

# U.S. Census Bureau News

U.S. Department of Commerce • Washington, D.C. 20233

FOR IMMEDIATE RELEASE

TUESDAY, NOVEMBER 3, 2015, AT 10:00 A.M. EST

Adriana Stoica  
Economic Indicators Division  
(301) 763-4832

M3-2 (15)-09  
CB15-179

## Full Report on Manufacturers' Shipments, Inventories and Orders September 2015

**Summary.** New orders for manufactured goods in September, down two consecutive months, decreased \$4.7 billion or 1.0 percent to \$466.3 billion, the U.S. Census Bureau reported today. This followed a 2.1 percent August decrease. Shipments, down five of the last six months, decreased \$1.8 billion or 0.4 percent to \$477.3 billion. This followed a 0.9 percent August decrease. Unfilled orders, down two consecutive months, decreased \$6.2 billion or 0.5 percent to \$1,187.9 billion. This followed a 0.3 percent August decrease. The unfilled orders-to-shipments ratio was 6.88, down from 6.89 in August. Inventories, down three consecutive months, decreased \$2.4 billion or 0.4 percent to \$645.1 billion. This followed a 0.4 percent August decrease. The inventories-to-shipments ratio was 1.35, unchanged from August.

**New Orders.** New orders for manufactured durable goods in September, down two consecutive months, decreased \$2.8 billion or 1.2 percent to \$231.2 billion, virtually unchanged from the previously published decrease. This followed a 2.9 percent August decrease. Transportation equipment, also down two consecutive months, led the decrease, \$2.4 billion or 3.1 percent to \$75.3 billion. New orders for manufactured nondurable goods decreased \$2.0 billion or 0.8 percent to \$235.1 billion.

**Shipments.** Shipments of manufactured durable goods in September, up three of the last four months, increased \$0.2 billion or 0.1 percent to \$242.2 billion, down from the previously published 0.2 percent increase. This followed a 0.5 percent August decrease. Transportation equipment, also up three of the last four months, drove the increase, \$0.3 billion or 0.4 percent to \$80.8 billion. Shipments of manufactured nondurable goods, down three consecutive months, decreased \$2.0 billion or 0.8 percent to \$235.1 billion. This followed a 1.3 percent August decrease. Petroleum and coal products, also down three consecutive months, drove the decrease, \$2.5 billion or 5.4 percent to \$43.0 billion.

**Unfilled Orders.** Unfilled orders for manufactured durable goods in September, down two consecutive months, decreased \$6.2 billion or 0.5 percent to \$1,187.9 billion, up from the previously published 0.6 percent decrease. This followed a 0.3 percent August decrease. Transportation equipment, also down two consecutive months, led the decrease, \$5.5 billion or 0.7 percent to \$794.1 billion.

**Inventories.** Inventories of manufactured durable goods in September, down four of the last five months, decreased \$1.5 billion or 0.4 percent to \$399.1 billion, down from the previously published 0.3 percent decrease. This followed a 0.2 percent August decrease. Transportation equipment, down two of the last three months, led the decrease, \$0.9 billion or 0.7 percent to \$131.5 billion. Inventories of manufactured nondurable goods, down three consecutive months, decreased \$0.9 billion or 0.4 percent to \$246.1 billion. This followed a 0.7 percent August decrease. Petroleum and coal products, also down three consecutive months, drove the decrease, \$1.2 billion or 3.4 percent to \$33.3 billion. By stage of fabrication, September materials and supplies decreased 0.6 percent in durable goods and decreased 0.1 percent in nondurable goods. Work in process decreased 0.5 percent in durable goods and decreased 2.0 percent in nondurable goods. Finished goods increased 0.1 percent in durable goods and increased 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](http://www.census.gov/m3).

The Advance Report on durable goods for October is scheduled for release on November 25, 2015 at 8:30 a.m. EST and the Full Report on December 3, 2015 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. To learn more about this release and the other indicators the U.S. Census Bureau publishes, join us for the Investigating Economic Indicators Webinar Series. For more information, visit [www.census.gov/econ/webinar](http://www.census.gov/econ/webinar).

“Virtually unchanged” indicates that the change is less than 0.05 percent for a percent increase or decrease.

