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Full Report on Manufacturers' Shipments, Inventories and Orders August/September 2013

Summary

New orders for manufactured goods in September, up following two consecutive monthly decreases, increased \$8.1 billion or 1.7 percent to \$490.8 billion, the U.S. Census Bureau reported today. This followed a 0.1 percent August decrease. Excluding transportation, new orders decreased 0.2 percent.

Shipments, up four of the last five months, increased \$0.3 billion or 0.1 percent to \$488.9 billion. This followed a 0.2 percent August increase.

Unfilled orders, up seven of the last eight months, increased \$8.8 billion or 0.9 percent to \$1,041.7 billion. This was at the highest level since the series was first published on a NAICS basis in 1992, and followed a 0.1 percent August increase. The unfilled orders-to-shipments ratio was 6.39, up from 6.36 in August.

Inventories, up nine of the last ten months, increased \$2.7 billion or 0.4 percent to \$634.0 billion. This was at the highest level since the series was first published on a NAICS basis and followed a 0.2 percent August increase. The inventories-to-shipments ratio was 1.30, up from 1.29 in August.

New Orders

New orders for manufactured durable goods in September, up five of the last six months, increased \$8.6 billion or 3.8 percent to \$234.3 billion, revised from the previously published 3.7 percent increase. This followed a 0.5 percent August increase.

Transportation equipment, also up five of the last six months, drove the increase, up \$8.8 billion or 12.9 percent to \$77.5 billion.

New orders for manufactured nondurable goods decreased \$0.5 billion or 0.2 percent to \$256.5 billion.

Shipments

Shipments of manufactured durable goods in September, up two consecutive months, increased \$0.8 billion or 0.4 percent to \$232.4 billion, revised from the previously published 0.2 percent increase. This was at the highest level since the series was first published on a NAICS basis and followed a 1.0 percent August increase.

Computers and electronic products, up three of the last

four months, led the increase, up \$0.2 billion or 0.9 percent to \$28.0 billion.

Shipments of manufactured nondurable goods, down three of the last four months, decreased \$0.5 billion or 0.2 percent to \$256.5 billion. This followed a 0.6 percent August decrease. Petroleum and coal products, down two consecutive months, drove the decrease, down \$1.0 billion or 1.3 percent to \$72.6 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in September, up seven of the last eight months, increased \$8.8 billion or 0.9 percent to \$1,041.7 billion, revised from the previously published 0.8 percent increase. This was at the highest level since the series was first published on a NAICS basis and followed a 0.1 percent August increase.

Transportation equipment, up following two consecutive monthly decreases, led the increase, up \$7.5 billion or 1.2 percent to \$642.3 billion.

Inventories

Inventories of manufactured durable goods in September, up five of the last six months, increased \$3.1 billion or 0.8 percent to \$382.3 billion, revised from the previously published 0.9 percent increase. This was at the highest level since the series was first published on a NAICS basis and followed a 0.1 percent August increase.

Transportation equipment, up sixteen of the last seventeen months, led the increase, up \$1.7 billion or 1.4 percent to \$118.9 billion.

Inventories of manufactured nondurable goods, down following three consecutive monthly increases, decreased \$0.4 billion or 0.2 percent to \$251.7 billion. This followed a 0.4 percent August increase. Petroleum and coal products, down following four consecutive monthly increases, led the decrease, down \$0.3 billion or 0.5 percent to \$49.7 billion.

By stage of fabrication, September materials and supplies increased 0.1 percent in durable goods and 0.2 percent in nondurable goods. Work in process increased 1.2 percent in durable goods and 0.1 percent in nondurable goods. Finished goods increased 1.1 percent in durable goods and decreased 0.5 percent in nondurable goods.

SPECIAL NOTICE: Due to the lapse in federal funding, the August 2013 Full Report was not released on October 3, 2013. For durable and nondurable goods industries, this combined August/September 2013 Full Report includes the most recent estimates for September, August and July 2013. 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 October is scheduled for release on November 27, 2013, at 8:30 a.m. EST and the Full Report on December 5, 2013, at 10:00 a.m. EST. 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.

