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Full Report on Manufacturers' Shipments, Inventories and Orders September 2014

Summary

New orders for manufactured goods in September, down two consecutive months, decreased \$2.8 billion or 0.6 percent to \$499.4 billion, the U.S. Census Bureau reported today. This followed a 10.0 percent August decrease. Excluding transportation, new orders decreased slightly.

Shipments, up three of the last four months, increased \$0.7 billion or 0.1 percent to \$503.4 billion. This followed a 1.1 percent August decrease.

Unfilled orders, up seventeen of the last eighteen months, increased \$3.7 billion or 0.3 percent to \$1,168.7 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 August increase. The unfilled orders-to-shipments ratio was 6.71, unchanged from August.

Inventories, up twenty-two of the last twenty-three months, increased \$1.5 billion or 0.2 percent to \$655.2 billion. This was also at the highest level since the series was first published on a NAICS basis and followed a 0.1 percent August increase. The inventories-to-shipments ratio was 1.30, unchanged from August.

New Orders

New orders for manufactured durable goods in September, down two consecutive months, decreased \$2.8 billion or 1.1 percent to \$242.2 billion, revised from the previously published 1.3 percent decrease. This followed an 18.3 percent August decrease.

Transportation equipment, also down two consecutive months, led the decrease, \$2.7 billion or 3.5 percent to \$73.6 billion.

New orders for manufactured nondurable goods increased \$0.1 billion or slightly to \$257.2 billion.

Shipments

Shipments of manufactured durable goods in September, up three of the last four months, increased \$0.7 billion or 0.3 percent to \$246.2 billion, revised from the previously published 0.1 percent increase. This followed a 1.7 percent August decrease.

Transportation equipment, also up three of the last four months, led the increase, \$0.4 billion or 0.5 percent to \$72.7 billion.

Shipments of manufactured nondurable goods, up following two consecutive monthly decreases, increased \$0.1 billion or slightly to \$257.2 billion. This followed a 0.4 percent August decrease. Chemical products, up five of the last six months, drove the increase, \$0.1 billion or 0.1 percent to \$63.3 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in September, up seventeen of the last eighteen months, increased \$3.7 billion or 0.3 percent to \$1,168.7 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 0.6 percent August increase.

Computers and electronic products, up twelve of the last thirteen months, led the increase, \$1.0 billion or 0.7 percent to \$144.8 billion.

Inventories

Inventories of manufactured durable goods in September, up seventeen of the last eighteen months, increased \$1.7 billion or 0.4 percent to \$404.6 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 0.4 percent August increase.

Transportation equipment, also up seventeen of the last eighteen months, led the increase, \$1.0 billion or 0.8 percent to \$130.9 billion.

Inventories of manufactured nondurable goods, down four consecutive months, decreased \$0.1 billion or slightly to \$250.6 billion. This followed a 0.4 percent August decrease. Petroleum and coal products, also down four consecutive months, drove the decrease, \$0.5 billion or 1.0 percent to \$46.6 billion.

By stage of fabrication, September materials and supplies decreased 0.5 percent in durable goods and increased 0.3 percent in nondurable goods. Work in process increased 0.6 percent in durable goods and decreased 0.8 percent in nondurable goods. Finished goods increased 1.3 percent in durable goods and 0.1 percent in nondurable goods.

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to www.census.gov/m3. The Advance Report on durable goods for October is scheduled for release on November 26, 2014 at 8:30 a.m. EST and the Full Report on December 5, 2014, 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. The U.S. Census Bureau updated its Application Programming Interface (API) with monthly and quarterly economic indicators. The API allows developers to combine Census Bureau statistics with other data sets to create tools for research on a variety of topics.