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			
	Sep. 2015 <sup>p</sup>	Aug. 2015 <sup>f</sup>	July 2015	Aug. - Sep.	July - Aug.	June - July	Sep. 2015 <sup>p</sup>	Aug. 2015 <sup>f</sup>	July 2015	Sep. 2014	2015 <sup>p</sup>	2014	% Change 2015/2014
All manufacturing industries.....	477,314	479,066	483,362	-0.4	-0.9	-0.2	497,433	489,290	472,386	523,682	4,335,166	4,522,162	-4.1
Excluding transportation.....	396,526	398,571	402,521	-0.5	-1.0	-0.8	410,851	408,209	402,289	445,410	3,634,968	3,876,274	-6.2
Excluding defense.....	464,615	466,675	470,412	-0.4	-0.8	-0.2	483,337	477,092	460,917	510,680	4,227,222	4,416,708	-4.3
With unfilled orders.....	172,758	173,321	173,814	-0.3	-0.3	0.6	183,448	175,287	164,588	182,208	1,551,159	1,512,964	2.5
Durable goods industries.....	242,186	241,985	243,200	0.1	-0.5	1.0	256,592	245,702	230,210	254,641	2,164,764	2,120,853	2.1
Wood products.....	8,105	7,990	8,084	1.4	-1.2	2.1	8,445	8,511	8,568	8,593	73,361	74,088	-1.0
Nonmetallic mineral products.....	9,787	9,718	9,799	0.7	-0.8	1.6	10,587	10,630	10,544	10,709	88,051	87,433	0.7
Primary metals.....	20,140	20,346	20,710	-1.0	-1.8	-1.9	20,586	20,890	20,460	24,507	194,187	211,397	-8.1
Iron and steel mills.....	9,304	9,461	9,662	-1.7	-2.1	-1.6	9,487	9,726	9,552	12,260	90,287	105,885	-14.7
Aluminum and nonferrous metals.....	9,216	9,227	9,440	-0.1	-2.3	-2.7	9,354	9,477	9,354	10,436	89,400	90,505	-1.6
Ferrous metal foundries.....	1,620	1,658	1,608	-2.3	3.1	0.3	1,745	1,687	1,554	1,811	14,860	15,007	-1.0
Fabricated metal products.....	29,421	29,640	29,822	-0.7	-0.6	-0.2	30,990	30,997	29,634	32,263	271,258	271,547	-0.1
Machinery.....	33,392	33,411	33,656	-0.1	-0.7	-0.8	34,126	32,852	32,656	36,448	300,959	307,609	-2.2
Farm machinery.....	1,595	1,708	1,700	-6.6	0.5	-3.7	1,487	1,583	1,591	3,492	15,539	27,994	-44.5
Construction machinery.....	3,336	3,487	3,647	-4.3	-4.4	1.1	3,040	3,173	3,415	2,802	31,990	24,672	29.7
Mining, oil field, and gas field machinery.....	1,545	1,579	1,693	-2.2	-6.7	-2.4	1,620	1,579	1,611	2,887	16,366	24,997	-34.5
Industrial machinery.....	3,084	2,928	2,960	5.3	-1.1	-7.9	3,466	2,774	2,824	2,970	25,185	26,244	-4.0
Photographic equipment.....	506	523	538	-3.3	-2.8	-2.0	579	518	502	694	4,679	5,127	-8.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,927	3,937	3,966	-0.3	-0.7	1.6	4,084	4,103	4,423	4,130	36,202	35,806	1.1
Metalworking machinery.....	3,203	3,208	3,234	-0.2	-0.8	8.5	3,437	3,224	3,164	2,843	26,261	22,895	14.7
Turbines, generators, and other power transmission equipment.....	4,175	4,047	3,893	3.2	4.0	-6.8	4,133	4,086	3,775	4,385	37,079	34,859	6.4
Material handling equipment.....	2,724	2,703	2,692	0.8	0.4	3.3	2,830	2,793	2,663	2,535	23,013	21,662	6.2
Computers and electronic products <sup>2</sup> .....	29,643	29,536	29,177	0.4	1.2	-0.3	32,745	29,621	27,954	31,179	259,529	252,765	2.7
Computers.....	663	670	710	-1.0	-5.6	1.6	727	643	623	703	5,979	6,397	-6.5
Computer storage devices.....	481	465	479	3.4	-2.9	0.8	727	368	286	799	4,148	5,349	-22.5
Other peripheral equipment.....	824	880	952	-6.4	-7.6	-4.2	1,003	731	752	1,248	8,306	8,357	-0.6
Nondefense communications equipment.....	3,384	3,285	3,381	3.0	-2.8	-0.9	4,044	3,225	2,957	3,914	30,026	29,156	3.0
Defense communications equipment.....	312	345	313	-9.6	10.2	10.6	350	334	293	433	3,022	3,392	-10.9
Audio and video equipment.....	273	256	247	6.6	3.6	-0.8	279	245	230	287	2,027	2,679	-24.3
Electronic components.....	4,804	4,798	4,863	0.1	-1.3	1.6	5,146	5,123	5,067	4,117	41,694	33,476	24.5
Nondefense search and navigation equipment.....	1,404	1,394	1,357	0.7	2.7	0.4	1,638	1,404	1,198	1,460	12,017	11,009	9.2
Defense search and navigation equipment.....	2,684	2,752	2,795	-2.5	-1.5	2.3	2,923	2,808	2,496	2,870	23,639	23,023	2.7
Electromedical, measuring, and control instruments.....	9,813	9,690	9,433	1.3	2.7	1.9	11,196	9,227	8,584	10,223	83,688	78,600	6.5
Electrical equipment, appliances, and components.....	10,237	10,167	10,378	0.7	-2.0	1.7	10,855	10,378	10,078	11,483	93,210	94,414	-1.3
Electric lighting equipment.....	1,008	989	1,004	1.9	-1.5	4.6	1,063	1,025	983	1,028	8,588	8,721	-1.5
Household appliances.....	1,563	1,589	1,619	-1.6	-1.9	0.6	1,650	1,589	1,552	1,889	14,578	15,572	-6.4
Electrical equipment.....	3,132	3,113	3,216	0.6	-3.2	3.9	3,402	3,156	3,080	3,677	29,062	30,105	-3.5
Batteries.....	818	820	840	-0.2	-2.4	-4.0	906	827	749	1,098	7,339	7,827	-6.2
Transportation equipment.....	80,788	80,495	80,841	0.4	-0.4	3.0	86,582	81,081	70,097	78,272	700,198	645,888	8.4
Automobiles.....	8,778	8,791	8,935	-0.1	-1.6	-0.9	9,249	8,936	7,292	9,116	79,231	74,595	6.2
Light trucks and utility vehicles.....	14,867	14,148	14,689	5.1	-3.7	9.6	15,873	14,679	11,979	12,368	120,661	109,410	10.3
Heavy duty trucks.....	3,053	3,070	3,203	-0.6	-4.2	1.8	3,214	3,102	3,186	3,190	28,096	23,811	18.0
Motor vehicle bodies, parts, and trailers.....	26,747	26,747	26,844	0.0	-0.4	4.3	27,409	27,546	24,014	24,459	234,287	211,891	10.6
Nondefense aircraft and parts.....	14,404	15,324	13,916	-6.0	10.1	-1.9	16,462	14,634	12,110	14,789	126,658	110,238	14.9
Defense aircraft and parts.....	5,304	5,067	5,279	4.7	-4.0	-3.0	6,102	4,892	4,505	5,214	42,795	41,775	2.4
Ships and boats.....	2,840	2,752	2,844	3.2	-3.2	-0.5	2,849	2,691	2,597	2,940	24,829	25,675	-3.3
Furniture and related products.....	6,433	6,420	6,471	0.2	-0.8	1.5	6,645	6,905	6,646	6,241	57,275	53,659	6.7
Miscellaneous durable goods.....	14,240	14,262	14,262	-0.2	0.0	1.2	15,031	13,837	13,573	14,946	126,736	122,053	3.8
Nondurable goods industries.....	235,128	237,081	240,162	-0.8	-1.3	-1.4	240,841	243,588	242,176	269,041	2,170,402	2,401,309	-9.6
Food products.....	66,455	66,161	66,025	0.4	0.2	0.2	68,177	66,696	63,642	68,607	589,514	596,193	-1.1
Grain and oilseed milling.....	8,138	8,299	8,382	-1.9	-1.0	1.4	8,255	8,490	8,016	8,453	72,542	73,267	-1.0
Dairy products.....	9,890	9,919	9,897	-0.3	0.2	-0.4	10,132	10,113	9,881	11,122	89,179	96,819	-7.9
Meat, poultry, and seafood products.....	19,220	18,859	18,969	1.9	-0.6	-0.1	19,544	19,018	18,684	20,368	172,509	177,855	-3.0
Beverage and tobacco products.....	12,864	12,665	12,442	1.6	1.8	-0.4	13,246	13,048	12,650	12,790	112,836	111,049	1.6
Beverages.....	9,082	9,005	8,950	0.9	0.6	0.7	9,464	9,388	9,158	9,383	80,824	81,288	-0.6
Tobacco.....	3,782	3,660	3,492	3.3	4.8	-3.1	3,782	3,660	3,492	3,407	32,012	29,761	7.6
Textile mills.....	2,569	2,562	2,559	0.3	0.1	-0.5	2,640	2,681	2,576	2,690	23,425	23,992	-2.4
Textile products.....	1,955	1,951	1,935	0.2	0.8	1.7	1,957	2,058	1,978	1,876	17,589	17,255	1.9
Apparel.....	1,165	1,167	1,154	-0.2	1.1	2.4	1,228	1,277	1,167	1,199	9,987	9,460	5.6
Leather and allied products.....	451	447	463	0.9	-3.5	0.7	456	438	449	465	4,144	4,113	0.8
Paper products.....	16,003	16,063	16,075	-0.4	-0.1	0.6	16,379	16,531	16,404	17,015	145,366	145,952	-0.4
Pulp, paper, and paperboard mills.....	7,008	7,079	7,096	-1.0	-0.2	0.5	7,174	7,346	7,237	7,248	64,285	63,496	1.2
Paperboard containers.....	5,243	5,224	5,200	0.4	0.5	-0.2	5,371	5,402	5,468	5,971	47,340	48,988	-3.4
Printing.....	7,241	7,208	7,350	0.5	-1.9	1.2	7,589	7,237	7,072	7,354	64,217	62,051	3.5
Petroleum and coal products.....	42,992	45,458	48,530	-5.4	-6.3	-7.7	44,270	49,354	52,312	70,635	447,587	656,204	-31.8
Petroleum refineries.....	39,436	41,838	44,834	-5.7	-6.7	-8.6	40,153	45,028	47,991	65,608	413,661	618,687	-33.1
Chemical products.....	64,397	64,303	64,339	0.1	-0.1	0.8	65,534	64,618	64,327	66,385	581,104	596,977	-2.7
Pesticides, fertilizers, and other agricultural chemicals.....	5,145	5,050	4,939	1.9	2.2	5.2	4,504	4,080	4,132	3,555	45,838	39,449	16.2
Pharmaceuticals and medicines.....	17,001	16,677	16,534	1.9	0.9	5.0	17,813	16,817	16,670	14,687	142,026	131,932	7.7
Paints, coatings, and adhesives.....	3,422	3,374	3,294	1.4	2.4	1.4	3,441	3,529	3,588	3,251	30,766	30,061	2.3
Plastics and rubber products.....	19,036	19,096	19,290	-0.3	-1.0	-0.3	19,365	19,650	19,599	20,025	174,633	178,063	-1.9