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		
	Sept. 2013 ^p	Aug. 2013 ^f	July 2013	Aug. - Sept.	July - Aug.	June - July	Sept. 2013 ^p	Aug. 2013 ^f	July 2013	Sept. 2012	2013 ^p	2012	% Change 2013/2012
All manufacturing industries.....	488,929	488,582	487,829	0.1	0.2	1.1	499,036	504,328	475,206	487,011	4,371,062	4,299,403	1.7
Excluding transportation.....	418,906	418,768	419,111	0.0	-0.1	1.4	425,877	432,161	418,738	420,287	3,762,583	3,733,332	0.8
Excluding defense.....	476,511	476,044	476,132	0.1	0.0	1.3	485,235	491,867	465,033	473,345	4,262,950	4,191,061	1.7
With unfilled orders.....	162,897	162,296	160,721	0.4	1.0	-0.4	169,853	166,304	150,761	163,155	1,446,741	1,425,037	1.5
Durable goods industries.....	232,422	231,596	229,401	0.4	1.0	-0.1	241,490	238,133	214,826	227,995	2,062,352	2,000,544	3.1
Wood products.....	7,307	7,284	7,211	0.3	1.0	0.4	7,526	7,750	7,536	6,492	65,870	57,325	14.9
Nonmetallic mineral products.....	8,733	8,665	8,522	0.8	1.7	0.2	9,119	9,713	9,017	8,174	76,332	72,489	5.3
Primary metals.....	25,813	25,608	25,436	0.8	0.7	2.0	25,666	26,465	24,965	24,311	229,594	231,357	-0.8
Iron and steel mills.....	10,782	10,766	10,704	0.1	0.6	3.1	10,519	11,063	10,366	10,645	96,252	108,187	-11.0
Aluminum and nonferrous metals.....	13,380	13,181	13,114	1.5	0.5	1.9	13,476	13,715	13,065	11,935	117,902	107,016	10.2
Ferrous metal foundries.....	1,651	1,661	1,618	-0.6	2.7	-4.0	1,671	1,687	1,534	1,731	15,440	16,154	-4.4
Fabricated metal products.....	28,898	28,892	28,964	0.0	-0.2	0.4	29,895	30,732	28,643	29,031	262,060	259,058	1.2
Machinery.....	33,854	33,753	33,577	0.3	0.5	-1.6	34,515	33,850	32,837	33,390	308,315	298,556	3.3
Farm machinery.....	1,617	1,684	1,888	-4.0	-10.8	-4.7	1,373	1,383	1,908	1,459	19,009	20,256	-6.2
Construction machinery.....	4,113	4,168	4,327	-1.3	-3.7	-10.2	4,227	4,268	4,352	5,223	41,255	37,891	8.9
Mining, oil field, and gas field machinery.....	2,214	2,196	2,142	0.8	2.5	2.3	2,268	2,176	2,083	2,334	19,261	20,523	-6.1
Industrial machinery.....	4,014	4,136	3,768	-2.9	9.8	7.4	4,502	4,006	3,515	3,776	33,283	29,526	12.7
Photographic equipment.....	685	666	686	2.9	-2.9	2.8	733	698	630	702	5,877	6,066	-3.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,665	3,598	3,667	1.9	-1.9	2.6	3,827	3,908	4,037	3,590	33,687	32,600	3.3
Metalworking machinery.....	3,200	3,152	3,048	1.5	3.4	4.1	3,286	3,256	2,971	2,810	26,861	24,320	10.4
Turbines, generators, and other power transmission equipment.....	3,887	3,807	3,658	2.1	4.1	-13.0	3,811	3,837	3,556	3,661	35,813	36,379	-1.6
Material handling equipment.....	2,940	2,903	2,882	1.3	0.7	3.3	2,949	3,050	2,775	2,616	25,198	23,436	7.5
Computers and electronic products ²	27,976	27,738	27,238	0.9	1.8	-1.1	30,844	26,882	26,494	30,281	245,761	254,324	-3.4
Computers.....	520	535	436	-2.8	22.7	-6.2	650	493	360	826	4,645	6,468	-28.2
Computer storage devices.....	1,052	941	773	11.8	21.7	-30.9	1,593	749	559	1,445	8,638	8,434	2.4
Other peripheral equipment.....	851	856	808	-0.6	5.9	-0.2	1,149	766	563	1,012	6,947	6,980	-0.5
Nondefense communications equipment.....	3,582	3,604	3,534	-0.6	2.0	-1.6	4,169	3,465	3,073	3,821	31,448	29,007	8.4
Defense communications equipment.....	436	429	422	1.6	1.7	-1.6	479	430	372	458	4,827	4,225	-9.2
Audio and video equipment.....	266	305	290	-12.8	5.2	24.5	241	264	245	253	2,079	1,955	6.3
Electronic components.....	3,405	3,416	3,601	-0.3	-5.1	4.1	3,554	3,533	3,467	3,668	30,968	31,992	-3.2
Nondefense search and navigation equipment.....	1,311	1,338	1,260	-2.0	6.2	-3.5	1,505	1,323	1,147	1,481	11,651	12,077	-3.5
Defense search and navigation equipment.....	2,882	2,809	2,827	2.6	-0.6	-3.7	3,196	2,677	2,508	3,373	25,463	26,981	-5.6
Electromedical, measuring, and control instruments.....	6,384	6,262	6,122	1.9	2.3	-1.2	7,216	5,841	5,493	6,676	55,809	59,767	-6.6
Electrical equipment, appliances, and components.....	10,065	10,141	10,298	-0.7	-1.5	-0.1	10,529	10,518	9,895	10,524	92,552	93,004	-0.5
Electric lighting equipment.....	801	813	811	-1.5	0.2	3.2	814	839	815	804	7,263	8,129	-10.7
Household appliances.....	1,670	1,694	1,690	-1.4	0.2	3.1	1,718	1,744	1,593	1,632	14,878	13,926	6.8
Electrical equipment.....	3,354	3,342	3,298	0.4	1.3	-0.5	3,709	3,463	3,153	3,580	30,530	31,060	-1.7
Batteries.....	954	935	950	2.0	-1.6	-3.9	1,039	979	865	1,037	8,325	8,354	-0.3
Transportation equipment.....	70,023	69,814	68,718	0.3	1.6	-0.2	73,159	72,167	56,468	66,724	608,479	566,071	7.5
Automobiles.....	10,975	10,771	10,057	1.9	7.1	-3.6	10,909	11,166	8,076	8,886	94,496	77,912	21.3
Light trucks and utility vehicles.....	12,845	12,908	13,446	-0.5	-4.0	7.3	13,638	13,986	9,691	11,947	112,956	101,509	11.3
Heavy duty trucks.....	2,209	2,303	2,341	-4.1	-1.6	3.1	2,216	2,380	2,259	2,205	20,338	22,552	-9.8
Motor vehicle bodies, parts, and trailers.....	19,885	19,847	19,165	0.2	3.6	-2.1	20,005	21,072	16,644	17,861	175,022	166,260	5.3
Nondefense aircraft and parts.....	11,981	11,527	12,133	3.9	-5.0	1.1	12,822	11,035	10,057	12,265	98,026	90,132	8.8
Defense aircraft and parts.....	4,830	4,864	4,396	-0.7	10.6	-4.7	5,499	4,899	3,586	5,398	41,722	42,284	-1.3
Ships and boats.....	2,427	2,439	2,453	-0.5	-0.6	-2.1	2,489	2,438	2,269	2,378	21,863	21,889	-0.1
Furniture and related products.....	5,686	5,656	5,616	0.5	0.7	0.3	5,787	6,145	5,645	5,490	50,575	48,738	3.8
Miscellaneous durable goods.....	14,067	14,045	13,821	0.2	1.6	0.7	14,450	13,911	13,326	13,578	122,814	119,622	2.7
Nondurable goods industries.....	256,507	256,986	258,428	-0.2	-0.6	2.3	257,546	266,195	260,380	259,016	2,308,710	2,298,859	0.4
Food products.....	62,083	62,109	62,350	0.0	-0.4	0.9	63,148	62,947	60,358	62,246	551,829	536,866	2.8
Grain and oilseed milling.....	7,807	7,905	8,047	-1.2	-1.8	0.2	7,780	8,211	7,853	8,328	71,467	71,084	0.5
Dairy products.....	8,550	8,504	8,526	0.5	-0.3	-0.5	8,666	8,699	8,512	8,439	76,050	75,110	1.3
Meat, poultry, and seafood products.....	18,531	18,242	17,980	1.6	1.5	1.0	18,625	18,610	17,713	17,921	161,032	158,751	1.4
Beverage and tobacco products.....	12,337	12,116	12,320	1.8	-1.7	3.4	12,409	12,560	12,508	11,508	108,048	106,748	1.2
Beverages.....	9,128	8,683	8,778	5.1	-1.1	0.7	9,200	9,127	8,966	8,490	78,583	77,424	1.5
Tobacco.....	3,209	3,433	3,542	-6.5	-3.1	10.8	3,209	3,433	3,542	3,018	29,465	29,324	0.5
Textile mills.....	2,683	2,656	2,656	1.0	0.0	1.7	2,753	2,815	2,589	2,583	23,984	23,589	1.7
Textile products.....	2,107	2,069	2,074	1.8	-0.2	0.8	2,098	2,176	2,097	1,933	18,746	17,650	6.2
Apparel.....	1,139	1,120	1,113	1.7	0.6	0.3	1,201	1,241	1,123	1,145	9,768	9,560	2.2
Leather and allied products.....	468	470	475	-0.4	-1.1	0.6	494	478	472	490	4,335	4,304	0.7
Paper products.....	14,383	14,370	14,314	0.1	0.4	0.3	14,603	14,853	14,613	14,494	128,792	131,204	-1.8
Pulp, paper, and paperboard mills.....	6,716	6,715	6,693	0.0	0.3	0.8	6,810	6,953	6,844	6,776	60,280	61,114	-1.4
Paperboard containers.....	4,426	4,417	4,388	0.2	0.7	-0.4	4,463	4,566	4,563	4,235	39,245	38,802	1.1
Printing.....	6,308	6,359	6,447	-0.8	-1.4	1.3	6,527	6,532	6,082	6,909	58,081	60,018	-3.2
Petroleum and coal products.....	72,648	73,612	74,402	-1.3	-1.1	6.4	72,271	78,554	77,598	77,501	657,886	662,949	-0.8
Petroleum refineries.....	69,061	70,096	70,916	-1.5	-1.2	6.7	68,288	74,339	73,554	73,718	625,439	629,425	-0.6
Chemical products.....	63,647	63,505	63,942	0.2	-0.7	0.3	63,330	64,572	64,327	62,527	579,207	582,640	-0.6
Pesticides, fertilizers, and other agricultural chemicals.....	2,673	2,578	2,611	3.7	-1.3	-2.8	2,270	2,160	2,061	2,692	25,499	28,926	-11.8
Pharmaceuticals and medicines.....	15,926	15,647	15,562	1.8	0.5	1.3	15,767	15,614	15,776	14,398	138,714	140,067	-1.0
Paints, coatings, and adhesives.....	3,024	3,055	3,080	-1.0	-0.8	3.4	3,017	3,290	3,317	2,870	28,335	27,979	1.3
Plastics and rubber products.....	18,704	18,600	18,335	0.6	1.4	-0.4	18,712	19,467	18,613	17,680	168,234	163,331	3.0