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. 2014 ^P	Aug. 2014 ^F	July 2014	Aug. - Sept.	July - Aug.	June - July	Sept. 2014 ^P	Aug. 2014 ^F	July 2014	Sept. 2013	2014 ^P	2013	% Change 2014/2013
All manufacturing industries ²	499,395	502,159	558,155	-0.6	-10.0	10.5	516,425	503,695	543,697	501,728	4,531,671	4,350,811	4.2
Excluding transportation ²	425,794	425,868	425,784	0.0	0.0	-0.7	436,709	431,634	423,124	418,820	3,825,198	3,724,599	2.7
Excluding defense ²	488,417	491,570	547,735	-0.6	-10.3	11.3	503,867	495,519	535,996	486,940	4,430,281	4,256,206	4.1
With unfilled orders ²	177,987	181,084	233,140	-1.7	-22.3	28.7	187,691	173,557	221,810	179,036	1,624,060	1,487,857	9.2
Durable goods industries ²	242,184	245,001	299,862	-1.1	-18.3	22.5	255,504	238,828	282,916	244,277	2,199,185	2,042,196	7.7
Primary metals.....	28,667	27,972	27,896	2.5	0.3	-0.4	28,352	27,599	27,638	25,320	248,255	231,922	7.0
Iron and steel mills.....	11,906	11,346	11,425	4.9	-0.7	-3.2	11,402	10,760	11,260	10,249	102,180	97,451	4.9
Aluminum and nonferrous metals.....	14,800	14,708	14,690	0.6	0.1	1.8	14,982	14,921	14,706	13,474	129,561	119,085	8.8
Ferrous metal foundries.....	1,961	1,918	1,781	2.2	7.7	1.3	1,968	1,918	1,672	1,597	16,514	15,386	7.3
Fabricated metal products.....	30,847	30,612	30,673	0.8	-0.2	-0.1	31,674	31,344	30,362	29,344	273,747	272,185	0.6
Machinery.....	37,220	38,226	37,780	-2.6	1.2	-1.4	37,591	37,015	36,230	34,490	338,050	313,291	7.9
Construction machinery.....	4,722	5,125	4,863	-7.9	5.4	-6.2	4,374	4,929	4,220	4,414	45,883	41,409	10.8
Mining, oil field, and gas field machinery.....	2,471	2,520	2,148	-1.9	17.3	6.7	2,504	2,300	2,218	2,210	20,793	21,178	-1.8
Industrial machinery.....	6,054	6,045	5,684	0.1	6.4	17.8	6,430	5,867	5,371	4,338	45,660	33,737	35.3
Photographic equipment.....	383	765	720	-49.9	6.3	32.1	480	788	732	961	5,832	6,796	-14.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,884	4,039	3,773	-3.8	7.1	0.4	4,165	4,123	3,875	4,015	35,412	33,683	5.1
Metalworking machinery.....	3,043	3,334	3,314	-8.7	0.6	2.6	3,286	3,198	3,249	3,181	28,344	26,742	6.0
Turbines, generators, and other power transmission equipment.....	4,425	4,025	4,606	9.9	-12.6	-8.2	4,290	3,874	4,465	3,849	39,014	37,100	5.2