<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 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		
	Sep. 2015 <sup>p</sup>	Aug. 2015 <sup>f</sup>	July 2015	Aug. - Sep.	July - Aug.	June - July	Sep. 2015 <sup>p</sup>	Aug. 2015 <sup>f</sup>	July 2015	Sep. 2014	2015 <sup>p</sup>	2014	% Change 2015/2014
All manufacturing industries <sup>2</sup> .....	466,303	471,041	481,206	-1.0	-2.1	0.2	486,939	472,263	469,006	524,051	4,257,191	4,588,561	-7.2
Excluding transportation <sup>2</sup> .....	390,976	393,320	397,742	-0.6	-1.1	-0.7	404,333	399,370	395,455	442,152	3,589,224	3,858,045	-7.0
Excluding defense <sup>2</sup> .....	453,395	459,648	467,585	-1.4	-1.7	-0.3	471,882	464,051	457,644	512,308	4,158,736	4,480,575	-7.2
With unfilled orders <sup>2</sup> .....	166,519	170,048	176,054	-2.1	-3.4	1.6	177,416	163,493	166,449	187,517	1,516,143	1,629,044	-6.9
Durable goods industries <sup>2</sup> .....	231,175	233,960	241,044	-1.2	-2.9	1.9	246,098	228,675	226,830	255,010	2,086,789	2,187,252	-4.6
Primary metals.....	19,640	20,286	20,513	-3.2	-1.1	-2.2	19,440	20,149	20,073	24,491	191,833	213,042	-10.0
Iron and steel mills.....	8,823	9,512	9,470	-7.2	0.4	-2.3	8,531	9,341	9,200	12,205	89,075	106,671	-16.5
Aluminum and nonferrous metals.....	9,199	9,203	9,444	0.0	-2.6	-1.6	9,281	9,255	9,266	10,522	88,208	91,115	-3.2
Ferrous metal foundries.....	1,618	1,571	1,599	3.0	-1.8	-5.8	1,628	1,553	1,607	1,764	14,550	15,256	-4.6
Fabricated metal products.....	29,726	29,090	29,879	2.2	-2.6	-1.4	30,719	29,776	29,780	31,923	271,476	276,774	-1.9
Machinery.....	32,656	32,955	33,140	-0.9	-0.6	1.5	32,919	32,162	31,721	36,178	293,762	320,820	-8.4
Construction machinery.....	3,142	3,376	3,361	-6.9	0.4	3.1	2,745	3,258	2,797	2,648	28,539	27,090	5.3
Mining, oil field, and gas field machinery.....	1,320	1,413	1,412	-6.6	0.1	2.5	1,436	1,348	1,377	2,729	14,591	25,669	-43.2
Industrial machinery.....	2,998	2,969	2,945	1.0	0.8	-2.5	3,224	2,702	2,781	3,119	24,572	27,094	-9.3
Photographic equipment.....	512	547	535	-6.4	2.2	16.6	595	545	529	547	4,857	5,044	-3.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,867	3,928	3,969	-1.6	-1.0	0.7	4,140	3,963	4,186	4,486	36,259	37,178	-2.5
Metalworking machinery.....	3,051	3,149	3,122	-3.1	0.9	9.6	3,239	3,134	3,069	2,592	25,875	23,016	12.4
Turbines, generators, and other power transmission equipment.....	4,186	3,823	3,696	9.5	3.4	-1.6	4,091	3,725	3,609	4,523	34,156	38,790	-11.9
Material handling equipment.....	2,924	2,648	2,905	10.4	-8.8	-2.4	3,053	2,580	2,723	2,599	24,415	22,942	6.4
Computers and electronic products <sup>2</sup> .....	25,125	25,252	25,280	-0.5	-0.1	1.0	29,112	23,975	23,068	28,008	223,007	211,192	5.6
Computers.....	651	660	671	-1.4	-1.6	-12.1	715	633	584	786	6,075	6,797	-10.6
Nondefense communications equipment.....	3,631	3,503	3,726	3.7	-6.0	-0.2	4,363	3,223	3,296	4,063	32,892	33,144	-0.8
Defense communications equipment.....	310	351	358	-11.7	-2.0	25.2	384	339	330	407	3,181	3,155	0.8
Electronic components.....	4,786	4,760	4,844	0.5	-1.7	0.9	5,018	5,153	5,095	4,005	42,010	33,676	24.7
Nondefense search and navigation equipment.....	1,605	1,682	1,598	-4.6	5.3	4.2	1,867	1,632	1,443	1,854	14,532	13,866	4.8
Defense search and navigation equipment.....	2,701	2,723	2,790	-0.8	-2.4	12.1	3,283	2,421	2,377	3,498	23,116	22,750	1.6
Electromedical, measuring, and control instruments.....	9,634	9,723	9,364	-0.9	3.8	-1.4	11,223	8,950	8,448	10,876	84,696	79,773	6.2
Electrical equipment, appliances, and components.....	10,180	10,152	10,232	0.3	-0.8	1.2	10,625	10,243	9,509	11,807	92,783	96,785	-4.1
Electric lighting equipment.....	991	1,016	1,004	-2.5	1.2	5.9	1,018	1,033	985	1,035	8,576	8,747	-2.0
Household appliances.....	1,557	1,493	1,517	4.3	-1.6	-5.4	1,638	1,447	1,444	2,005	14,456	15,726	-8.1
Electrical equipment.....	3,116	3,174	3,291	-1.8	-3.6	4.2	3,207	3,154	3,164	3,696	29,539	30,813	-4.1
Transportation equipment.....	75,327	77,721	83,464	-3.1	-6.9	4.9	82,606	72,893	73,551	81,899	667,967	730,516	-8.6
Motor vehicle bodies, parts, and trailers.....	26,794	26,677	26,933	0.4	-1.0	4.8	27,310	27,529	23,585	24,705	233,171	213,202	9.4
Nondefense aircraft and parts.....	9,123	14,245	16,051	-36.0	-11.3	-8.6	12,447	10,685	16,238	18,739	107,100	188,275	-43.1
Defense aircraft and parts.....	6,271	5,028	4,356	24.7	15.4	-14.3	7,691	3,165	3,331	4,089	37,563	38,494	-2.4
Ships and boats.....	2,274	2,332	3,342	-2.5	-30.2	20.0	2,004	1,997	2,738	2,002	21,181	32,643	-35.1
Furniture and related products.....	6,409	6,554	6,382	-2.2	2.7	1.4	6,634	6,519	6,434	6,448	57,825	54,589	5.9
Nondurable goods industries.....	235,128	237,081	240,162	-0.8	-1.3	-1.4	240,841	243,588	242,176	269,041	2,170,402	2,401,309	-9.6

