromedical, measuring and control instruments.....	11,837	11,781	11,712	0.5	0.6	0.7	12,082	11,892	11,584	12,230	-1.2
Electrical equipment, appliances, and components.....	15,489	15,460	15,414	0.2	0.3	-0.3	15,655	15,658	15,471	15,309	2.3
Electric lighting equipment.....	1,791	1,777	1,745	0.8	1.8	0.8	1,814	1,835	1,781	1,655	9.6
Household appliances.....	1,650	1,658	1,662	-0.5	-0.2	-0.6	1,729	1,729	1,665	1,880	-8.0
Electrical equipment.....	4,683	4,668	4,649	0.3	0.4	-1.5	4,677	4,689	4,606	4,625	1.1
Batteries.....	1,066	1,057	1,055	0.9	0.2	0.9	1,101	1,064	1,068	1,052	4.7
Transportation equipment.....	112,204	110,576	109,044	1.5	1.4	0.9	113,487	111,805	108,596	103,078	10.1
Automobiles.....	2,793	2,650	2,687	5.4	-1.4	2.8	2,860	2,778	2,549	2,657	7.6
Light trucks and utility vehicles.....	2,582	2,609	2,502	-1.0	4.3	-3.6	2,743	2,633	2,399	2,652	3.4
Heavy duty trucks.....	2,120	2,052	1,974	3.3	4.0	3.3	2,198	2,115	1,950	2,099	4.7
Motor vehicle bodies, parts, and trailers.....	17,677	17,616	17,433	0.3	1.0	0.5	17,636	17,680	17,178	16,757	5.2
Nondefense aircraft and parts.....	60,274	59,086	58,431	2.0	1.1	1.3	61,156	59,887	58,642	53,301	14.7
Defense aircraft and parts.....	13,629	13,343	13,221	2.1	0.9	0.1	13,715	13,413	13,233	13,048	5.1
Ships and boats.....	3,103	3,066	3,100	1.2	-1.1	3.9	3,048	3,014	3,138	2,771	10.0
Furniture and related products.....	6,136	6,175	6,134	-0.6	0.7	0.2	6,243	6,342	6,293	6,202	0.7
Miscellaneous durable goods.....	23,992	24,061	23,738	-0.3	1.4	0.4	24,270	24,111	23,523	23,759	2.2
Nondurable goods industries.....	239,590	238,252	237,718	0.6	0.2	-0.7	239,796	239,105	236,634	239,979	-0.1
Food products.....	45,079	44,827	44,798	0.6	0.1	-0.3	45,417	44,163	43,356	45,119	0.7
Grain and oilseed milling.....	5,363	5,218	5,133	2.8	1.7	1.7	5,275	5,083	5,007	5,039	4.7
Dairy products.....	5,814	5,785	5,775	0.5	0.2	-2.1	6,000	6,013	5,953	6,242	-3.9
Meat, poultry, and seafood products.....	7,738	7,706	7,681	0.4	0.3	0.5	7,791	7,675	7,513	7,674	1.5
Beverage and tobacco products.....	18,491	18,517	18,489	-0.1	0.2	0.7	17,839	17,938	17,980	16,966	5.1
Beverages.....	14,770	14,791	14,773	-0.1	0.1	0.8	14,321	14,429	14,412	13,464	6.4
Tobacco.....	3,721	3,726	3,716	-0.1	0.3	0.6	3,518	3,509	3,568	3,502	0.5
Textile mills.....	3,387	3,388	3,399	0.0	-0.3	-0.6	3,390	3,403	3,422	3,535	-4.1
Textile products.....	3,146	3,164	3,182	-0.6	-0.6	0.3	3,180	3,186	3,209	3,276	-2.9
Apparel.....	2,309	2,317	2,302	-0.3	0.7	0.9	2,448	2,448	2,338	2,218	10.4
Leather and allied products.....	841	836	838	0.6	-0.2	1.2	867	857	850	825	5.1
Paper products.....	14,168	14,251	14,329	-0.6	-0.5	0.2	14,141	14,215	14,212	14,369	-1.6
Pulp, paper, and paperboard mills.....	6,219	6,293	6,376	-1.2	-1.3	0.5	6,173	6,262	6,280	6,313	-2.2
Paperboard containers.....	4,081	4,064	4,044	0.4	0.5	0.1	4,067	4,035	4,032	4,037	0.7
Printing.....	5,397	5,371	5,412	0.5	-0.8	2.1	5,478	5,430	5,390	5,603	-2.2
Petroleum and coal products.....	53,314	51,676	51,028	3.2	1.3	-2.4	53,184	52,749	51,780	50,892	4.5
Petroleum refineries.....	49,117	47,525	46,903	3.3	1.3	-2.6	48,857	48,496	47,645	47,036	3.9
Chemical products.....	72,078	72,535	72,401	-0.6	0.2	-0.5	72,385	73,121	72,408	75,693	-4.4
Pesticides, fertilizers, and other agricultural chemicals.....	4,153	3,996	3,881	3.9	3.0	3.6	3,758	3,642	3,587	3,616	3.9
Pharmaceuticals and medicines.....	23,797	23,958	23,904	-0.7	0.2	0.5	24,117	24,295	24,284	25,151	-4.1
Paints, coatings, and adhesives.....	2,926	2,945	2,904	-0.6	1.4	0.2	2,943	3,000	2,962	2,991	-1.6
Plastics and rubber products.....	21,380	21,370	21,540	0.0	-0.8	-1.1	21,466	21,595	21,689	21,483	-0.1