Material handling equipment.....	3,074	3,214	3,227	-4.4	-0.4	-6.2	3,183	3,262	2,918	2,664	28,028	25,599	9.5
Computers and electronic products ²	22,364	22,894	22,504	-2.3	1.7	-0.8	26,357	20,897	19,562	25,250	197,557	189,117	4.5
Computers.....	494	476	586	3.8	-18.8	-14.8	561	443	482	635	4,476	4,748	-5.7
Nondefense communications equipment.....	3,207	3,761	3,817	-14.7	-1.5	12.5	4,012	3,611	3,113	4,746	33,276	35,531	-6.3
Defense communications equipment.....	326	475	363	-31.4	30.9	-1.4	420	466	279	509	3,259	3,390	-3.9
Electronic components.....	3,621	3,585	3,744	1.0	-4.2	-0.6	3,670	3,685	3,838	3,318	32,346	31,120	3.9
Nondefense search and navigation equipment.....	1,841	1,834	1,728	0.4	6.1	-9.1	2,125	1,659	1,588	1,749	15,888	14,612	8.7
Defense search and navigation equipment.....	3,461	3,032	2,732	14.1	11.0	-10.5	4,102	2,525	2,241	3,324	25,399	22,902	10.9
Electromedical, measuring, and control instruments.....	7,173	7,356	6,965	-2.5	5.6	2.0	8,555	6,461	6,186	7,416	61,607	56,272	9.5
Electrical equipment, appliances, and components.....	11,243	10,913	10,590	3.0	3.1	-3.0	11,511	10,795	10,000	10,064	96,383	93,431	3.2
Electric lighting equipment.....	883	888	898	-0.6	-1.1	2.2	923	872	847	889	7,797	7,353	6.0
Household appliances.....	1,846	1,837	1,869	0.5	-1.7	2.0	1,994	1,786	1,806	1,710	16,084	14,912	7.9
Electrical equipment.....	3,528	3,457	3,519	2.1	-1.8	0.3	3,624	3,370	3,378	3,416	31,593	30,866	2.4
Transportation equipment.....	73,601	76,291	132,371	-3.5	-42.4	73.3	79,716	72,061	120,573	82,908	706,473	626,212	12.8
Motor vehicle bodies, parts, and trailers.....	21,806	21,656	22,789	0.7	-5.0	7.3	22,382	22,497	19,705	19,901	191,667	174,480	9.9
Nondefense aircraft and parts.....	15,264	18,192	69,976	-16.1	-74.0	315.6	18,308	13,998	69,225	21,259	180,914	129,585	39.6
Defense aircraft and parts.....	3,509	3,806	3,994	-7.8	-4.7	-32.7	3,994	2,711	3,226	6,281	37,034	35,011	5.8
Ships and boats.....	2,176	2,314	2,444	-6.0	-5.3	104.2	2,018	1,959	1,859	2,415	22,993	17,493	31.4
Furniture and related products.....	5,973	5,946	5,800	0.5	2.5	0.0	6,270	5,881	5,860	5,733	52,777	50,977	3.5
Nondurable goods industries.....	257,211	257,158	258,293	0.0	-0.4	-0.8	260,921	264,867	260,781	257,451	2,332,486	2,308,615	1.0