<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				% Change September 2015/ 2014
	Monthly			Percent Change			Monthly				
	Sep. 2015 <sup>P</sup>	Aug. 2015 <sup>F</sup>	July 2015	Aug. - Sep.	July - Aug.	June - July	Sep. 2015 <sup>P</sup>	Aug. 2015 <sup>F</sup>	July 2015	Sep. 2014	
All manufacturing industries <sup>2</sup> .....	1,187,945	1,194,184	1,197,457	-0.5	-0.3	0.2	1,179,886	1,185,918	1,197,712	1,205,891	-2.2
Excluding transportation <sup>2</sup> .....	393,798	394,576	395,075	-0.2	-0.1	-0.1	391,364	393,420	397,026	396,838	-1.4
Excluding defense <sup>2</sup> .....	1,005,463	1,011,911	1,014,186	-0.6	-0.2	0.2	998,341	1,005,334	1,013,142	1,012,935	-1.4
Durable goods industries <sup>2</sup> .....	1,187,945	1,194,184	1,197,457	-0.5	-0.3	0.2	1,179,886	1,185,918	1,197,712	1,205,891	-2.2
Primary metals.....	34,961	35,461	35,521	-1.4	-0.2	-0.6	33,828	34,974	35,715	36,231	-6.6
Iron and steel mills.....	17,831	18,312	18,261	-2.6	0.3	-1.0	17,172	18,128	18,513	19,245	-10.8
Aluminum and nonferrous metals.....	12,126	12,143	12,167	-0.1	-0.2	0.0	11,801	11,874	12,096	12,007	-1.7
Ferrous metal foundries.....	5,004	5,006	5,093	0.0	-1.7	-0.2	4,855	4,972	5,106	4,979	-2.5
Fabricated metal products.....	82,068	81,763	82,313	0.4	-0.7	0.1	82,044	82,315	83,536	82,876	-1.0
Machinery.....	110,671	111,407	111,863	-0.7	-0.4	-0.5	109,982	111,189	111,879	121,281	-9.3
Construction machinery.....	5,943	6,137	6,248	-3.2	-1.8	-4.4	5,691	5,986	5,901	9,207	-38.2
Mining, oil field, and gas field machinery.....	9,217	9,442	9,608	-2.4	-1.7	-2.8	9,364	9,548	9,779	12,687	-26.2
Industrial machinery.....	8,364	8,450	8,409	-1.0	0.5	-0.2	8,227	8,469	8,541	9,881	-16.7
Photographic equipment.....	1,623	1,617	1,593	0.4	1.5	-0.2	1,652	1,636	1,609	1,622	1.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	7,581	7,641	7,650	-0.8	-0.1	0.0	7,437	7,381	7,521	7,284	2.1
Metalworking machinery.....	6,517	6,669	6,728	-2.3	-0.9	-1.6	6,436	6,634	6,724	7,441	-13.5
Turbines, generators, and other power transmission equipment.....	32,134	32,123	32,347	0.0	-0.7	-0.6	32,022	32,064	32,425	35,846	-10.7
Material handling equipment.....	12,184	11,984	12,039	1.7	-0.5	1.8	12,152	11,929	12,142	10,272	18.3
Computers and electronic products <sup>2</sup> .....	135,102	134,848	134,380	0.2	0.3	0.4	134,952	134,123	134,536	126,191	6.9
Computers.....	2,568	2,580	2,590	-0.5	-0.4	-1.5	2,568	2,580	2,590	2,389	7.5
Nondefense communications equipment.....	36,820	36,573	36,355	0.7	0.6	1.0	36,619	36,300	36,302	32,141	13.9
Defense communications equipment.....	2,994	2,996	2,990	-0.1	0.2	1.5	3,051	3,017	3,012	3,070	-0.6
Electronic components.....	10,934	10,952	10,990	-0.2	-0.3	-0.2	10,915	11,043	11,013	10,579	3.2
Nondefense search and navigation equipment.....	19,910	19,709	19,421	1.0	1.5	1.3	20,030	19,801	19,573	16,977	18.0
Defense search and navigation equipment.....	32,402	32,385	32,414	0.1	-0.1	0.0	32,376	32,016	32,403	33,101	-2.2
Electromedical, measuring, and control instruments.....	29,474	29,653	29,620	-0.6	0.1	-0.2	29,393	29,366	29,643	27,934	5.2
Electrical equipment, appliances, and components.....	22,462	22,519	22,534	-0.3	-0.1	-0.6	22,132	22,362	22,497	22,227	-0.4
Electric lighting equipment.....	1,113	1,130	1,103	-1.5	2.4	0.0	1,094	1,139	1,131	1,128	-3.0
Household appliances.....	1,482	1,488	1,584	-0.4	-6.1	-6.0	1,402	1,414	1,556	1,440	-2.6
Electrical equipment.....	9,722	9,738	9,677	-0.2	0.6	0.8	9,579	9,774	9,776	8,898	7.7
Transportation equipment.....	794,147	799,608	802,382	-0.7	-0.3	0.3	788,522	792,498	800,686	809,053	-2.5
Motor vehicle bodies, parts, and trailers.....	21,683	21,636	21,706	0.2	-0.3	0.4	20,914	21,013	21,030	20,231	3.4
Nondefense aircraft and parts.....	608,001	613,282	614,361	-0.9	-0.2	0.3	604,218	608,233	612,182	613,322	-1.5
Defense aircraft and parts.....	65,185	64,218	64,257	1.5	-0.1	-1.4	64,157	62,568	64,295	67,304	-4.7
Ships and boats.....	27,489	28,055	28,475	-2.0	-1.5	1.8	27,305	28,150	28,844	33,641	-18.8
Furniture and related products.....	7,707	7,731	7,597	-0.3	1.8	-1.2	7,599	7,610	7,996	7,277	4.4