<sup>P</sup> Preliminary<sup>F</sup> Revised data due to late receipts and concurrent seasonal adjustment.<sup>1</sup> 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.<sup>2</sup> 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 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<sup>1,2</sup>**

[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 <sup>6</sup> 2012/ 2011
	Monthly			Percent Change			Monthly			Year to date			
	Aug. 2012 <sup>p</sup>	July 2012 <sup>r</sup>	June 2012	July - Aug.	June - July	May - June	Aug. 2012 <sup>p</sup>	July 2012 <sup>r</sup>	June 2012	Aug. 2011	2012 <sup>p</sup>	2011	
<b>SHIPMENTS</b>													
All manufacturing industries.....	476,856	478,169	469,382	-0.3	1.9	-1.2	497,047	458,206	489,974	484,740	3,809,902	3,630,996	4.9
Construction materials and supplies....	40,383	40,412	40,557	-0.1	-0.4	-1.2	44,775	41,825	44,775	44,062	330,593	312,754	5.7
Information technology.....	20,747	21,277	21,891	-2.5	-2.8	-1.9	20,293	19,144	24,444	21,924	169,624	171,746	-1.2
Computers and related products.....	2,701	2,936	2,827	-8.0	3.9	-3.8	2,405	2,474	3,659	2,875	21,370	22,588	-5.4
Motor vehicle and parts.....	43,720	49,279	43,956	-11.3	12.1	-0.6	47,847	35,693	47,031	42,195	346,815	305,441	13.5
Capital goods.....	77,486	78,727	79,374	-1.6	-0.8	0.9	77,724	73,066	86,236	77,154	617,696	580,193	6.5
Nondefense capital goods <sup>3</sup> .....	69,375	70,476	70,713	-1.6	-0.3	0.8	69,646	65,695	76,990	68,582	552,472	508,329	8.7
Excluding aircraft.....	63,319	63,787	64,815	-0.7	-1.6	1.4	63,466	60,235	70,049	63,260	505,594	474,004	6.7
Defense capital goods <sup>4</sup> .....	8,111	8,251	8,661	-1.7	-4.7	1.9	8,078	7,371	9,246	8,572	65,224	71,864	-9.2
Consumer goods.....	208,864	206,004	200,329	1.4	2.8	-1.9	217,255	197,448	203,464	207,253	1,636,427	1,566,987	4.4
Consumer durable goods.....	35,601	37,565	35,907	-5.2	4.6	-0.3	37,907	29,046	38,272	32,756	278,916	245,765	13.5
Consumer nondurable goods.....	173,263	168,439	164,422	2.9	2.4	-2.2	179,348	168,402	165,192	174,497	1,357,511	1,321,222	2.7
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	452,806	477,711	465,739	-5.2	2.6	-0.5	467,865	454,058	478,559	481,165	3,758,783	3,624,706	3.7
Construction materials and supplies....	38,824	41,152	41,028	-5.7	0.3	-1.3	42,332	42,483	44,595	42,967	332,631	317,044	4.9
Information technology.....	21,035	21,587	22,373	-2.6	-3.5	-4.9	19,523	18,807	24,313	21,292	175,154	170,524	2.7
Computers and related products.....	2,756	2,850	2,841	-3.3	0.3	-5.0	2,460	2,388	3,673	2,865	21,377	22,482	-4.9
Motor vehicle and parts.....	43,820	49,235	43,851	-11.0	12.3	-0.7	47,602	35,581	46,595	41,947	345,494	304,922	13.3
Capital goods.....	63,475	86,121	84,619	-26.3	1.8	8.1	60,727	79,035	85,575	81,709	627,959	621,620	1.0
Nondefense capital goods <sup>3</sup> .....	57,414	75,941	72,741	-24.4	4.4	2.4	55,889	71,037	72,997	73,675	563,933	543,007	3.9
Excluding aircraft.....	60,795	60,113	63,667	1.1	-5.6	-2.7	58,514	55,709	66,406	61,719	507,725	496,144	2.3