^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.

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 Sep. 2014/ 2013
	Monthly			Percent Change			Monthly				
	Sept. 2014 ^P	Aug. 2014 ^F	July 2014	Aug. - Sept.	July - Aug.	June - July	Sept. 2014 ^P	Aug. 2014 ^F	July 2014	Sept. 2013	
All manufacturing industries ²	1,168,658	1,164,929	1,157,460	0.3	0.6	5.3	1,159,844	1,156,165	1,158,507	1,031,800	12.4
Excluding transportation ²	426,010	423,196	419,708	0.7	0.8	0.5	422,217	421,104	421,946	394,708	7.0
Excluding defense ²	980,496	975,992	967,182	0.5	0.9	6.6	972,072	968,015	966,744	834,953	16.4
Durable goods industries ²	1,168,658	1,164,929	1,157,460	0.3	0.6	5.3	1,159,844	1,156,165	1,158,507	1,031,800	12.4
Primary metals.....	40,302	39,513	39,233	2.0	0.7	0.8	38,614	38,671	39,427	34,343	12.4
Iron and steel mills.....	20,233	19,856	19,820	1.9	0.2	0.2	19,097	19,278	19,995	16,963	12.6
Aluminum and nonferrous metals.....	15,526	15,243	15,128	1.9	0.8	1.9	15,109	14,995	15,175	13,423	12.6
Ferrous metal foundries.....	4,543	4,414	4,285	2.9	3.0	-0.2	4,408	4,398	4,257	3,957	11.4
Fabricated metal products.....	87,093	86,743	86,399	0.4	0.4	0.5	86,825	87,201	87,520	89,124	-2.6
Machinery.....	120,665	120,565	119,356	0.1	1.0	0.7	119,453	119,993	119,508	106,783	11.9
Construction machinery.....	16,857	16,770	16,325	0.5	2.7	1.5	16,102	16,352	16,029	10,094	59.5
Mining, oil field, and gas field machinery.....	14,304	14,141	13,927	1.2	1.5	-1.7	14,314	14,190	14,166	14,216	0.7
Industrial machinery.....	8,743	8,598	8,605	1.7	-0.1	-0.4	8,598	8,635	8,800	7,854	9.5
Photographic equipment.....	3,541	3,875	3,797	-8.6	2.1	0.2	3,627	3,942	3,835	4,208	-13.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	6,806	6,610	6,244	3.0	5.9	1.2	6,691	6,410	6,192	5,206	28.5
Metalworking machinery.....	6,023	6,199	6,027	-2.8	2.9	2.3	5,914	6,113	5,978	5,814	1.7
Turbines, generators, and other power transmission equipment.....	29,193	29,108	29,384	0.3	-0.9	1.8	29,083	29,009	29,426	26,851	8.3
Material handling equipment.....	11,775	11,763	11,525	0.1	2.1	2.0	11,784	11,735	11,544	10,363	13.7
Computers and electronic products ²	144,826	143,849	142,545	0.7	0.9	0.5	144,753	142,910	142,645	135,409	6.9
Computers.....	4,052	3,912	3,835	3.6	2.0	3.5	4,052	3,912	3,835	3,332	21.6
Nondefense communications equipment.....	34,820	35,014	34,625	-0.6	1.1	1.3	34,663	34,747	34,430	30,039	15.4
Defense communications equipment.....	3,433	3,511	3,404	-2.2	3.1	-3.0	3,466	3,496	3,394	4,027	-13.9
Electronic components.....	12,873	12,873	12,862	0.0	0.1	0.0	12,853	12,955	12,873	12,676	1.4
Nondefense search and navigation equipment.....	21,231	20,794	20,354	2.1	2.2	1.9	21,336	20,841	20,544	17,191	24.1
Defense search and navigation equipment.....	41,693	41,169	41,228	1.3	-0.1	-0.4	41,695	40,795	41,308	42,580	-2.1
Electromedical, measuring, and control instruments.....	26,724	26,576	26,237	0.6	1.3	0.2	26,688	26,164	26,261	25,564	4.4
Electrical equipment, appliances, and components.....	25,320	24,808	24,541	2.1	1.1	-0.1	24,855	24,763	24,821	21,860	13.7
Electric lighting equipment.....	1,134	1,146	1,154	-1.0	-0.7	1.2	1,165	1,158	1,162	1,229	-5.2
Household appliances.....	919	899	865	2.2	3.9	-1.6	881	817	841	714	23.4
Electrical equipment.....	12,386	12,229	12,151	1.3	0.6	1.1	12,144	12,295	12,353	11,196	8.5
Transportation equipment.....	742,648	741,733	737,752	0.1	0.5	8.2	737,627	735,061	736,561	637,092	15.8
Motor vehicle bodies, parts, and trailers.....	17,408	17,196	16,870	1.2	1.9	0.5	17,079	16,914	16,512	16,159	5.7
Nondefense aircraft and parts.....	572,179	570,320	565,320	0.3	0.9	11.1	568,049	564,422	563,240	462,928	22.7
Defense aircraft and parts.....	62,340	63,355	63,911	-1.6	-0.9	-0.9	61,475	62,502	64,100	65,649	-6.4
Ships and boats.....	19,662	19,952	20,044	-1.5	-0.5	0.0	19,810	20,342	20,752	20,149	-1.7
Furniture and related products.....	6,697	6,611	6,520	1.3	1.4	0.0	6,610	6,459	6,911	6,112	8.1