<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 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				% Change September 2015/ 2014
	Monthly			Percent Change			Monthly				
	Sep. 2015 <sup>p</sup>	Aug. 2015 <sup>f</sup>	July 2015	Aug. - Sep.	July - Aug.	June - July	Sep. 2015 <sup>p</sup>	Aug. 2015 <sup>f</sup>	July 2015	Sep. 2014	
All manufacturing industries.....	645,129	647,522	650,029	-0.4	-0.4	-0.3	644,138	652,408	653,831	655,582	-1.7
Excluding transportation.....	513,678	515,128	518,367	-0.3	-0.6	-0.3	513,221	519,225	521,092	530,156	-3.2
Excluding defense.....	617,285	618,862	622,121	-0.3	-0.5	-0.3	616,363	623,680	625,689	630,424	-2.2
With unfilled orders.....	325,969	327,107	327,646	-0.3	-0.2	-0.1	324,225	329,998	330,715	320,216	1.3
Durable goods industries.....	399,052	400,531	401,297	-0.4	-0.2	-0.2	397,027	403,719	404,258	391,414	1.4
Wood products.....	11,230	11,197	11,261	0.3	-0.6	-0.1	11,085	11,057	11,097	10,521	5.4
Nonmetallic mineral products.....	13,010	13,001	13,020	0.1	-0.1	-0.6	12,784	12,927	13,037	12,635	1.2
Primary metals.....	36,103	36,417	36,991	-0.9	-1.6	-0.9	35,968	36,494	36,973	38,724	-7.1
Iron and steel mills.....	20,649	20,951	21,349	-1.4	-1.9	-1.2	20,614	20,959	21,258	22,973	-10.3
Aluminum and nonferrous metals.....	13,491	13,482	13,631	0.1	-1.1	-0.4	13,435	13,535	13,714	13,840	-2.9
Ferrous metal foundries.....	1,963	1,984	2,011	-1.1	-1.3	-0.4	1,919	2,000	2,001	1,911	0.4
Fabricated metal products.....	49,074	48,927	48,950	0.3	0.0	-0.4	48,683	49,003	49,365	47,999	1.4
Machinery.....	66,338	66,341	66,675	0.0	-0.5	-0.3	66,168	67,189	67,264	66,616	-0.7
Farm machinery.....	3,167	3,253	3,287	-2.6	-1.0	-1.1	2,969	3,194	3,284	3,575	-17.0
Construction machinery.....	6,933	6,935	7,221	0.0	-4.0	-1.2	6,945	6,899	7,189	5,371	29.3
Mining, oil field, and gas field machinery.....	5,428	5,440	5,466	-0.2	-0.5	-0.4	5,399	5,539	5,545	7,365	-26.7
Industrial machinery.....	6,086	6,100	5,990	-0.2	1.8	-0.8	6,129	6,157	5,929	6,453	-5.0
Photographic equipment.....	1,396	1,382	1,368	1.0	1.0	-0.9	1,401	1,434	1,396	1,344	4.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,307	5,300	5,319	0.1	-0.4	-1.3	5,166	5,370	5,424	5,026	2.8
Metalworking machinery.....	5,543	5,586	5,593	-0.8	-0.1	-0.9	5,660	5,702	5,662	5,562	1.8
Turbines, generators, and other power transmission equipment.....	10,120	10,003	10,033	1.2	-0.3	0.2	10,165	10,363	10,249	10,213	-0.5
Material handling equipment.....	4,245	4,215	4,183	0.7	0.8	0.8	4,364	4,339	4,303	4,004	9.0
Computers and electronic products <sup>2</sup> .....	45,090	45,539	46,019	-1.0	-1.0	-0.1	44,820	46,461	46,486	44,064	1.7
Computers.....	1,102	1,111	1,209	-0.8	-8.1	-5.5	1,156	1,184	1,277	1,175	-1.6
Computer storage devices.....	1,248	1,367	1,438	-8.7	-4.9	-4.8	1,215	1,467	1,474	1,474	-17.6
Other peripheral equipment.....	1,084	1,118	1,191	-3.0	-6.1	-5.4	1,045	1,156	1,213	1,305	-19.9
Nondefense communications equipment.....	4,758	4,737	4,765	0.4	-0.6	-0.4	4,706	4,796	4,745	5,138	-8.4
Defense communications equipment.....	837	834	843	0.4	-1.1	1.4	837	834	843	787	6.4
Audio and video equipment.....	748	768	785	-2.6	-2.2	-5.3	841	824	794	838	0.4
Electronic components.....	8,161	8,194	8,283	-0.4	-1.1	1.0	8,035	8,229	8,345	7,218	11.3
Nondefense search and navigation equipment.....	3,478	3,496	3,487	-0.5	0.3	0.9	3,479	3,559	3,527	3,256	6.8
Defense search and navigation equipment.....	3,207	3,233	3,186	-0.8	1.5	2.4	3,131	3,257	3,265	2,732	14.6
Electromedical, measuring and control instruments.....	14,299	14,395	14,468	-0.7	-0.5	0.0	14,054	14,837	14,674	14,319	-1.9
Electrical equipment, appliances, and components.....	16,475	16,579	16,639	-0.6	-0.4	0.3	16,216	16,842	16,902	16,196	0.1
Electric lighting equipment.....	1,854	1,849	1,834	0.3	0.8	0.3	1,852	1,879	1,891	1,858	-0.3
Household appliances.....	2,119	2,091	2,078	1.3	0.6	0.5	2,117	2,178	2,162	2,035	4.0
Electrical equipment.....	4,921	4,962	5,016	-0.8	-1.1	-0.6	4,680	4,998	5,047	4,818	-2.9
Batteries.....	1,366	1,392	1,399	-1.9	-0.5	2.2	1,404	1,476	1,453	1,369	2.6
Transportation equipment.....	131,451	132,394	131,662	-0.7	0.6	-0.1	130,917	133,183	132,739	125,426	4.4
Automobiles.....	4,487	4,629	4,549	-3.1	1.8	-8.3	4,561	4,634	4,407	4,787	-4.7
Light trucks and utility vehicles.....	4,218	4,185	4,212	0.8	-0.6	4.6	4,258	4,210	4,287	3,706	14.9
Heavy duty trucks.....	1,942	1,951	1,963	-0.5	-0.6	-0.6	1,902	1,937	1,943	1,586	19.9
Motor vehicle bodies, parts, and trailers.....	24,763	25,050	25,165	-1.1	-0.5	-0.7	24,636	25,190	25,311	23,675	4.1
Nondefense aircraft and parts.....	67,427	67,090	66,984	0.5	0.2	0.4	66,837	67,478	67,723	64,788	3.2
Defense aircraft and parts.....	11,956	12,784	12,427	-6.5	2.9	0.0	11,970	12,819	12,557	12,723	-5.9
Ships and boats.....	2,200	2,246	2,216	-2.0	1.4	2.7	2,194	2,230	2,166	2,279	-3.7
Furniture and related products.....	7,315	7,284	7,262	0.4	0.3	0.7	7,305	7,439	7,489	6,802	7.4
Miscellaneous durable goods.....	22,966	22,852	22,818	0.5	0.1	0.2	23,081	23,124	22,906	22,431	2.9
Nondurable goods industries.....	246,077	246,991	248,732	-0.4	-0.7	-0.4	247,111	248,689	249,573	264,168	-6.5
Food products.....	53,653	53,268	53,058	0.7	0.4	1.3	54,467	53,764	52,600	54,186	0.5
Grain and oilseed milling.....	5,902	5,904	5,919	0.0	-0.3	-0.3	5,666	5,697	5,695	5,942	-4.6
Dairy products.....	8,268	8,054	8,026	2.7	0.3	0.1	8,297	8,238	8,312	8,707	-4.7
Meat, poultry, and seafood products.....	9,294	9,315	9,351	-0.2	-0.4	4.7	9,327	9,470	9,375	9,520	-2.0
Beverage and tobacco products.....	20,116	20,133	20,185	-0.1	-0.3	0.5	20,027	19,537	19,436	19,682	1.8
Beverages.....	15,903	15,879	15,885	0.2	0.0	0.5	15,966	15,489	15,421	15,759	1.3
Tobacco.....	4,213	4,254	4,300	-1.0	-1.1	0.4	4,061	4,048	4,015	3,923	3.5
Textile mills.....	3,304	3,272	3,243	1.0	0.9	0.1	3,290	3,274	3,262	3,251	1.2
Textile products.....	3,005	2,977	2,950	0.9	0.9	0.6	3,014	2,980	2,955	2,985	1.0
Apparel.....	2,641	2,630	2,601	0.4	1.1	3.5	2,766	2,790	2,753	2,405	15.0
Leather and allied products.....	860	865	863	-0.6	0.2	-0.3	883	883	871	895	-1.3
Paper products.....	16,694	16,690	16,681	0.0	0.1	0.1	16,700	16,806	16,754	16,463	1.4
Pulp, paper, and paperboard mills.....	7,383	7,376	7,386	0.1	-0.1	-0.1	7,311	7,368	7,362	6,468	13.0
Paperboard containers.....	4,676	4,684	4,660	-0.2	0.5	0.3	4,693	4,727	4,690	5,313	-11.7
Printing.....	5,769	5,726	5,714	0.8	0.2	-1.4	5,966	6,015	5,896	5,606	6.4
Petroleum and coal products.....	33,309	34,494	36,439	-3.4	-5.3	-5.4	34,094	35,544	37,546	51,086	-33.3
Petroleum refineries.....	28,534	29,822	31,804	-4.3	-6.2	-5.9	29,483	30,812	32,906	46,376	-36.4
Chemical products.....	82,098	82,346	82,395	-0.3	-0.1	0.6	81,480	82,689	82,948	82,882	-1.7
Pesticides, fertilizers, and other agricultural chemicals.....	4,761	4,729	4,747	0.7	-0.4	-1.0	4,429	4,455	4,409	4,478	-1.1
Pharmaceuticals and medicines.....	32,498	32,420	32,158	0.2	0.8	1.5	32,229	32,482	32,466	30,888	4.3
Paints, coatings, and adhesives.....	3,755	3,696	3,680	1.6	0.4	1.9	3,632	3,619	3,724	3,583	1.4
Plastics and rubber products.....	24,628	24,590	24,603	0.2	-0.1	-0.3	24,424	24,497	24,552	24,727	-1.2