Defense capital goods <sup>4</sup> .....	6,061	10,180	11,878	-40.5	-14.3	64.3	4,838	7,998	12,578	8,034	64,026	78,613	-18.6
Consumer goods.....	208,886	205,999	200,368	1.4	2.8	-1.8	217,094	197,597	203,156	206,969	1,636,442	1,566,897	4.4
Consumer durable goods.....	35,623	37,560	35,946	-5.2	4.5	-0.2	37,746	29,195	37,964	32,472	278,931	245,675	13.5
Consumer nondurable goods.....	173,263	168,439	164,422	2.9	2.4	-2.2	179,348	168,402	165,192	174,497	1,357,511	1,321,222	2.7
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	978,842	995,852	988,660	-1.7	0.7	0.4	970,872	993,117	987,097	923,406	(X)	(X)	5.1
Construction materials and supplies....	55,743	57,302	56,562	-2.7	1.3	0.8	55,835	58,278	57,620	55,133	(X)	(X)	1.3
Information technology.....	136,261	135,973	135,663	0.2	0.2	0.4	134,574	135,344	135,681	126,734	(X)	(X)	6.2
Computers and related products.....	1,163	1,108	1,194	5.0	-7.2	1.2	1,163	1,108	1,194	1,158	(X)	(X)	0.4
Motor vehicle and parts.....	16,550	16,450	16,494	0.6	-0.3	-0.6	15,797	16,042	16,154	16,024	(X)	(X)	-1.4
Capital goods.....	745,984	759,995	752,601	-1.8	1.0	0.7	739,709	756,706	750,737	695,642	(X)	(X)	6.3
Nondefense capital goods <sup>3</sup> .....	580,376	592,337	586,872	-2.0	0.9	0.3	575,576	589,333	583,991	527,363	(X)	(X)	9.1
Excluding aircraft.....	238,072	240,596	244,270	-1.0	-1.5	-0.5	235,538	240,490	245,016	223,250	(X)	(X)	5.5
Defense capital goods <sup>4</sup> .....	165,608	167,658	165,729	-1.2	1.2	2.0	164,133	167,373	166,746	168,279	(X)	(X)	-2.5
Consumer goods.....	3,934	3,912	3,917	0.6	-0.1	1.0	3,762	3,923	3,774	3,547	(X)	(X)	6.1
Consumer durable goods.....	3,934	3,912	3,917	0.6	-0.1	1.0	3,762	3,923	3,774	3,547	(X)	(X)	6.1
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	611,806	608,099	604,221	0.6	0.6	-0.1	615,609	612,070	602,323	596,766	(X)	(X)	3.2
Construction materials and supplies....	59,086	59,040	58,924	0.1	0.2	0.1	59,418	59,565	58,994	58,392	(X)	(X)	1.8
Information technology.....	39,249	39,263	39,131	0.0	0.3	0.4	40,020	39,642	38,680	40,409	(X)	(X)	-1.0
Computers and related products.....	3,961	4,000	3,919	-1.0	2.1	-2.8	4,176	4,073	3,830	4,241	(X)	(X)	-1.5
Motor vehicle and parts.....	25,172	24,927	24,596	1.0	1.3	0.5	25,437	25,206	24,076	24,165	(X)	(X)	5.3
Capital goods.....	193,796	191,790	189,402	1.0	1.3	0.6	195,978	193,092	188,868	180,580	(X)	(X)	8.5
Nondefense capital goods <sup>3</sup> .....	172,180	170,498	168,506	1.0	1.2	0.7	174,547	171,828	168,065	159,563	(X)	(X)	9.4
Excluding aircraft.....	121,619	121,106	119,605	0.4	1.3	0.3	123,268	121,775	118,724	115,068	(X)	(X)	7.1
Defense capital goods <sup>4</sup> .....	21,616	21,292	20,896	1.5	1.9	0.3	21,431	21,264	20,803	21,017	(X)	(X)	2.0
Consumer goods.....	180,195	178,529	177,716	0.9	0.5	-0.6	180,635	178,949	176,249	177,758	(X)	(X)	1.6
Consumer durable goods.....	25,345	25,253	25,076	0.4	0.7	0.0	25,803	25,433	24,499	25,049	(X)	(X)	3.0
Consumer nondurable goods.....	154,850	153,276	152,640	1.0	0.4	-0.7	154,832	153,516	151,750	152,709	(X)	(X)	1.4