^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 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 Sep. 2014/ 2013
	Monthly			Percent Change			Monthly				
	Sept. 2014 ^p	Aug. 2014 ^r	July 2014	Aug. - Sept.	July - Aug.	June - July	Sept. 2014 ^p	Aug. 2014 ^r	July 2014	Sept. 2013	
All manufacturing industries.....	655,190	653,641	653,068	0.2	0.1	0.0	654,832	658,284	656,295	632,639	3.5
Excluding transportation.....	524,293	523,762	523,745	0.1	0.0	-0.1	524,063	527,295	525,687	513,804	-2.0
Excluding defense.....	626,194	624,342	623,871	0.3	0.1	0.0	625,991	629,034	626,949	604,822	3.5
With unfilled orders.....	332,242	330,808	329,341	0.4	0.4	0.5	331,353	334,459	332,515	312,012	6.2
Durable goods industries.....	404,558	402,908	401,361	0.4	0.4	0.4	403,617	406,780	404,423	381,124	5.9
Wood products.....	10,689	10,683	10,684	0.1	0.0	0.1	10,621	10,602	10,512	9,863	7.7
Nonmetallic mineral products.....	12,069	12,012	12,064	0.5	-0.4	-1.4	11,893	11,938	12,122	11,539	3.1
Primary metals.....	37,391	37,159	36,827	0.6	0.9	1.1	37,486	37,473	36,932	35,274	6.3
Iron and steel mills.....	21,556	21,413	21,132	0.7	1.3	0.9	21,685	21,605	21,170	20,236	7.2
Aluminum and nonferrous metals.....	13,594	13,480	13,418	0.8	0.5	1.6	13,602	13,585	13,516	12,853	5.8
Ferrous metal foundries.....	2,241	2,266	2,277	-1.1	-0.5	0.1	2,199	2,283	2,246	2,185	0.6
Fabricated metal products.....	49,940	49,841	49,646	0.2	0.4	0.6	49,888	50,131	50,186	47,529	5.0
Machinery.....	67,677	67,354	67,326	0.5	0.0	0.3	67,375	68,155	67,641	65,868	2.3
Farm machinery.....	3,755	3,812	3,960	-1.5	-3.7	-1.4	3,491	3,658	3,850	3,617	-3.5
Construction machinery.....	5,223	5,115	5,076	2.1	0.8	1.6	5,230	5,047	5,013	5,326	-1.8
Mining, oil field, and gas field machinery.....	6,640	6,497	6,547	2.2	-0.8	1.1	6,637	6,561	6,614	7,286	-8.9
Industrial machinery.....	6,701	6,733	6,758	-0.5	-0.4	0.3	6,716	6,803	6,714	6,365	5.5
Photographic equipment.....	1,528	1,564	1,526	-2.3	2.5	0.3	1,528	1,616	1,554	1,626	-6.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,145	5,114	5,048	0.6	1.3	1.2	5,035	5,209	5,167	4,738	6.3
Metalworking machinery.....	5,649	5,604	5,629	0.8	-0.4	0.5	5,806	5,720	5,714	5,600	3.7
Turbines, generators, and other power transmission equipment.....	10,895	10,876	10,757	0.2	1.1	0.1	10,859	11,426	11,005	10,382	4.6
Material handling equipment.....	4,683	4,704	4,694	-0.4	0.2	0.2	4,834	4,863	4,809	4,683	3.2
Computers and electronic products ²	48,747	48,684	48,446	0.1	0.5	0.0	48,623	49,575	48,968	46,769	4.0
Computers.....	933	914	917	2.1	-0.3	2.5	976	976	944	972	0.4
Computer storage devices.....	2,075	2,066	2,088	0.4	-1.1	4.6	2,022	2,166	2,135	1,867	8.3
Other peripheral equipment.....	1,694	1,679	1,697	0.9	-1.1	-0.5	1,629	1,736	1,724	1,560	4.4
Nondefense communications equipment.....	6,542	6,542	6,499	0.0	0.7	-1.5	6,454	6,634	6,469	6,201	4.1
Defense communications equipment.....	988	1,075	1,163	-8.1	-7.6	-2.9	988	1,075	1,163	1,302	-24.1
Audio and video equipment.....	895	864	846	3.6	2.1	4.3	1,016	926	857	769	32.1
Electronic components.....	8,989	8,957	8,857	0.4	1.1	-0.2	8,883	8,995	8,960	8,149	9.0
Nondefense search and navigation equipment.....	3,818	3,794	3,791	0.6	0.1	0.2	3,817	3,848	3,822	3,614	5.6
Defense search and navigation equipment.....	3,272	3,240	3,233	1.0	0.2	2.1	3,211	3,257	3,307	2,909	10.4
Electromedical, measuring and control instruments.....	12,939	12,996	12,894	-0.4	0.8	0.8	12,709	13,327	13,088	12,114	4.9