<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> Estimates of inventories for the semiconductor industry data are included in computers and electronic products, and all other applicable aggregate totals. 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						
	Monthly			Percent Change			Monthly				Year to date		% Change <sup>6</sup>
	Sep. 2015 <sup>P</sup>	Aug. 2015 <sup>F</sup>	July 2015	Aug. - Sep.	July - Aug.	June - July	Sep. 2015 <sup>P</sup>	Aug. 2015 <sup>F</sup>	July 2015	Sep. 2014	2015 <sup>P</sup>	2014	
<b>SHIPMENTS</b>													
All manufacturing industries.....	477,314	479,066	483,362	-0.4	-0.9	-0.2	497,433	489,290	472,386	523,682	4,335,166	4,522,162	-4.1
Construction materials and supplies.....	46,286	46,197	46,461	0.2	-0.6	1.3	48,916	49,528	49,197	50,310	421,986	422,252	-0.1
Information technology.....	24,289	24,165	24,155	0.5	0.0	1.2	27,550	23,564	21,862	26,607	213,198	206,924	3.0
Computers and related products.....	1,968	2,015	2,141	-2.3	-5.9	-1.2	2,457	1,742	1,661	2,750	18,433	20,103	-8.3
Motor vehicle and parts.....	53,445	52,756	53,671	1.3	-1.7	4.6	55,745	54,263	46,471	49,133	462,275	419,707	10.1
Capital goods.....	90,108	90,256	89,708	-0.2	0.6	0.1	97,675	88,636	83,585	97,757	795,648	777,652	2.3
Nondefense capital goods <sup>3</sup> .....	79,802	80,257	79,241	-0.6	1.3	0.0	86,250	78,745	74,240	87,308	708,703	693,718	2.2
Excluding aircraft.....	69,646	69,301	69,844	0.5	-0.8	0.4	74,365	68,147	66,119	76,727	622,073	620,584	0.2
Defense capital goods <sup>4</sup> .....	10,306	9,999	10,467	3.1	-4.5	0.7	11,425	9,891	9,345	10,449	86,945	83,934	3.6
Consumer goods.....	188,937	189,986	193,359	-0.6	-1.7	-0.9	195,016	195,193	189,377	213,743	1,724,972	1,904,900	-9.4
Consumer durable goods.....	37,142	36,470	37,266	1.8	-2.1	3.8	39,216	36,887	32,011	35,473	320,661	301,517	6.3
Consumer nondurable goods.....	151,795	153,516	156,093	-1.1	-1.7	-2.0	155,800	158,306	157,366	178,270	1,404,311	1,603,383	-12.4
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	466,303	471,041	481,206	-1.0	-2.1	0.2	486,939	472,263	469,006	524,051	4,257,191	4,588,561	-7.2
Construction materials and supplies.....	46,275	46,031	46,457	0.5	-0.9	0.2	48,745	48,699	49,219	50,289	423,132	428,636	-1.3
Information technology.....	24,549	24,688	24,551	-0.6	0.6	1.4	28,545	23,149	21,669	28,523	218,727	216,232	1.2
Computers and related products.....	1,956	2,005	2,102	-2.4	-4.6	-5.8	2,445	1,732	1,622	2,833	18,529	20,503	-9.6
Motor vehicle and parts.....	53,492	52,686	53,760	1.5	-2.0	4.9	55,646	54,246	46,042	49,379	461,159	421,018	9.5
Capital goods.....	82,083	86,794	93,280	-5.4	-7.0	3.0	89,162	80,173	86,776	100,867	766,889	873,095	-12.2
Nondefense capital goods <sup>3</sup> .....	72,417	78,181	81,970	-7.4	-4.6	0.6	78,209	73,656	77,023	91,113	687,219	786,000	-12.6
Excluding aircraft.....	68,826	68,863	69,875	-0.1	-1.4	1.9	72,927	66,430	65,193	78,833	619,937	646,452	-4.1
Defense capital goods <sup>4</sup> .....	9,666	8,613	11,310	12.2	-23.8	24.4	10,953	6,517	9,753	9,754	79,670	87,095	-8.5
Consumer goods.....	188,931	190,009	193,156	-0.6	-1.6	-1.0	195,055	195,028	189,161	214,031	1,724,733	1,905,190	-9.5
Consumer durable goods.....	37,136	36,493	37,063	1.8	-1.5	3.4	39,255	36,722	31,795	35,761	320,422	301,807	6.2
Consumer nondurable goods.....	151,795	153,516	156,093	-1.1	-1.7	-2.0	155,800	158,306	157,366	178,270	1,404,311	1,603,383	-12.4
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	1,187,945	1,194,184	1,197,457	-0.5	-0.3	0.2	1,179,886	1,185,918	1,197,712	1,205,891	(X)	(X)	-2.2
Construction materials and supplies.....	54,805	54,816	54,982	0.0	-0.3	0.0	54,788	54,959	55,788	53,934	(X)	(X)	1.6
Information technology.....	135,936	135,676	135,153	0.2	0.4	0.3	135,746	134,751	135,166	127,995	(X)	(X)	6.1
Computers and related products.....	2,568	2,580	2,590	-0.5	-0.4	-1.5	2,568	2,580	2,589	2,389	(X)	(X)	7.5
Motor vehicle and parts.....	21,683	21,636	21,706	0.2	-0.3	0.4	20,914	21,013	21,030	20,231	(X)	(X)	3.4
Capital goods.....	900,692	908,717	912,179	-0.9	-0.4	0.4	895,475	903,988	912,451	918,701	(X)	(X)	-2.5
Nondefense capital goods <sup>3</sup> .....	752,464	759,849	761,925	-1.0	-0.3	0.4	747,510	755,551	760,640	759,049	(X)	(X)	-1.5
Excluding aircraft.....	245,319	246,139	246,577	-0.3	-0.2	0.0	244,230	245,668	247,385	247,393	(X)	(X)	-1.3
Defense capital goods <sup>4</sup> .....	148,228	148,868	150,254	-0.4	-0.9	0.6	147,965	148,437	151,811	159,652	(X)	(X)	-7.3
Consumer goods.....	5,253	5,259	5,236	-0.1	0.4	-3.7	5,024	4,985	5,150	4,877	(X)	(X)	3.0
Consumer durable goods.....	5,253	5,259	5,236	-0.1	0.4	-3.7	5,024	4,985	5,150	4,877	(X)	(X)	3.0
<b>TOTAL INVENTORIES</b>													
All manufacturing industries.....	645,129	647,522	650,029	-0.4	-0.4	-0.3	644,138	652,408	653,831	655,582	(X)	(X)	-1.7
Construction materials and supplies.....	65,683	65,393	65,490	0.4	-0.1	-0.6	64,835	65,212	65,754	63,370	(X)	(X)	2.3
Information technology.....	38,502	38,856	39,180	-0.9	-0.8	-0.3	38,155	39,792	39,682	38,622	(X)	(X)	-1.2
Computers and related products.....	3,434	3,596	3,838	-4.5	-6.3	-5.2	3,416	3,807	3,964	3,954	(X)	(X)	-13.6
Motor vehicle and parts.....	35,410	35,815	35,889	-1.1	-0.2	-1.1	35,357	35,971	35,948	33,754	(X)	(X)	4.7
Capital goods.....	198,527	199,573	199,801	-0.5	-0.1	0.0	197,449	202,032	201,904	195,039	(X)	(X)	1.2
Nondefense capital goods <sup>3</sup> .....	175,726	175,963	176,849	-0.1	-0.5	-0.1	174,731	178,389	178,848	174,770	(X)	(X)	0.0
Excluding aircraft.....	119,825	120,158	120,945	-0.3	-0.7	-0.4	119,365	122,173	122,171	120,874	(X)	(X)	-1.2
Defense capital goods <sup>4</sup> .....	22,801	23,610	22,952	-3.4	2.9	1.0	22,718	23,643	23,056	20,269	(X)	(X)	12.1
Consumer goods.....	185,127	185,818	187,158	-0.4	-0.7	-0.4	186,855	187,405	187,601	199,210	(X)	(X)	-6.2
Consumer durable goods.....	29,573	29,561	29,394	0.0	0.6	-0.4	29,737	29,899	29,422	28,303	(X)	(X)	5.1
Consumer nondurable goods.....	155,554	156,257	157,764	-0.4	-1.0	-0.4	157,118	157,506	158,179	170,907	(X)	(X)	-8.1