X Not Applicable    <sup>p</sup> Preliminary    <sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> Topical series are regroupings of the separate industry categories.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> Estimates and percent changes exclude semiconductor industry data.

<sup>6</sup> 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 Group<sup>1</sup>

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Aug. 12/11
	Aug. 2012 <sup>P</sup>	July 2012 <sup>r</sup>	June 2012	July - Aug.	June - July	May - June	Aug. 2012 <sup>P</sup>	July 2012 <sup>r</sup>	June 2012	Aug. 2011	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	203,290	202,451	200,686	0.4	0.9	-0.2	203,590	203,876	200,144	195,627	4.1
Durable goods industries.....	120,710	120,210	119,365	0.4	0.7	-0.2	121,418	121,162	118,714	115,411	5.2
Wood products.....	3,632	3,585	3,569	1.3	0.4	1.8	3,609	3,458	3,336	3,268	10.4
Nonmetallic mineral products.....	4,696	4,697	4,702	0.0	-0.1	-1.0	4,693	4,698	4,706	4,483	4.7
Primary metals.....	12,852	12,743	12,730	0.9	0.1	-0.2	12,892	12,789	12,870	13,519	-4.6
Fabricated metal products.....	16,798	16,819	16,739	-0.1	0.5	-1.1	16,963	17,012	16,784	16,619	2.1
Machinery.....	26,084	25,988	25,524	0.4	1.8	0.0	26,407	26,365	25,384	23,598	11.9
Computers and electronic products.....	17,341	17,281	17,323	0.3	-0.2	-0.1	17,446	17,405	17,170	16,784	3.9
Electrical equipment, appliances, and components.....	6,848	6,848	6,846	0.0	0.0	-0.5	6,866	6,925	6,892	6,585	4.3
Transportation equipment.....	21,677	21,411	21,126	1.2	1.3	0.0	21,678	21,608	20,774	19,875	9.1
Furniture and related products.....	2,946	2,981	2,972	-1.2	0.3	1.1	2,968	3,032	3,011	2,980	-0.4
Miscellaneous products.....	7,836	7,857	7,834	-0.3	0.3	-0.9	7,896	7,870	7,787	7,700	2.5
Nondurable goods industries.....	82,580	82,241	81,321	0.4	1.1	-0.2	82,172	82,714	81,430	80,216	2.4
Food products.....	15,222	14,974	14,716	1.7	1.8	0.3	15,055	14,880	14,330	14,856	1.3
Beverage and tobacco products.....	4,942	4,953	4,947	-0.2	0.1	0.4	4,719	4,733	4,816	4,419	6.8
Textiles.....	1,192	1,195	1,195	-0.3	0.0	-0.3	1,203	1,214	1,214	1,262	-4.7
Textile products.....	1,489	1,489	1,521	0.0	-2.1	-0.3	1,504	1,511	1,545	1,476	1.9
Apparel.....	802	754	758	6.4	-0.5	2.4	824	761	755	631	30.6
Leather and allied products.....	270	254	264	6.3	-3.8	-0.8	279	260	267	275	1.5
Paper products.....	6,985	7,070	7,116	-1.2	-0.6	0.5	6,985	6,989	7,005	7,053	-1.0