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

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

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

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Sept. 2013 ^p	Aug. 2013 ^f	July 2013	Aug. - Sept.	July - Aug.	June - July	Sept. 2013 ^p	Aug. 2013 ^f	July 2013	Sept. 2012	2013 ^p	2012	% Change 2013/2012
All manufacturing industries ²	490,760	482,672	483,048	1.7	-0.1	-2.8	500,684	488,949	466,646	480,731	4,349,767	4,248,441	2.4
Excluding transportation ²	413,256	414,011	415,606	-0.2	-0.4	1.2	418,023	422,820	411,612	409,341	3,723,802	3,668,551	1.5
Excluding defense ²	478,240	471,879	471,470	1.3	0.1	-2.4	486,297	480,246	458,582	466,502	4,255,563	4,138,438	2.8
With unfilled orders ²	171,685	163,256	162,799	5.2	0.3	-11.0	178,205	157,869	150,641	163,796	1,487,026	1,437,962	3.4
Durable goods industries ²	234,253	225,686	224,620	3.8	0.5	-8.1	243,138	222,754	206,266	221,715	2,041,057	1,949,582	4.7
Primary metals.....	26,260	25,525	25,499	2.9	0.1	-0.1	25,340	25,721	24,903	23,422	231,942	225,102	3.0
Iron and steel mills.....	11,199	10,652	10,576	5.1	0.7	-0.7	10,416	10,449	10,251	10,113	97,618	104,187	-6.3
Aluminum and nonferrous metals.....	13,446	13,240	13,203	1.6	0.3	0.5	13,407	13,591	13,020	11,767	119,018	104,804	13.6
Ferrous metal foundries.....	1,615	1,633	1,720	-1.1	-5.1	-1.1	1,517	1,681	1,632	1,542	15,306	16,111	-5.0
Fabricated metal products.....	29,892	30,267	30,129	-1.2	0.5	1.3	29,506	30,798	28,606	28,546	272,347	264,333	3.0
Machinery.....	34,027	34,940	34,681	-2.6	0.7	-0.6	34,172	33,863	33,876	30,237	312,973	291,909	7.2
Construction machinery.....	4,570	4,736	4,214	-3.5	12.4	-9.5	4,438	4,507	3,919	4,099	41,433	34,178	21.2
Mining, oil field, and gas field machinery.....	2,087	2,714	2,234	-23.1	21.5	-23.0	2,219	2,521	2,296	2,125	21,187	19,524	8.5
Industrial machinery.....	4,069	3,972	3,904	2.4	1.7	0.7	4,386	3,689	3,823	3,375	33,785	29,195	15.7
Photographic equipment.....	608	726	821	-16.3	-11.6	28.7	630	735	821	761	6,465	6,639	-2.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,832	3,689	3,536	3.9	4.3	2.4	3,895	3,758	3,917	3,393	33,563	32,520	3.2
Metalworking machinery.....	3,195	3,089	3,171	3.4	-2.6	6.2	3,266	3,118	3,066	2,777	26,827	24,049	11.6
Turbines, generators, and other power transmission equipment.....	3,941	4,191	4,299	-6.0	-2.5	2.7	3,901	4,087	4,175	3,051	37,152	35,110	5.8
Material handling equipment.....	2,532	2,653	2,843	-4.6	-6.7	-1.9	2,634	2,729	2,581	2,504	25,569	23,979	6.6
Computers and electronic products ²	20,802	20,470	21,460	1.6	-4.6	-2.8	24,576	18,824	18,555	24,395	188,443	196,647	-4.2
Computers.....	510	456	455	11.8	0.2	12.1	640	414	379	889	4,753	6,587	-27.8
Nondefense communications equipment.....	3,829	3,630	3,793	5.5	-4.3	-9.0	4,746	3,458	3,066	4,339	35,531	32,342	9.9
Defense communications equipment.....	398	384	401	3.6	-4.2	1.8	509	334	311	499	3,390	3,887	-12.8
Electronic components.....	3,259	3,249	3,735	0.3	-13.0	10.2	3,283	3,442	3,681	3,613	31,085	32,073	-3.1
Nondefense search and navigation equipment.....	1,545	1,685	1,665	-8.3	1.2	-1.2	1,770	1,577	1,560	1,853	14,633	15,475	-5.4
Defense search and navigation equipment.....	2,546	2,317	3,036	9.9	-23.7	-3.6	2,836	1,984	2,451	3,039	22,414	26,571	-15.6
Electromedical, measuring, and control instruments.....	6,216	6,274	6,198	-0.9	1.2	-3.6	7,421	5,439	5,473	7,106	56,277	59,792	-5.9
Electrical equipment, appliances, and components.....	10,044	10,135	10,172	-0.9	-0.4	-4.9	10,089	10,364	9,734	9,946	93,456	93,017	0.5
Electric lighting equipment.....	791	796	810	-0.6	-1.7	6.6	844	828	766	841	7,308	8,204	-10.9
Household appliances.....	1,698	1,681	1,684	1.0	-0.2	-1.2	1,747	1,736	1,624	1,652	14,949	13,854	7.9
Electrical equipment.....	3,415	3,436	3,373	-0.6	1.9	1.4	3,452	3,450	3,220	3,245	30,902	31,349	-1.4
Transportation equipment.....	77,504	68,661	67,442	12.9	1.8	-21.9	82,661	66,129	55,034	71,390	625,965	579,890	7.9
Motor vehicle bodies, parts, and trailers.....	19,787	19,929	19,119	-0.7	4.2	-2.1	19,801	21,054	16,355	17,682	174,380	164,682	5.9
Nondefense aircraft and parts.....	18,897	11,980	11,371	57.7	5.4	-58.9	21,306	8,449	10,838	16,454	129,632	105,838	22.5
Defense aircraft and parts.....	5,168	4,456	5,066	16.0	-12.0	-3.3	6,286	3,268	3,835	6,770	35,016	43,337	-19.2
Ships and boats.....	2,505	1,942	1,957	29.0	-0.8	-38.0	2,497	1,636	1,409	1,884	17,575	20,817	-15.6
Furniture and related products.....	5,623	5,704	5,690	-1.4	0.2	0.7	5,705	5,691	5,686	5,542	50,949	49,312	3.3
Nondurable goods industries.....	256,507	256,986	258,428	-0.2	-0.6	2.3	257,546	266,195	260,380	259,016	2,308,710	2,298,859	0.4