X Not Applicable    P Preliminary    F 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				% Change September 2015/ 2014
	Monthly			Percent Change			Monthly				
	Sep. 2015 <sup>p</sup>	Aug. 2015 <sup>f</sup>	July 2015	Aug. - Sep.	July - Aug.	June - July	Sep. 2015 <sup>p</sup>	Aug. 2015 <sup>f</sup>	July 2015	Sep. 2014	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	212,613	213,544	214,325	-0.4	-0.4	-0.8	212,304	214,257	215,333	217,805	-2.5
Durable goods industries.....	132,384	133,221	133,331	-0.6	-0.1	-0.8	132,478	134,124	134,020	132,754	-0.2
Wood products.....	4,496	4,469	4,518	0.6	-1.1	-0.1	4,570	4,459	4,443	4,339	5.3
Nonmetallic mineral products.....	4,997	5,007	5,065	-0.2	-1.1	-0.6	4,993	5,010	5,097	4,884	2.2
Primary metals.....	13,865	13,869	14,100	0.0	-1.6	-1.0	13,958	13,791	14,077	14,945	-6.6
Fabricated metal products.....	17,440	17,551	17,640	-0.6	-0.5	-1.1	17,505	17,582	17,807	17,773	-1.5
Machinery.....	25,975	26,014	26,248	-0.1	-0.9	-0.9	25,956	26,369	26,768	25,881	0.3
Computers and electronic products.....	18,604	18,905	18,991	-1.6	-0.5	-0.5	18,514	19,081	19,074	18,252	1.4
Electrical equipment, appliances, and components.....	6,521	6,558	6,589	-0.6	-0.5	1.2	6,398	6,638	6,656	6,456	-0.9
Transportation equipment.....	28,951	29,341	28,660	-1.3	2.4	-2.0	29,051	29,570	28,434	29,055	0.0
Furniture and related products.....	3,793	3,800	3,801	-0.2	0.0	1.4	3,787	3,828	3,872	3,524	7.5
Miscellaneous products.....	7,742	7,707	7,719	0.5	-0.2	0.2	7,746	7,796	7,792	7,645	1.3
Nondurable goods industries.....	80,229	80,323	80,994	-0.1	-0.8	-0.6	79,826	80,133	81,313	85,051	-6.1
Food products.....	18,213	17,973	17,889	1.3	0.5	-0.2	17,996	17,666	17,780	17,927	0.4
Beverage and tobacco products.....	5,139	5,105	5,145	0.7	-0.8	0.2	4,997	4,894	4,916	4,910	1.8
Textiles.....	1,205	1,198	1,181	0.6	1.4	0.9	1,200	1,204	1,188	1,149	4.4
Textile products.....	1,135	1,127	1,112	0.7	1.3	0.5	1,136	1,126	1,114	1,179	-3.6
Apparel.....	881	885	873	-0.5	1.4	2.6	900	907	894	716	25.7
Leather and allied products.....	257	253	253	1.6	0.0	0.8	264	259	256	260	1.5
Paper products.....	8,558	8,565	8,589	-0.1	-0.3	0.3	8,579	8,596	8,644	8,368	2.5
Printing.....	2,748	2,755	2,766	-0.3	-0.4	-1.2	2,805	2,836	2,835	2,745	2.2
Petroleum and coal products.....	7,659	7,682	8,191	-0.3	-6.2	-4.4	7,648	7,729	8,371	11,736	-34.8
Chemical products.....	24,625	24,960	25,124	-1.3	-0.7	-0.3	24,498	25,111	25,346	25,846	-5.2
Plastics and rubber products.....	9,809	9,820	9,871	-0.1	-0.5	-0.6	9,803	9,805	9,951	10,215	-4.0
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	204,164	205,897	206,583	-0.8	-0.3	0.0	201,995	206,660	207,759	204,330	-1.1
Durable goods industries.....	157,227	158,019	158,145	-0.5	-0.1	0.0	155,870	159,551	160,087	150,737	3.4
Wood products.....	2,327	2,337	2,355	-0.4	-0.8	-0.9	2,314	2,309	2,361	2,129	8.7
Nonmetallic mineral products.....	1,480	1,504	1,493	-1.6	0.7	-0.3	1,454	1,501	1,513	1,353	7.5
Primary metals.....	11,040	11,238	11,403	-1.8	-1.4	-0.6	10,931	11,416	11,539	11,464	-4.6
Fabricated metal products.....	13,061	12,991	12,987	0.5	0.0	-0.7	13,050	13,155	13,133	13,168	-0.9
Machinery.....	19,609	19,754	19,613	-0.7	0.7	0.6	19,620	20,163	19,628	19,808	-0.9
Computers and electronic products.....	15,283	15,429	15,745	-0.9	-2.0	0.1	14,973	15,772	16,140	14,168	5.7
Electrical equipment, appliances, and components.....	3,846	3,873	3,887	-0.7	-0.4	-2.0	3,783	3,923	3,924	3,935	-3.9
Transportation equipment.....	85,550	85,906	85,727	-0.4	0.2	0.2	84,665	86,237	86,849	80,161	5.6
Furniture and related products.....	1,050	1,032	1,036	1.7	-0.4	-1.1	1,048	1,040	1,056	996	5.2
Miscellaneous products.....	3,981	3,955	3,899	0.7	1.4	0.2	4,032	4,035	3,944	3,555	13.4
Nondurable goods industries.....	46,937	47,878	48,438	-2.0	-1.2	-0.3	46,125	47,109	47,672	53,593	-13.9
Food products.....	5,786	5,856	5,907	-1.2	-0.9	4.3	5,251	5,361	5,334	4,922	6.7
Beverage and tobacco products.....	7,317	7,398	7,372	-1.1	0.4	0.8	7,209	6,756	6,592	7,165	0.6
Textiles.....	769	762	760	0.9	0.3	-0.9	774	771	768	817	-5.3
Textile products.....	459	459	453	0.0	1.3	2.5	466	461	455	457	2.0
Apparel.....	321	324	328	-0.9	-1.2	0.0	333	343	359	355	-6.2
Leather and allied products.....	107	109	99	-1.8	10.1	0.0	107	108	98	91	17.6
Paper products.....	1,351	1,355	1,338	-0.3	1.3	-0.6	1,353	1,372	1,348	1,288	5.0
Printing.....	1,406	1,372	1,359	2.5	1.0	-1.9	1,471	1,518	1,422	1,271	15.7
Petroleum and coal products.....	8,861	9,418	9,915	-5.9	-5.0	-10.4	9,008	9,746	10,211	16,385	-45.0
Chemical products.....	17,851	18,123	18,192	-1.5	-0.4	4.3	17,473	17,977	18,356	18,256	-4.3
Plastics and rubber products.....	2,709	2,702	2,715	0.3	-0.5	-0.2	2,680	2,696	2,729	2,586	3.6
<b>FINISHED GOODS</b>											
All manufacturing industries.....	228,352	228,081	229,121	0.1	-0.5	0.0	229,839	231,491	230,739	233,447	-1.5
Durable goods industries.....	109,441	109,291	109,821	0.1	-0.5	0.2	108,679	110,044	110,151	107,923	0.7
Wood products.....	4,407	4,391	4,388	0.4	0.1	0.5	4,201	4,289	4,293	4,053	3.7
Nonmetallic mineral products.....	6,533	6,490	6,462	0.7	0.4	-0.7	6,337	6,416	6,427	6,398	-1.0
Primary metals.....	11,198	11,310	11,488	-1.0	-1.5	-0.9	11,079	11,287	11,357	12,315	-10.0
Fabricated metal products.....	18,573	18,385	18,323	1.0	0.3	0.6	18,128	18,266	18,425	17,058	6.3
Machinery.....	20,754	20,573	20,814	0.9	-1.2	-0.5	20,592	20,657	20,868	20,927	-1.6
Computers and electronic products.....	11,203	11,205	11,283	0.0	-0.7	0.3	11,333	11,608	11,272	11,644	-2.7
Electrical equipment, appliances, and components.....	6,108	6,148	6,163	-0.7	-0.2	0.7	6,035	6,281	6,322	5,805	4.0
Transportation equipment.....	16,950	17,147	17,275	-1.1	-0.7	1.3	17,201	17,376	17,456	16,210	6.1
Furniture and related products.....	2,472	2,452	2,425	0.8	1.1	0.6	2,470	2,571	2,561	2,282	8.2
Miscellaneous products.....	11,243	11,190	11,200	0.5	-0.1	0.2	11,303	11,293	11,170	11,231	0.6
Nondurable goods industries.....	118,911	118,790	119,300	0.1	-0.4	-0.2	121,160	121,447	120,588	125,524	-3.5
Food products.....	29,654	29,439	29,262	0.7	0.6	1.6	31,220	30,737	29,486	31,337	-0.4
Beverage and tobacco products.....	7,660	7,630	7,668	0.4	-0.5	0.2	7,821	7,887	7,928	7,607	2.8
Textiles.....	1,330	1,312	1,302	1.4	0.8	0.1	1,316	1,299	1,306	1,285	2.4
Textile products.....	1,411	1,391	1,385	1.4	0.4	0.1	1,412	1,393	1,386	1,349	4.7
Apparel.....	1,439	1,421	1,400	1.3	1.5	4.9	1,533	1,540	1,500	1,334	14.9
Leather and allied products.....	496	503	511	-1.4	-1.6	-1.0	512	516	517	544	-5.9
Paper products.....	6,785	6,770	6,754	0.2	0.2	-0.1	6,768	6,838	6,762	6,807	-0.6
Printing.....	1,615	1,599	1,589	1.0	0.6	-1.5	1,690	1,661	1,639	1,590	6.3
Petroleum and coal products.....	16,789	17,394	18,333	-3.5	-5.1	-3.0	17,438	17,979	18,964	22,965	-24.1
Chemical products.....	39,622	39,079	39,079	0.9	0.5	-0.4	39,509	39,601	39,228	38,780	1.9
Plastics and rubber products.....	12,110	12,068	12,017	0.3	0.4	0.0	11,941	11,996	11,872	11,926	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.