Printing.....	2,492	2,499	2,525	-0.3	-1.0	1.9	2,507	2,522	2,532	2,655	-5.6
Petroleum and coal products.....	17,745	17,494	17,060	1.4	2.5	1.7	17,547	17,940	17,658	15,286	14.8
Chemical products.....	22,793	22,981	22,506	-0.8	2.1	-1.9	22,831	23,179	22,612	23,730	-3.8
Plastics and rubber products.....	8,648	8,578	8,713	0.8	-1.5	-2.3	8,718	8,725	8,696	8,573	1.7
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	189,162	187,631	186,841	0.8	0.4	0.1	189,826	188,388	186,085	182,342	4.1
Durable goods industries.....	144,601	143,370	141,753	0.9	1.1	0.7	146,214	144,865	141,904	137,965	6.0
Wood products.....	1,518	1,532	1,491	-0.9	2.7	-0.1	1,520	1,527	1,497	1,451	4.8
Nonmetallic mineral products.....	1,378	1,367	1,342	0.8	1.9	1.1	1,358	1,376	1,379	1,270	6.9
Primary metals.....	11,036	11,104	11,107	-0.6	0.0	-1.1	11,308	11,419	11,398	11,605	-2.6
Fabricated metal products.....	13,604	13,486	13,487	0.9	0.0	0.5	13,758	13,574	13,431	12,798	7.5
Machinery.....	16,948	16,744	16,523	1.2	1.3	0.1	17,155	16,749	16,294	15,892	7.9
Computers and electronic products.....	15,845	16,067	16,019	-1.4	0.3	0.8	16,118	16,361	15,981	17,862	-9.8
Electrical equipment, appliances, and components.....	3,566	3,567	3,565	0.0	0.1	-0.3	3,648	3,622	3,575	3,599	1.4
Transportation equipment.....	76,311	75,064	73,865	1.7	1.6	1.3	76,899	75,746	73,952	69,234	11.1
Furniture and related products.....	1,019	1,037	1,024	-1.7	1.3	-2.1	1,027	1,055	1,038	1,009	1.8
Miscellaneous products.....	3,376	3,402	3,330	-0.8	2.2	-0.5	3,423	3,436	3,359	3,245	5.5
Nondurable goods industries.....	44,561	44,261	45,088	0.7	-1.8	-1.6	43,612	43,523	44,181	44,377	-1.7
Food products.....	4,175	4,104	4,033	1.7	1.8	0.0	3,696	3,511	3,506	3,360	10.0
Beverage and tobacco products.....	5,888	5,882	5,839	0.1	0.7	-0.2	5,314	5,335	5,438	5,183	2.5
Textiles.....	772	759	762	1.7	-0.4	-1.2	782	767	763	815	-4.0
Textile products.....	415	421	413	-1.4	1.9	-0.2	418	420	408	456	-8.3
Apparel.....	382	384	376	-0.5	2.1	0.8	409	417	396	407	0.5
Leather and allied products.....	111	124	124	-10.5	0.0	1.6	108	124	120	114	-5.3
Paper products.....	1,243	1,249	1,279	-0.5	-2.3	-1.7	1,261	1,264	1,285	1,367	-7.8
Printing.....	1,250	1,235	1,231	1.2	0.3	2.1	1,321	1,250	1,153	1,398	-5.5
Petroleum and coal products.....	13,124	12,608	13,302	4.1	-5.2	-6.2	13,071	12,833	13,282	13,772	-5.1