^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				% Change Sept. 2013/ 2012
	Monthly			Percent Change			Monthly				
	Sept. 2013 ^p	Aug. 2013 ^r	July 2013	Aug. - Sept.	July - Aug.	June - July	Sept. 2013 ^p	Aug. 2013 ^r	July 2013	Sept. 2012	
All manufacturing industries ²	1,041,703	1,032,915	1,031,955	0.9	0.1	0.2	1,031,149	1,022,797	1,031,232	967,899	6.5
Excluding transportation ²	399,399	398,092	395,979	0.3	0.5	0.9	394,134	395,284	397,681	376,275	4.7
Excluding defense ²	842,900	834,214	831,509	1.0	0.3	0.3	834,703	826,937	831,614	767,083	8.8
Durable goods industries ²	1,041,703	1,032,915	1,031,955	0.9	0.1	0.2	1,031,149	1,022,797	1,031,232	967,899	6.5
Primary metals.....	35,971	35,524	35,607	1.3	-0.2	0.2	34,475	34,801	35,545	31,702	8.7
Iron and steel mills.....	18,061	17,644	17,758	2.4	-0.6	-0.7	17,065	17,168	17,782	15,094	13.1
Aluminum and nonferrous metals.....	13,812	13,746	13,687	0.5	0.4	0.7	13,431	13,500	13,624	12,409	8.2
Ferrous metal foundries.....	4,098	4,134	4,162	-0.9	-0.7	2.5	3,979	4,133	4,139	4,199	-5.2
Fabricated metal products.....	91,142	90,148	88,773	1.1	1.5	1.3	89,239	89,628	89,562	78,878	13.1
Machinery.....	107,554	107,381	106,194	0.2	1.1	1.1	106,448	106,791	106,778	107,799	-1.3
Construction machinery.....	10,837	10,380	9,812	4.4	5.8	-1.1	10,119	9,908	9,669	12,894	-21.5
Mining, oil field, and gas field machinery.....	14,157	14,284	13,766	-0.9	3.8	0.7	14,246	14,295	13,950	12,206	16.7
Industrial machinery.....	7,877	7,822	7,986	0.7	-2.1	1.7	7,831	7,947	8,264	8,284	-5.5
Photographic equipment.....	3,818	3,895	3,835	-2.0	1.6	3.6	3,896	3,999	3,962	3,471	12.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,202	5,035	4,944	3.3	1.8	-2.6	5,087	5,019	5,169	5,268	-3.4
Metalworking machinery.....	5,964	5,969	6,032	-0.1	-1.0	2.1	5,847	5,867	6,005	6,018	-2.8
Turbines, generators, and other power transmission equipment.....	27,025	26,971	26,587	0.2	1.4	2.5	26,885	26,795	26,545	25,917	3.7
Material handling equipment.....	10,322	10,730	10,980	-3.8	-2.3	-0.4	10,351	10,666	10,987	10,415	-0.6
Computers and electronic products ²	135,174	135,391	135,789	-0.2	-0.3	0.8	134,924	134,488	135,602	129,625	4.1
Computers.....	3,335	3,345	3,424	-0.3	-2.3	0.6	3,335	3,345	3,424	2,862	16.5
Nondefense communications equipment.....	29,949	29,702	29,676	0.8	0.1	0.9	30,039	29,462	29,469	25,096	19.7
Defense communications equipment.....	4,024	4,062	4,107	-0.9	-1.1	-0.5	4,027	3,997	4,093	4,440	-9.3
Electronic components.....	12,678	12,824	12,991	-1.1	-1.3	1.0	12,642	12,913	13,004	12,345	2.4
Nondefense search and navigation equipment.....	17,146	16,912	16,565	1.4	2.1	2.5	17,202	16,937	16,683	13,531	27.1
Defense search and navigation equipment.....	42,504	42,840	43,332	-0.8	-1.1	0.5	42,122	42,482	43,175	45,695	-7.8
Electromedical, measuring, and control instruments.....	25,538	25,706	25,694	-0.7	0.0	0.3	25,557	25,352	25,754	25,656	-0.4
Electrical equipment, appliances, and components.....	22,244	22,265	22,271	-0.1	0.0	-0.6	21,878	22,318	22,472	21,046	4.0
Electric lighting equipment.....	1,181	1,191	1,208	-0.8	-1.4	-0.1	1,227	1,197	1,208	1,203	2.0
Household appliances.....	771	743	756	3.8	-1.7	-0.8	742	713	721	608	22.0
Electrical equipment.....	11,446	11,385	11,291	0.5	0.8	0.7	11,194	11,451	11,464	10,579	5.8
Transportation equipment.....	642,304	634,823	635,976	1.2	-0.2	-0.2	637,015	627,513	633,551	591,624	7.7
Motor vehicle bodies, parts, and trailers.....	16,704	16,802	16,720	-0.6	0.5	-0.3	16,143	16,347	16,365	16,299	-1.0
Nondefense aircraft and parts.....	465,785	458,869	458,416	1.5	0.1	-0.2	462,962	454,478	457,064	413,014	12.1
Defense aircraft and parts.....	67,221	66,883	67,291	0.5	-0.6	1.0	65,653	64,866	66,497	66,575	-1.4
Ships and boats.....	20,519	20,441	20,938	0.4	-2.4	-2.3	20,201	20,193	20,995	21,873	-7.6
Furniture and related products.....	6,237	6,300	6,252	-1.0	0.8	1.2	6,093	6,175	6,629	6,243	-2.4

^p Preliminary ^r Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.² Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data.