Electrical equipment, appliances, and components.....	16,577	16,749	16,636	-1.0	0.7	2.7	16,273	16,947	16,839	16,423	-0.9
Electric lighting equipment.....	2,304	2,283	2,271	0.9	0.5	0.2	2,277	2,313	2,356	2,079	9.5
Household appliances.....	1,967	2,001	2,004	-1.7	-0.1	0.2	1,973	2,073	2,049	1,850	6.6
Electrical equipment.....	4,805	4,814	4,808	-0.2	0.1	0.7	4,522	4,869	4,866	4,494	6.6
Batteries.....	1,231	1,206	1,213	2.1	-0.6	0.4	1,246	1,237	1,227	1,171	6.4
Transportation equipment.....	130,897	129,879	129,323	0.8	0.4	0.3	130,769	130,989	130,608	118,835	10.0
Automobiles.....	2,960	2,889	2,840	2.5	1.7	4.2	3,054	2,844	2,856	2,813	8.6
Light trucks and utility vehicles.....	2,774	2,747	2,783	1.0	-1.3	-1.8	2,844	2,773	2,813	2,507	13.4
Heavy duty trucks.....	1,552	1,587	1,548	-2.2	2.5	-4.1	1,528	1,584	1,513	1,748	-12.6
Motor vehicle bodies, parts, and trailers.....	20,039	19,730	19,496	1.6	1.2	0.4	20,089	19,832	19,670	18,503	8.6
Nondefense aircraft and parts.....	73,803	73,035	73,024	1.1	0.0	0.8	73,471	73,909	73,865	64,983	13.1
Defense aircraft and parts.....	14,326	14,588	14,421	-1.8	1.2	1.6	14,298	14,642	14,546	13,504	5.9
Ships and boats.....	2,306	2,278	2,306	1.2	-1.2	-3.3	2,294	2,248	2,257	2,372	-3.3
Furniture and related products.....	6,288	6,276	6,244	0.2	0.5	0.5	6,290	6,400	6,425	5,974	5.3
Miscellaneous durable goods.....	24,283	24,271	24,165	0.0	0.4	0.7	24,399	24,570	24,190	23,050	5.9
Nondurable goods industries.....	250,632	250,733	251,707	0.0	-0.4	-0.7	251,215	251,504	251,872	251,515	-0.1
Food products.....	47,431	47,476	47,625	-0.1	-0.3	0.2	48,248	47,904	47,009	48,072	0.4
Grain and oilseed milling.....	4,926	4,881	4,914	0.9	-0.7	-1.5	4,736	4,698	4,679	4,916	-3.7
Dairy products.....	6,486	6,532	6,444	-0.7	1.4	0.4	6,509	6,738	6,703	6,055	7.5
Meat, poultry, and seafood products.....	9,243	9,336	9,398	-1.0	-0.7	0.0	9,376	9,509	9,415	9,236	1.5
Beverage and tobacco products.....	21,083	20,942	20,767	0.7	0.8	-0.4	21,071	20,258	20,057	20,348	3.6
Beverages.....	16,841	16,719	16,605	0.7	0.7	-0.1	16,900	16,241	16,095	16,289	3.8
Tobacco.....	4,242	4,223	4,162	0.4	1.5	-1.6	4,171	4,017	3,962	4,059	2.8
Textile mills.....	3,472	3,466	3,457	0.2	0.3	0.7	3,460	3,484	3,482	3,338	3.7
Textile products.....	3,145	3,144	3,152	0.0	-0.3	0.7	3,150	3,148	3,159	3,091	1.9
Apparel.....	2,758	2,739	2,745	0.7	-0.2	1.7	2,917	2,909	2,905	2,348	24.2
Leather and allied products.....	1,081	1,071	1,067	0.9	0.4	-0.3	1,112	1,093	1,087	1,083	2.7
Paper products.....	14,660	14,604	14,572	0.4	0.2	0.2	14,636	14,684	14,607	14,390	1.7
Pulp, paper, and paperboard mills.....	6,123	6,054	6,030	1.1	0.4	-0.7	6,080	6,079	6,041	6,036	0.7
Paperboard containers.....	4,367	4,379	4,382	-0.3	-0.1	0.7	4,348	4,381	4,368	4,153	4.7
Printing.....	5,926	5,893	5,866	0.6	0.5	0.1	5,991	6,110	6,015	5,598	7.0
Petroleum and coal products.....	46,630	47,118	48,400	-1.0	-2.6	-3.2	47,182	47,531	48,910	49,789	-5.2
Petroleum refineries.....	42,953	43,366	44,601	-1.0	-2.8	-3.6	43,554	43,725	45,051	46,175	-5.7
Chemical products.....	81,827	81,697	81,567	0.2	0.2	-0.3	81,048	81,916	82,187	81,187	-0.2
Pesticides, fertilizers, and other agricultural chemicals.....	4,272	4,352	4,319	-1.8	0.8	-0.4	3,959	4,098	4,006	3,885	1.9
Pharmaceuticals and medicines.....	30,911	30,890	31,091	0.1	-0.6	-0.9	30,550	30,929	31,403	31,157	-1.9
Paints, coatings, and adhesives.....	3,452	3,396	3,385	1.6	0.3	0.5	3,357	3,380	3,454	3,167	6.0
Plastics and rubber products.....	22,619	22,583	22,489	0.2	0.4	0.3	22,400	22,467	22,454	22,271	0.6