Chemical products.....	14,870	15,153	15,429	-1.9	-1.8	1.1	14,899	15,262	15,558	15,306	-2.7
Plastics and rubber products.....	2,331	2,342	2,300	-0.5	1.8	-0.5	2,333	2,340	2,272	2,199	6.1
<b>FINISHED GOODS</b>											
All manufacturing industries.....	219,354	218,017	216,694	0.6	0.6	-0.3	222,193	219,806	216,094	218,797	1.6
Durable goods industries.....	106,905	106,267	105,385	0.6	0.8	0.2	108,181	106,938	105,071	103,411	4.6
Wood products.....	3,804	3,807	3,837	-0.1	-0.8	1.2	3,785	3,775	3,861	3,824	-1.0
Nonmetallic mineral products.....	5,637	5,560	5,527	1.4	0.6	0.6	5,526	5,553	5,603	5,308	4.1
Primary metals.....	10,304	10,249	10,225	0.5	0.2	-2.0	10,221	10,305	10,335	10,412	-1.8
Fabricated metal products.....	15,570	15,587	15,613	-0.1	-0.2	0.0	15,597	15,854	15,840	16,026	-2.7
Machinery.....	24,083	23,854	23,651	1.0	0.9	0.0	24,078	23,594	23,468	21,387	12.6
Computers and electronic products.....	13,265	13,105	12,764	1.2	2.7	1.3	13,724	13,235	12,469	12,333	11.3
Electrical equipment, appliances, and components.....	5,075	5,045	5,003	0.6	0.8	-0.1	5,141	5,111	5,004	5,125	0.3
Transportation equipment.....	14,216	14,101	14,053	0.8	0.3	0.2	14,910	14,451	13,870	13,969	6.7
Furniture and related products.....	2,171	2,157	2,138	0.6	0.9	0.1	2,248	2,255	2,244	2,213	1.6
Miscellaneous products.....	12,780	12,802	12,574	-0.2	1.8	1.5	12,951	12,805	12,377	12,814	1.1
Nondurable goods industries.....	112,449	111,750	111,309	0.6	0.4	-0.7	114,012	112,868	111,023	115,386	-1.2
Food products.....	25,682	25,749	26,049	-0.3	-1.2	-0.7	26,666	25,772	25,520	26,903	-0.9
Beverage and tobacco products.....	7,661	7,682	7,703	-0.3	-0.3	1.7	7,806	7,870	7,726	7,364	6.0
Textiles.....	1,423	1,434	1,442	-0.8	-0.6	-0.5	1,405	1,422	1,445	1,458	-3.6
Textile products.....	1,242	1,254	1,248	-1.0	0.5	1.3	1,258	1,255	1,256	1,344	-6.4
Apparel.....	1,125	1,179	1,168	-4.6	0.9	0.0	1,216	1,270	1,187	1,180	3.1
Leather and allied products.....	460	458	450	0.4	1.8	2.3	480	473	463	436	10.1
Paper products.....	5,940	5,932	5,934	0.1	0.0	0.3	5,895	5,962	5,922	5,949	-0.9
Printing.....	1,655	1,637	1,656	1.1	-1.1	2.3	1,650	1,658	1,705	1,550	6.5
Petroleum and coal products.....	22,445	21,574	20,666	4.0	4.4	-3.0	22,566	21,976	20,840	21,834	3.4
Chemical products.....	34,415	34,401	34,466	0.0	-0.2	-0.4	34,655	34,680	34,238	36,657	-5.5
Plastics and rubber products.....	10,401	10,450	10,527	-0.5	-0.7	-0.2	10,415	10,530	10,721	10,711	-2.8