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

Table 4. Value of Manufacturers' Inventories for Industry Groups¹

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				% Change Sept. 2013/ 2012
	Monthly			Percent Change			Monthly				
	Sept. 2013 ^p	Aug. 2013 ^r	July 2013	Aug. - Sept.	July - Aug.	June - July	Sept. 2013 ^p	Aug. 2013 ^r	July 2013	Sept. 2012	
All manufacturing industries.....	634,003	631,323	629,911	0.4	0.2	0.3	633,074	635,043	632,257	622,369	1.7
Excluding transportation.....	515,123	514,108	513,013	0.2	0.2	0.2	514,194	516,487	514,009	512,974	0.2
Excluding defense.....	605,972	604,077	601,420	0.3	0.4	0.3	605,233	607,912	603,694	596,237	1.5
With unfilled orders.....	313,244	310,499	310,317	0.9	0.1	0.5	312,130	313,575	313,384	301,889	3.4
Durable goods industries.....	382,277	379,164	378,829	0.8	0.1	0.3	381,116	382,723	381,955	371,027	2.7
Wood products.....	9,851	9,896	9,923	-0.5	-0.3	0.6	9,859	9,847	9,745	8,946	10.2
Nonmetallic mineral products.....	11,696	11,680	11,570	0.1	1.0	0.1	11,525	11,676	11,604	11,271	2.3
Primary metals.....	35,086	34,985	34,925	0.3	0.2	0.1	35,069	35,068	35,093	36,266	-3.3
Iron and steel mills.....	20,196	20,147	20,107	0.2	0.2	0.5	20,222	20,142	20,237	21,332	-5.2
Aluminum and nonferrous metals.....	12,661	12,596	12,569	0.5	0.2	-0.7	12,655	12,684	12,646	12,625	0.2
Ferrous metal foundries.....	2,229	2,242	2,249	-0.6	-0.3	0.8	2,192	2,242	2,210	2,309	-5.1
Fabricated metal products.....	47,681	47,445	47,321	0.5	0.3	0.3	47,527	47,644	47,842	47,171	0.8
Machinery.....	66,398	65,906	65,864	0.7	0.1	0.5	65,919	66,507	66,123	66,761	-1.3
Farm machinery.....	3,919	3,911	3,862	0.2	1.3	0.5	3,611	3,712	3,699	3,587	0.7
Construction machinery.....	5,328	5,284	5,340	0.8	-1.0	-1.6	5,326	5,237	5,295	6,213	-14.3
Mining, oil field, and gas field machinery.....	7,336	7,230	7,150	1.5	1.1	-0.3	7,301	7,331	7,255	7,234	0.9
Industrial machinery.....	6,313	6,257	6,304	0.9	-0.7	0.4	6,352	6,321	6,252	6,183	2.7
Photographic equipment.....	1,650	1,648	1,610	0.1	2.4	0.2	1,651	1,689	1,648	1,582	4.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,904	4,835	4,826	1.4	0.2	0.7	4,770	4,897	4,953	4,373	9.1
Metalworking machinery.....	5,514	5,532	5,522	-0.3	0.2	-0.6	5,654	5,629	5,551	5,534	2.2
Turbines, generators, and other power transmission equipment.....	10,433	10,301	10,403	1.3	-1.0	1.8	10,384	10,739	10,647	11,326	-8.3
Material handling equipment.....	4,587	4,521	4,507	1.5	0.3	1.3	4,683	4,637	4,613	4,591	2.0
Computers and electronic products ²	46,887	46,377	46,634	1.1	-0.6	-0.4	46,681	47,289	47,224	45,852	1.8
Computers.....	946	947	1,012	-0.1	-6.4	6.3	975	1,002	1,033	852	14.4
Computer storage devices.....	1,893	1,938	1,947	-2.3	-0.5	-6.2	1,866	2,061	1,967	1,735	7.6
Other peripheral equipment.....	1,604	1,610	1,624	-0.4	-0.9	-2.5	1,560	1,685	1,659	1,707	-8.6
Nondefense communications equipment.....	6,272	6,172	6,111	1.6	1.0	-1.7	6,201	6,255	6,114	6,296	-1.5
Defense communications equipment.....	1,302	1,258	1,244	3.5	1.1	0.6	1,302	1,258	1,244	1,466	-11.2
Audio and video equipment.....	652	657	660	-0.8	-0.5	-1.9	743	721	674	732	1.5
Electronic components.....	8,171	8,073	7,805	1.2	3.4	-0.4	8,071	8,089	7,892	7,492	7.7
Nondefense search and navigation equipment.....	3,640	3,607	3,599	0.9	0.2	1.3	3,618	3,650	3,625	3,455	4.7
Defense search and navigation equipment.....	2,978	2,826	3,205	5.4	-11.8	1.8	2,903	2,841	3,265	2,754	5.4
Electromedical, measuring and control instruments.....	12,337	12,355	12,381	-0.1	-0.2	0.8	12,161	12,663	12,483	11,363	7.0
Electrical equipment, appliances, and components.....	16,929	16,831	16,924	0.6	-0.5	0.7	16,642	16,932	17,118	16,199	2.7
Electric lighting equipment.....	2,106	2,108	2,057	-0.1	2.5	6.4	2,092	2,128	2,133	1,884	11.0
Household appliances.....	1,834	1,785	1,777	2.7	0.5	-0.9	1,845	1,833	1,838	1,818	1.5
Electrical equipment.....	4,979	4,924	4,907	1.1	0.3	0.3	4,725	4,930	4,942	4,677	1.0
Batteries.....	1,157	1,162	1,164	-0.4	-0.2	0.4	1,162	1,209	1,185	1,145	1.5
Transportation equipment.....	118,880	117,215	116,898	1.4	0.3	0.5	118,880	118,556	118,248	109,395	8.7
Automobiles.....	2,731	2,591	2,478	5.4	4.6	-5.3	2,792	2,566	2,478	2,794	-0.1
Light trucks and utility vehicles.....	2,392	2,329	2,319	2.7	0.4	4.9	2,507	2,441	2,377	2,535	-1.1
Heavy duty trucks.....	1,754	1,731	1,750	1.3	-1.1	-9.4	1,748	1,742	1,756	2,271	-23.0
Motor vehicle bodies, parts, and trailers.....	18,518	18,557	18,420	-0.2	0.7	0.9	18,481	18,701	18,615	18,069	2.3
Nondefense aircraft and parts.....	65,060	64,213	63,186	1.3	1.6	0.8	64,983	65,204	64,088	56,644	14.7
Defense aircraft and parts.....	13,456	13,439	13,967	0.1	-3.8	1.9	13,507	13,498	14,061	12,831	5.3
Ships and boats.....	2,409	2,378	2,404	1.3	-1.1	1.8	2,395	2,355	2,358	2,474	-3.2
Furniture and related products.....	5,981	6,010	6,005	-0.5	0.1	0.1	5,972	6,117	6,157	6,000	-0.5
Miscellaneous durable goods.....	22,888	22,819	22,765	0.3	0.2	0.4	23,042	23,087	22,801	23,166	-0.5
Non-durable goods industries.....	251,726	252,159	251,082	-0.2	0.4	0.2	251,958	252,320	250,302	251,342	0.2
Food products.....	47,427	47,531	47,686	-0.2	-0.3	-0.6	48,119	47,667	46,850	48,518	-0.8
Grain and oilseed milling.....	5,081	5,167	5,305	-1.7	-2.6	-4.0	4,920	4,957	5,068	6,244	-21.2
Dairy products.....	6,040	6,065	6,146	-0.4	-1.3	-2.1	6,039	6,214	6,374	6,077	-0.6
Meat, poultry, and seafood products.....	9,148	9,164	9,119	-0.2	0.5	-0.2	9,271	9,227	9,074	9,054	2.4
Beverage and tobacco products.....	20,397	20,359	20,152	0.2	1.0	0.2	20,299	19,671	19,412	19,130	6.1
Beverages.....	16,250	16,233	16,091	0.1	0.9	0.0	16,240	15,760	15,617	15,336	5.9
Tobacco.....	4,147	4,126	4,061	0.5	1.6	0.9	4,059	3,911	3,795	3,794	7.0
Textile mills.....	3,326	3,337	3,339	-0.3	-0.1	0.6	3,341	3,363	3,365	3,295	1.4
Textile products.....	3,086	3,074	3,052	0.4	0.7	0.1	3,089	3,072	3,066	2,972	3.9
Apparel.....	2,219	2,192	2,175	1.2	0.8	0.8	2,368	2,326	2,284	2,100	12.8
Leather and allied products.....	1,059	1,057	1,061	0.2	-0.4	0.0	1,071	1,083	1,072	1,055	1.5
Paper products.....	14,480	14,498	14,494	-0.1	0.0	0.1	14,458	14,556	14,507	14,433	0.2
Pulp, paper, and paperboard mills.....	6,142	6,139	6,136	0.0	0.0	-0.1	6,108	6,162	6,149	6,188	-1.3
Paperboard containers.....	4,170	4,170	4,166	0.0	0.1	0.8	4,150	4,164	4,140	4,054	2.4
Printing.....	5,551	5,553	5,517	0.0	0.7	0.4	5,611	5,714	5,605	5,599	0.2
Petroleum and coal products.....	49,678	49,943	49,005	-0.5	1.9	2.4	49,787	50,072	48,901	53,074	-6.2
Petroleum refineries.....	46,071	46,361	45,334	-0.6	2.3	3.0	46,175	46,426	45,165	49,101	-6.0
Chemical products.....	82,061	82,269	82,341	-0.3	-0.1	-0.6	81,475	82,498	82,913	79,333	2.7
Pesticides, fertilizers, and other agricultural chemicals.....	4,170	4,211	4,280	-1.0	-1.6	0.4	3,881	3,916	3,965	3,666	5.9
Pharmaceuticals and medicines.....	31,421	31,581	31,810	-0.5	-0.7	-1.1	31,168	31,712	32,094	31,057	0.4
Paints, coatings, and adhesives.....	3,251	3,230	3,249	0.7	-0.6	-0.2	3,172	3,244	3,319	3,089	2.7
Plastics and rubber products.....	22,442	22,346	22,260	0.4	0.4	0.1	22,340	22,298	22,327	21,833	2.3