^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.]

Table with columns: Industry, Seasonally Adjusted (Monthly, Percent Change), Not Seasonally Adjusted (Monthly, Year to date), and % Change. Rows include SHIPMENTS, NEW ORDERS, UNFILLED ORDERS, and TOTAL INVENTORIES for various manufacturing categories.

X Not Applicable, Preliminary, 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.
2 Topical series are regroupings of the separate industry categories.
3 Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.
4 Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.
5 Estimates and percent changes exclude semiconductor industry data.
6 Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.
See note at end of Table 2 relating to survey error and revision.

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group ¹

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ²			
	Sep 2014 ^a	Aug 2014 ^b	Jul 2014	Jun 2014	Sep 2014 ^a	Aug 2014 ^b	Jul 2014	Jun 2014
	All manufacturing industries ³	1.30	1.30	1.29	1.30	(X)	(X)	(X)
Durable goods industries ³	1.64	1.64	1.61	1.66	6.71	6.71	6.62	6.47
Wood products.....	1.29	1.27	1.25	1.25	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.29	1.31	1.31	1.35	(X)	(X)	(X)	(X)
Primary metals.....	1.34	1.34	1.34	1.35	1.45	1.43	1.42	1.44
Fabricated metal products.....	1.64	1.65	1.64	1.64	2.95	2.95	2.94	2.95
Machinery.....	1.82	1.82	1.82	1.88	3.42	3.42	3.43	3.53
Computers and electronic products ³	1.67	1.65	1.62	1.67	7.56	7.49	7.42	7.43
Electrical equipment, appliances, and components.....	1.54	1.57	1.57	1.56	2.63	2.58	2.56	2.61
Transportation equipment.....	1.80	1.80	1.69	1.82	15.87	15.99	15.27	14.91
Furniture and related products.....	1.07	1.07	1.08	1.09	1.36	1.34	1.33	1.35
Miscellaneous products.....	1.66	1.66	1.66	1.66	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.97	0.98	0.97	0.97	(X)	(X)	(X)	(X)
Food products.....	0.72	0.72	0.72	0.72	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.75	1.74	1.69	1.73	(X)	(X)	(X)	(X)
Textiles.....	1.29	1.30	1.27	1.27	(X)	(X)	(X)	(X)
Textile products.....	1.49	1.50	1.52	1.48	(X)	(X)	(X)	(X)
Apparel.....	2.27	2.34	2.21	2.16	(X)	(X)	(X)	(X)
Leather and allied products.....	2.21	2.15	2.15	2.14	(X)	(X)	(X)	(X)
Paper products.....	1.01	1.01	1.00	1.01	(X)	(X)	(X)	(X)
Printing.....	0.91	0.91	0.90	0.89	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.67	0.68	0.69	0.69	(X)	(X)	(X)	(X)
Chemical products.....	1.29	1.29	1.29	1.30	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.19	1.19	1.18	1.18	(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 Changes ¹

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Sep ² 2014	Sep ³ 2013-Aug 2014	Sep ² 2014	Sep ³ 2013-Aug 2014	Sep ² 2014	Sep ³ 2013-Aug 2014	Sep ² 2014	Sep ³ 2013-Aug 2014
	All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)
Durable goods industries.....	0.2	0.3	0.2	0.5	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.1	0.5	0.3	0.6	0.2	0.4	0.0	0.3
Fabricated metal products.....	0.2	0.3	0.1	1.4	0.0	0.2	0.0	0.1
Machinery.....	0.7	0.5	0.2	0.8	-0.2	0.2	0.1	0.2
Computers and electronic products.....	-0.1	0.6	0.2	1.2	0.1	0.2	-0.2	0.2
Electrical equipment, appliances, and components.....	1.1	0.8	1.2	1.2	0.1	0.4	-0.1	0.7
Transportation equipment.....	0.2	0.4	0.2	0.8	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.5	(X)	0.7	(X)	0.5	(X)	0.2
Miscellaneous products.....	(X)	0.5	(X)	0.4	(X)	0.3	(X)	0.2
Nondurable goods industries.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Textiles.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.4
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.6
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.5

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>.

Release Dates for the M3 Survey

Survey month	Advance Report (8:30 a.m. release time)	Full Report (10:00 a.m. release time)
October 2014	November 26, 2014	December 5, 2014
November 2014	December 23, 2014	January 6, 2015
December 2014	January 27, 2015	February 3, 2015
January 2015	February 26, 2015	March 5, 2015
February 2015	March 25, 2015	April 2, 2015
March 2015	April 24, 2015	May 4, 2015
April 2015	May 26, 2015	June 2, 2015
May 2015	June 23, 2015	July 2, 2015
June 2015	July 27, 2015	August 4, 2015
July 2015	August 26, 2015	September 2, 2015
August 2015	September 24, 2015	October 2, 2015
September 2015	October 27, 2015	November 3, 2015
October 2015	November 25, 2015	December 3, 2015
November 2015	December 23, 2015	Not available at this time