<sup>P</sup> Preliminary<sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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 Group<sup>3</sup>**

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>1</sup>			
	Aug 2012 <sup>P</sup>	Jul 2012 <sup>r</sup>	Jun 2012	May 2012	Aug 2012 <sup>P</sup>	Jul 2012 <sup>r</sup>	Jun 2012	May 2012
All manufacturing industries <sup>2</sup> .....	1.28	1.27	1.29	1.27	(X)	(X)	(X)	(X)
Durable goods industries <sup>2</sup> .....	1.67	1.61	1.63	1.62	6.27	6.23	6.28	6.24
Wood products.....	1.46	1.46	1.46	1.44	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.45	1.44	1.44	1.42	(X)	(X)	(X)	(X)
Primary metals.....	1.22	1.21	1.22	1.21	1.14	1.17	1.19	1.21
Fabricated metal products.....	1.69	1.69	1.68	1.67	3.17	3.16	3.12	3.09
Machinery.....	2.05	2.03	1.97	2.06	4.25	4.42	4.48	4.77
Computers and electronic products <sup>2</sup> .....	1.70	1.63	1.59	1.58	7.68	7.56	7.21	7.00
Electrical equipment, appliances, and components.....	1.56	1.55	1.54	1.54	2.38	2.36	2.39	2.40
Transportation equipment.....	1.75	1.59	1.70	1.66	14.65	13.79	14.77	14.36
Furniture and related products.....	1.14	1.16	1.15	1.15	1.36	1.38	1.38	1.36
Miscellaneous products.....	1.76	1.77	1.74	1.72	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.94	0.96	0.97	0.96	(X)	(X)	(X)	(X)
Food products.....	0.74	0.74	0.74	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.43	1.46	1.51	1.41	(X)	(X)	(X)	(X)
Textiles.....	1.37	1.37	1.39	1.37	(X)	(X)	(X)	(X)
Textile products.....	1.58	1.62	1.65	1.62	(X)	(X)	(X)	(X)
Apparel.....	1.79	1.79	1.85	1.86	(X)	(X)	(X)	(X)
Leather and allied products.....	1.91	1.87	1.85	1.71	(X)	(X)	(X)	(X)
Paper products.....	1.02	1.03	1.03	1.03	(X)	(X)	(X)	(X)
Printing.....	0.81	0.81	0.82	0.75	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.71	0.74	0.76	0.75	(X)	(X)	(X)	(X)
Chemical products.....	1.16	1.17	1.19	1.16	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.25	1.24	1.25	1.25	(X)	(X)	(X)	(X)

X Not Applicable    <sup>P</sup> Preliminary    <sup>r</sup> Revised data due to late receipts and concurrent seasonal adjustment.

<sup>1</sup> 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.

<sup>2</sup> Unfilled orders to shipments ratio excludes semiconductor manufacturing.



**Table 8. Revisions to Previously Published Monthly Percent Changes<sup>3</sup>****[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]**

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Aug <sup>1</sup>	Aug <sup>2</sup>	Aug <sup>1</sup>	Aug <sup>2</sup>	Aug <sup>1</sup>	Aug <sup>2</sup>	Aug <sup>1</sup>	Aug <sup>2</sup>
	2012	2011- Jul 2012	2012	2011- Jul 2012	2012	2011- Jul 2012	2012	2011- Jul 2012
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
Durable goods industries.....	0.1	0.2	0.0	0.4	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Nonmetallic mineral products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.0	0.8	-0.4	1.5	0.1	0.7	0.0	0.6
Fabricated metal products.....	0.1	0.3	0.0	0.7	0.0	0.2	0.1	0.2
Machinery.....	0.1	0.8	-0.3	1.5	0.0	0.3	0.1	0.2
Computers and electronic products.....	0.2	0.8	0.0	1.1	0.0	0.2	-0.1	0.1
Electrical equipment, appliances, and components.....	-0.1	0.4	0.0	1.2	0.1	0.6	0.4	0.4
Transportation equipment.....	0.0	0.4	0.0	1.2	0.0	0.1	0.1	0.2
Furniture and related products.....	(X)	0.4	(X)	0.8	(X)	0.7	(X)	0.3
Miscellaneous products.....	(X)	0.7	(X)	0.7	(X)	0.5	(X)	0.4
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.7
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.5
Chemical products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable

NA Not Available

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

<sup>2</sup> 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.

<sup>3</sup> 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>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders Survey