^p Preliminary ^r Revised data due to late receipts and concurrent seasonal adjustment.¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.² Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable 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^{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		% Change ⁶	
	Sept. 2013 ^p	Aug. 2013 ^r	July 2013	Aug. - Sept.	July - Aug.	June - July	Sept. 2013 ^p	Aug. 2013 ^r	July 2013	Sept. 2012	2013 ^p		2012
SHIPMENTS													
All manufacturing industries.....	488,929	488,582	487,829	0.1	0.2	1.1	499,036	504,328	475,206	487,011	4,371,062	4,299,403	1.7
Construction materials and supplies.....	43,250	43,159	43,219	0.2	-0.1	0.9	44,951	46,957	45,190	42,176	391,950	378,859	3.5
Information technology.....	21,585	21,475	21,013	0.5	2.2	-2.8	24,568	20,596	18,686	23,865	190,646	196,046	-2.8
Computers and related products.....	2,423	2,332	2,017	3.9	15.6	-15.7	3,392	2,008	1,482	3,283	20,230	21,882	-7.5
Motor vehicle and parts.....	45,914	45,829	45,009	0.2	1.8	0.4	46,768	48,604	36,670	40,899	402,812	368,233	9.4
Capital goods.....	84,119	84,114	82,859	0.0	1.5	-1.9	89,337	83,484	76,966	86,509	744,679	729,113	2.1
Nondefense capital goods ³	74,140	73,834	73,506	0.4	0.4	-1.4	78,321	73,265	68,718	75,508	657,082	642,349	2.3
Excluding aircraft.....	65,692	65,818	64,936	-0.2	1.4	-1.4	69,415	65,374	61,620	66,832	589,472	581,123	1.4
Defense capital goods ⁴	9,979	10,280	9,353	-2.9	9.9	-5.8	11,016	10,219	8,248	11,001	87,597	86,764	1.0
Consumer goods.....	211,919	212,152	213,009	-0.1	-0.4	3.0	213,556	219,830	207,582	211,130	1,887,293	1,847,328	2.2
Consumer durable goods.....	37,107	36,871	36,609	0.6	0.7	1.8	38,289	38,353	29,931	33,784	325,254	294,526	10.4
Consumer nondurable goods.....	174,812	175,281	176,400	-0.3	-0.6	3.3	175,267	181,477	177,651	177,346	1,562,039	1,552,802	0.6
NEW ORDERS													
All manufacturing industries ⁵	490,760	482,672	483,048	1.7	-0.1	-2.8	500,684	488,949	466,646	480,731	4,349,767	4,248,441	2.4
Construction materials and supplies.....	43,503	43,499	43,445	0.0	0.1	1.4	45,022	46,624	45,473	41,905	393,684	380,249	3.5
Information technology.....	21,337	21,234	21,901	0.5	-3.0	-5.7	24,930	19,488	18,954	24,714	195,795	202,469	-3.3
Computers and related products.....	2,413	2,253	2,036	7.1	10.7	-12.8	3,382	1,929	1,501	3,346	20,338	22,001	-7.6
Motor vehicle and parts.....	45,816	45,911	44,963	-0.2	2.1	0.4	46,564	48,586	36,381	40,720	402,170	366,655	9.7
Capital goods.....	91,159	84,536	84,908	7.8	-0.4	-18.2	97,432	77,183	76,874	88,003	782,118	747,454	4.6
Nondefense capital goods ³	80,929	75,867	75,946	6.7	-0.1	-17.5	85,913	70,106	70,429	76,896	705,809	658,637	7.2
Excluding aircraft.....	67,102	67,959	67,278	-1.3	1.0	-3.5	69,652	64,697	62,238	64,221	609,305	583,587	4.4
Defense capital goods ⁴	10,230	8,669	8,962	18.0	-3.3	-23.7	11,519	7,077	6,445	11,107	76,309	88,817	-14.1
Consumer goods.....	211,961	212,208	213,015	-0.1	-0.4	3.0	213,600	219,697	207,712	211,194	1,887,512	1,847,319	2.2
Consumer durable goods.....	37,149	36,927	36,615	0.6	0.9	1.6	38,333	38,220	30,061	33,848	325,473	294,517	10.5
Consumer nondurable goods.....	174,812	175,281	176,400	-0.3	-0.6	3.3	175,267	181,477	177,651	177,346	1,562,039	1,552,802	0.6
UNFILLED ORDERS													
All manufacturing industries ⁵	1,041,703	1,032,915	1,031,955	0.9	0.1	0.2	1,031,149	1,022,797	1,031,232	967,899	(X)	(X)	6.5
Construction materials and supplies.....	51,518	51,265	50,925	0.5	0.7	0.4	51,402	51,331	51,664	50,736	(X)	(X)	1.3
Information technology.....	135,160	135,408	135,649	-0.2	-0.2	0.7	134,893	134,531	135,639	129,407	(X)	(X)	4.2
Computers and related products.....	3,335	3,345	3,424	-0.3	-2.3	0.6	3,335	3,345	3,424	2,862	(X)	(X)	16.5
Motor vehicle and parts.....	16,704	16,802	16,720	-0.6	0.5	-0.3	16,143	16,347	16,365	16,299	(X)	(X)	-1.0
Capital goods.....	784,952	777,912	777,490	0.9	0.1	0.3	778,653	770,558	776,859	724,284	(X)	(X)	7.5
Nondefense capital goods ³	616,976	610,187	608,154	1.1	0.3	0.4	611,998	604,406	607,565	553,774	(X)	(X)	10.5
Excluding aircraft.....	230,622	229,212	227,071	0.6	0.9	1.0	227,672	227,435	228,112	212,519	(X)	(X)	7.1
Defense capital goods ⁴	167,976	167,725	169,336	0.1	-1.0	-0.2	166,655	166,152	169,294	170,510	(X)	(X)	-2.3
Consumer goods.....	4,463	4,421	4,365	1.0	1.3	0.1	4,292	4,248	4,381	3,992	(X)	(X)	7.5
Consumer durable goods.....	4,463	4,421	4,365	1.0	1.3	0.1	4,292	4,248	4,381	3,992	(X)	(X)	7.5
TOTAL INVENTORIES													
All manufacturing industries.....	634,003	631,323	629,911	0.4	0.2	0.3	633,074	635,043	632,257	622,369	(X)	(X)	1.7
Construction materials and supplies.....	61,770	61,600	61,415	0.3	0.3	0.3	61,530	61,837	61,901	59,857	(X)	(X)	2.8
Information technology.....	40,325	40,071	40,619	0.6	-1.3	-0.1	39,997	40,863	40,941	38,836	(X)	(X)	3.0
Computers and related products.....	4,443	4,495	4,583	-1.2	-1.9	-2.3	4,401	4,748	4,659	4,294	(X)	(X)	2.5
Motor vehicle and parts.....	25,395	25,208	24,967	0.7	1.0	-0.2	25,528	25,450	25,226	25,669	(X)	(X)	-0.5
Capital goods.....	196,386	194,178	194,475	1.1	-0.2	0.3	195,507	196,628	195,895	186,997	(X)	(X)	4.6
Nondefense capital goods ³	173,354	172,042	171,349	0.8	0.4	0.3	172,716	174,666	172,791	166,054	(X)	(X)	4.0
Excluding aircraft.....	120,014	119,335	119,543	0.6	-0.2	0.1	119,280	120,992	120,242	120,004	(X)	(X)	-2.0
Defense capital goods ⁴	23,032	22,136	23,126	4.0	-4.3	0.4	22,791	21,962	23,104	20,943	(X)	(X)	8.8
Consumer goods.....	188,630	188,824	187,804	-0.1	0.5	0.3	189,511	189,032	186,587	191,634	(X)	(X)	-1.1
Consumer durable goods.....	24,927	24,659	24,470	1.1	0.8	-0.1	25,190	24,961	24,526	25,431	(X)	(X)	-0.9
Consumer nondurable goods.....	163,703	164,165	163,334	-0.3	0.5	0.4	164,321	164,071	162,061	166,203	(X)	(X)	-1.1