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>1</sup>**

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>2</sup>			
	Sep 2015 <sup>p</sup>	Aug 2015 <sup>r</sup>	Jul 2015	Jun 2015	Sep 2015 <sup>p</sup>	Aug 2015 <sup>r</sup>	Jul 2015	Jun 2015
All manufacturing industries <sup>3</sup> .....	1.35	1.35	1.34	1.35	(X)	(X)	(X)	(X)
Durable goods industries <sup>3</sup> .....	1.65	1.66	1.65	1.67	6.88	6.89	6.89	6.92
Wood products.....	1.39	1.40	1.39	1.42	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.33	1.34	1.33	1.36	(X)	(X)	(X)	(X)
Primary metals.....	1.79	1.79	1.79	1.77	1.74	1.74	1.72	1.69
Fabricated metal products.....	1.67	1.65	1.64	1.64	2.88	2.84	2.84	2.84
Machinery.....	1.99	1.99	1.98	1.97	3.57	3.60	3.59	3.58
Computers and electronic products <sup>3</sup> .....	1.52	1.54	1.58	1.57	5.86	5.88	5.88	5.94
Electrical equipment, appliances, and components.....	1.61	1.63	1.60	1.63	2.38	2.41	2.36	2.43
Transportation equipment.....	1.63	1.64	1.63	1.68	14.68	14.68	14.86	15.12
Furniture and related products.....	1.14	1.13	1.12	1.13	1.40	1.41	1.37	1.41
Miscellaneous products.....	1.61	1.60	1.60	1.62	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.05	1.04	1.04	1.03	(X)	(X)	(X)	(X)
Food products.....	0.81	0.81	0.80	0.80	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.56	1.59	1.62	1.61	(X)	(X)	(X)	(X)
Textiles.....	1.29	1.28	1.27	1.26	(X)	(X)	(X)	(X)
Textile products.....	1.54	1.53	1.52	1.54	(X)	(X)	(X)	(X)
Apparel.....	2.27	2.25	2.25	2.23	(X)	(X)	(X)	(X)
Leather and allied products.....	1.91	1.94	1.86	1.88	(X)	(X)	(X)	(X)
Paper products.....	1.04	1.04	1.04	1.04	(X)	(X)	(X)	(X)
Printing.....	0.80	0.79	0.78	0.80	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.77	0.76	0.75	0.73	(X)	(X)	(X)	(X)
Chemical products.....	1.27	1.28	1.28	1.28	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.29	1.29	1.28	1.28	(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>2</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>3</sup> Unfilled orders to shipments ratio excludes semiconductor manufacturing.

**Table 8. Revisions to Previously Published Monthly Percent Changes <sup>1</sup>**

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

	Shipments	New Orders	Unfilled Orders	Inventories

## Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for 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). Data published from the M3 survey are based on a panel of approximately 4,800 reporting units that represent approximately 3,000 companies and provide an indication of month-to-month change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-month movements of all establishments that make up the category.

The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 61 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census, and these companies include almost two-thirds of the manufacturing companies with \$500 million or more in shipments in the 2012 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 54 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on 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>.