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

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price 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 compressor material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigational equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				% Change Sept. 2013/ 2012
	Monthly			Percent Change			Monthly				
	Sept. 2013 ^p	Aug. 2013 ^f	July 2013	Aug. - Sept.	July - Aug.	June - July	Sept. 2013 ^p	Aug. 2013 ^f	July 2013	Sept. 2012	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	204,354	204,122	202,024	0.1	1.0	0.4	204,287	204,805	202,667	205,286	-0.5
Durable goods industries.....	124,607	124,496	123,528	0.1	0.8	0.5	124,934	125,381	124,118	123,908	0.8
Wood products.....	3,767	3,810	3,833	-1.1	-0.6	1.4	3,876	3,844	3,722	3,505	10.6
Nonmetallic mineral products.....	4,366	4,411	4,362	-1.7	1.1	-0.3	4,317	4,430	4,370	4,291	0.6
Primary metals.....	14,048	14,127	14,107	-0.6	0.1	1.7	14,177	14,145	14,065	14,299	-0.9
Fabricated metal products.....	17,333	17,231	17,140	0.6	0.5	0.8	17,410	17,321	17,307	17,766	-2.0
Machinery.....	24,295	24,252	24,410	0.2	-0.6	0.0	24,524	24,644	24,817	25,611	-4.2
Computers and electronic products.....	18,257	18,303	18,403	-0.3	-0.5	0.7	18,084	18,322	18,483	17,729	2.0
Electrical equipment, appliances, and components.....	7,168	7,177	7,258	-0.1	-1.1	0.9	7,005	7,215	7,323	6,855	2.2
Transportation equipment.....	25,506	25,211	24,007	1.2	5.0	0.2	25,635	25,416	23,963	23,404	9.5
Furniture and related products.....	2,791	2,816	2,816	-0.9	0.0	0.2	2,795	2,831	2,859	2,892	-3.4
Miscellaneous products.....	7,106	7,158	7,192	-0.7	-0.5	-1.0	7,111	7,213	7,209	7,556	-5.9
Nondurable goods industries.....	79,747	79,626	78,496	0.2	1.4	0.4	79,353	79,424	78,549	81,378	-2.5
Food products.....	16,174	16,198	16,328	-0.1	-0.8	-1.7	16,133	15,954	16,193	17,998	-10.4
Beverage and tobacco products.....	5,442	5,351	5,277	1.7	1.4	0.9	5,318	5,139	5,038	4,914	8.2
Textiles.....	1,215	1,215	1,198	0.0	1.4	0.2	1,216	1,227	1,216	1,133	7.3
Textile products.....	1,228	1,221	1,199	0.6	1.8	1.3	1,234	1,221	1,211	1,166	5.8
Apparel.....	736	726	721	1.4	0.7	1.4	750	735	724	647	15.9
Leather and allied products.....	305	309	319	-1.3	-3.1	0.0	315	318	321	344	-8.4
Paper products.....	6,791	6,780	6,792	0.2	-0.2	0.3	6,796	6,788	6,752	6,940	-2.1
Printing.....	2,468	2,487	2,479	-0.8	0.3	2.0	2,480	2,516	2,508	2,561	-3.2
Petroleum and coal products.....	12,959	13,148	12,274	-1.4	7.1	4.6	12,780	13,230	12,353	14,015	-8.8
Chemical products.....	23,561	23,353	23,226	0.9	0.5	0.1	23,506	23,397	23,514	22,853	2.9
Plastics and rubber products.....	8,868	8,838	8,683	0.3	1.8	-1.6	8,825	8,899	8,719	8,807	0.2
WORK IN PROCESS											
All manufacturing industries.....	203,258	201,363	202,035	0.9	-0.3	0.4	201,130	201,734	202,998	192,829	4.3
Durable goods industries.....	152,315	150,474	151,152	1.2	-0.4	0.4	151,496	152,122	153,278	143,481	5.6
Wood products.....	1,784	1,777	1,781	0.4	-0.2	1.5	1,792	1,776	1,784	1,658	8.1
Nonmetallic mineral products.....	1,341	1,338	1,319	0.2	1.4	1.8	1,330	1,355	1,349	1,339	-0.7
Primary metals.....	10,457	10,369	10,355	0.8	0.1	-1.5	10,404	10,549	10,579	10,988	-5.3
Fabricated metal products.....	13,615	13,514	13,500	0.7	0.1	0.1	13,607	13,626	13,604	13,106	3.8
Machinery.....	19,321	19,163	18,930	0.8	1.2	1.4	19,005	19,359	18,968	18,669	1.8
Computers and electronic products.....	15,926	15,654	15,792	1.7	-0.9	-1.1	15,877	16,049	16,197	16,290	-2.5
Electrical equipment, appliances, and components.....	3,788	3,747	3,766	1.1	-0.5	0.5	3,716	3,775	3,808	3,630	2.4
Transportation equipment.....	81,192	80,320	81,191	1.1	-1.1	0.6	80,832	80,988	82,419	73,307	10.3
Furniture and related products.....	980	977	984	0.3	-0.7	0.4	982	983	999	966	1.7
Miscellaneous products.....	3,911	3,615	3,534	8.2	2.3	5.1	3,951	3,662	3,571	3,528	12.0
Nondurable goods industries.....	50,943	50,889	50,883	0.1	0.0	0.4	49,634	49,612	49,720	49,348	0.6
Food products.....	4,855	4,708	4,641	3.1	1.4	0.4	4,318	4,139	4,029	3,867	11.7
Beverage and tobacco products.....	6,990	6,926	6,838	0.9	1.3	-0.6	6,770	6,177	6,148	6,205	9.1
Textiles.....	727	725	745	0.3	-2.7	-1.2	738	739	752	776	-4.9
Textile products.....	432	424	428	1.9	-0.9	0.2	434	422	429	419	3.6
Apparel.....	310	311	315	-0.3	-1.3	-1.3	333	339	342	363	-8.3
Leather and allied products.....	101	102	105	-1.0	-2.9	1.9	100	100	103	99	1.0
Paper products.....	1,404	1,421	1,425	-1.2	-0.3	0.2	1,405	1,438	1,438	1,318	6.6
Printing.....	1,255	1,247	1,232	0.6	1.2	-2.7	1,302	1,354	1,247	1,344	-3.1
Petroleum and coal products.....	14,715	14,752	14,431	-0.3	2.2	4.6	14,414	14,726	14,419	14,863	-3.0
Chemical products.....	17,499	17,635	18,079	-0.8	-2.5	-2.1	17,157	17,524	18,153	17,434	-1.6
Plastics and rubber products.....	2,655	2,638	2,644	0.6	-0.2	0.6	2,663	2,654	2,660	2,660	0.1
FINISHED GOODS											
All manufacturing industries.....	226,391	225,838	225,852	0.2	0.0	0.0	227,657	228,504	226,592	224,254	1.5
Durable goods industries.....	105,355	104,194	104,149	1.1	0.0	0.0	104,686	105,220	104,559	103,638	1.0
Wood products.....	4,300	4,309	4,309	-0.2	0.0	-0.5	4,191	4,227	4,239	3,783	10.8
Nonmetallic mineral products.....	6,019	5,931	5,889	1.5	0.7	0.0	5,878	5,891	5,885	5,641	4.2
Primary metals.....	10,581	10,489	10,463	0.9	0.2	-0.4	10,488	10,374	10,449	10,979	-4.5
Fabricated metal products.....	16,733	16,700	16,681	0.2	0.1	0.0	16,510	16,697	16,931	16,299	1.3
Machinery.....	22,782	22,491	22,524	1.3	-0.1	0.3	22,390	22,504	22,338	22,481	-0.4
Computers and electronic products.....	12,704	12,420	12,439	2.3	-0.2	-1.2	12,720	12,918	12,544	11,833	7.5
Electrical equipment, appliances, and components.....	5,973	5,907	5,900	1.1	0.1	0.7	5,921	5,942	5,987	5,714	3.6
Transportation equipment.....	12,182	11,684	11,700	4.3	-0.1	0.8	12,413	12,152	11,866	12,684	-2.1
Furniture and related products.....	2,210	2,217	2,205	-0.3	0.5	-0.2	2,195	2,303	2,299	2,142	2.5
Miscellaneous products.....	11,871	12,046	12,039	-1.5	0.1	-0.2	11,980	12,212	12,021	12,082	-0.8
Nondurable goods industries.....	121,036	121,644	121,703	-0.5	0.0	0.0	122,971	123,284	122,033	120,616	2.0
Food products.....	26,398	26,625	26,717	-0.9	-0.3	-0.1	27,668	27,574	26,628	26,653	3.8
Beverage and tobacco products.....	7,965	8,082	8,037	-1.4	0.6	0.4	8,211	8,355	8,226	8,011	2.5
Textiles.....	1,384	1,397	1,396	-0.9	0.1	1.9	1,387	1,397	1,397	1,386	0.1
Textile products.....	1,426	1,429	1,425	-0.2	0.3	-1.0	1,421	1,429	1,426	1,387	2.5
Apparel.....	1,173	1,155	1,139	1.6	1.4	1.0	1,285	1,252	1,218	1,090	17.9
Leather and allied products.....	653	646	637	1.1	1.4	-0.3	656	665	648	612	7.2
Paper products.....	6,285	6,297	6,277	-0.2	0.3	0.0	6,257	6,330	6,317	6,175	1.3
Printing.....	1,828	1,819	1,806	0.5	0.7	0.3	1,829	1,844	1,850	1,694	8.0
Petroleum and coal products.....	22,004	22,043	22,300	-0.2	-1.2	-0.1	22,593	22,116	22,129	24,196	-6.6
Chemical products.....	41,001	41,281	41,036	-0.7	0.6	-0.3	40,812	41,577	41,246	39,046	4.5
Plastics and rubber products.....	10,919	10,870	10,933	0.5	-0.6	1.4	10,852	10,745	10,948	10,366	4.7

^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.

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			
	Sep 2013 ^a	Aug 2013 ^b	Jul 2013	Jun 2013	Sep 2013 ^a	Aug 2013 ^b	Jul 2013	Jun 2013
	All manufacturing industries ³	1.30	1.29	1.29	1.30	(X)	(X)	(X)
Durable goods industries ³	1.64	1.64	1.65	1.64	6.39	6.36	6.42	6.38
Wood products.....	1.35	1.36	1.38	1.37	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.34	1.35	1.36	1.36	(X)	(X)	(X)	(X)
Primary metals.....	1.36	1.37	1.37	1.40	1.39	1.39	1.40	1.43
Fabricated metal products.....	1.65	1.64	1.63	1.63	3.26	3.22	3.16	3.14
Machinery.....	1.96	1.95	1.96	1.92	3.40	3.41	3.42	3.34
Computers and electronic products ³	1.68	1.67	1.71	1.70	7.30	7.36	7.46	7.33
Electrical equipment, appliances, and components.....	1.68	1.66	1.64	1.63	2.44	2.42	2.38	2.40
Transportation equipment.....	1.70	1.68	1.70	1.69	14.60	14.48	14.83	14.62
Furniture and related products.....	1.05	1.06	1.07	1.07	1.31	1.33	1.33	1.32
Miscellaneous products.....	1.63	1.62	1.65	1.65	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.98	0.98	0.97	0.99	(X)	(X)	(X)	(X)
Food products.....	0.76	0.77	0.76	0.78	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.65	1.68	1.64	1.69	(X)	(X)	(X)	(X)
Textiles.....	1.24	1.26	1.26	1.27	(X)	(X)	(X)	(X)
Textile products.....	1.46	1.49	1.47	1.48	(X)	(X)	(X)	(X)
Apparel.....	1.95	1.96	1.95	1.94	(X)	(X)	(X)	(X)
Leather and allied products.....	2.26	2.25	2.23	2.25	(X)	(X)	(X)	(X)
Paper products.....	1.01	1.01	1.01	1.01	(X)	(X)	(X)	(X)
Printing.....	0.88	0.87	0.86	0.86	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.68	0.68	0.66	0.68	(X)	(X)	(X)	(X)
Chemical products.....	1.29	1.30	1.29	1.30	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.20	1.20	1.21	1.21	(X)	(X)	(X)	(X)

X Not Applicable ^a Preliminary ^b 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	
	Sep ² 2013	Sep ³ 2012- Aug 2013	Sep ² 2013	Sep ³ 2012- Aug 2013	Sep ² 2013	Sep ³ 2012- Aug 2013	Sep ² 2013	Sep ³ 2012- Aug 2013
	All manufacturing industries.....	(X)	0.2	(X)	0.4	(X)	0.1	(X)
Durable goods industries.....	0.2	0.3	0.1	0.6	0.1	0.1	-0.1	0.1
Wood products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Primary metals.....	0.0	0.6	0.2	1.8	0.3	1.1	-0.2	0.3
Fabricated metal products.....	-0.2	0.3	-0.3	0.9	0.0	0.3	0.1	0.2
Machinery.....	-0.1	0.4	-0.8	0.9	-0.3	0.2	-0.1	0.2
Computers and electronic products.....	0.1	0.7	1.0	0.8	0.1	0.1	-0.1	0.2
Electrical equipment, appliances, and components.....	0.8	0.4	-0.6	1.0	0.2	0.4	-0.2	0.7
Transportation equipment.....	0.3	0.3	0.6	1.5	0.1	0.1	-0.1	0.2
Furniture and related products.....	(X)	0.3	(X)	0.4	(X)	0.3	(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)	0.1
Beverage and tobacco products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
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)	0.9
Leather and allied products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.7
Paper products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.1
Printing.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	1.2	(X)	(NA)	(X)	(NA)	(X)	0.6
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.6	(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>.